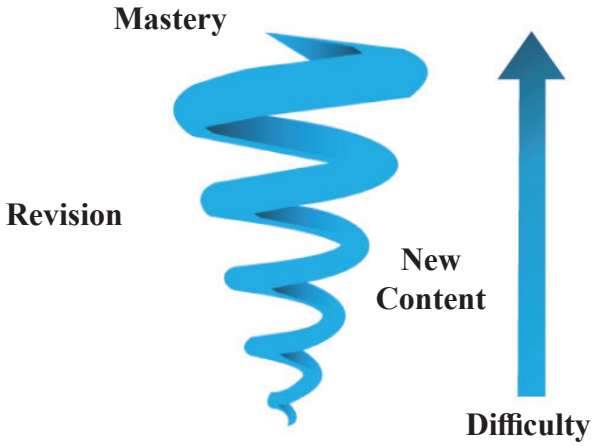
Skoolbo Skills Map and Learning Metrics

Skoolbo

The Skoolbo learning program covers literacy and numeracy skills from kindergarten through 6th grade. As a consequence of the Skoolbo Spiral Learning Algorithm students receive a highly individualized, adaptive curriculum. The algorithm ensures every student is always receiving the optimal level of difficulty with the appropriate balance of new and revision content.



Students in the US have answered over **304 million** questions on Skoolbo. On average students are achieving 87.5% accuracy which is testament to the adaptive algorithms within the program. Children have achieved "Personal Learning Bests" on more than **3.6 million** occasions. In the US we are seeing 28.4% improvement in literacy and numeracy skills.

Skoolbo facilitates extremely efficient learning of foundational literacy and numeracy skills. On average children are answering 16.9 questions per learning minute.

Skoolbo saves school budgets. More than 20,000 schools in the US enjoyed the fact that Skoolbo is free of charge.

Mastering a Literacy or Numeracy Skill on Skoolbo

Skoolbo contains more than 250 literacy and numeracy skills. Skoolbo is designed to meet every child's individual needs by presenting optimal curriculum which both challenges and enables success.
Skoolbo strives to bring about improvement to every child. Since mid-2014 US students have solved in excess of 304 million literacy and numeracy problems. An improvement indicator we consider is the amount of time needed for children to demonstrate mastery of a particular learning concept (e.g. Numeracy - Adding to 10).

At Pre Test

36.4% already know the skill*

After 5 Learning Minutes

56.5% of students have mastered the skill*

After 20 Learning Minutes

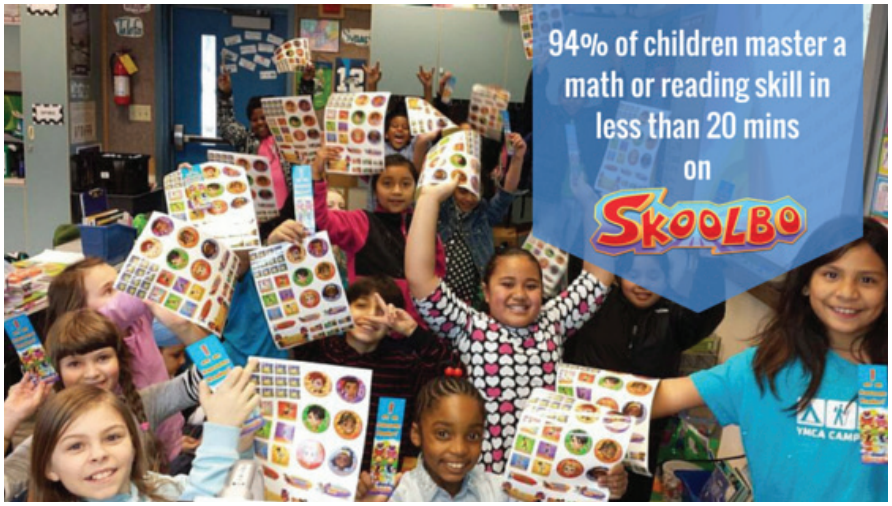
94.3% of students have mastered the skill*

*Analysis considered 6,315,619 learning activities from students across 18,612 schools

The data indicates that 36.4% of students already have mastery of a learning concept when first presented with the skill. The Skoolbo Learning Algorithm quickly moves these students on to more challenging tasks. Pre-testing and moving children on is important to help ensure learning boredom does not set in.

Skoolbo facilitates ultra-rapid progress with 56.5% of students mastering a skill within 5 learning minutes, while 94.3% of the cohort achieved mastery within 20 learning minutes. In other words, almost all students successfully master a literacy or numeracy skill within 20 learning minutes on Skoolbo.

Skoolbo enables highly efficient skill development personalized to each child. Teachers and parents are equipped with dashboards to monitor each child's progress.



Skoolbo Course Outline

The course outline that follows contains Learning Metrics which comes from an analysis of students who have completed more than twenty learning minutes on the particular literacy or numeracy skill. The Learning Metrics involved analyzing data from almost 10 million learning activities by students.

Literacy

Letter Introduction (s, a, t, p)

Students listen and match letter names to the written form. Each letter is shown at the beginning and end of words, reinforcing how letters are combined to form words.

Example: The letter “s”; “sat”starts with the letter “s”

Learning Metrics: Letter Introduction (s, a, t, p)					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
45,262	86.95%	14.92	11.75	20.57	75.01%

Listening 1

Students apply their listening skills to match descriptive sentences to corresponding images.

Example: Oscar zooms down the slide.

Learning Metrics: Listening 1					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
53,300	87.33%	13.16	11.80	15.09	27.90%

Sound Introduction (s, a, t, p)

With an emphasis on building phonemic awareness, students hear a sound and match it to a word which incorporates the sound.

Example: The sound “t”; “top” starts with the sound “t”

Learning Metrics: Sound Introduction (s, a, t, p)					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
26,048	89.39%	17.06	14.47	24.54	69.54%

Letter Introduction (n, i , m, d)

Students listen and match letter names to the written form. Each letter is shown at the beginning and end of words, reinforcing how letters are combined to form words.

Example: The letter “n”; “net” starts with the letter “n”

Learning Metrics: Letter Introduction (n, i , m, d)					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
23,592	89.48%	17.00	16.43	23.36	42.22%

Blending 1

Students listen to single sounds blended together to form monosyllabic words, matching what they hear to the written word. This activity further builds the concept of letters combining to form words.

Example: a - t ... at; t - e - n ... ten

Learning Metrics: Blending 1					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
30,181	89.42%	16.68	15.46	23.17	49.83%

Sound Introduction (d, i, m, n)

With an emphasis on building phonemic awareness, students hear a sound and match it to a word which incorporates the sound.

Example: The sound “d”; “dog” starts with the sound “d”

Learning Metrics: Sound Introduction (d, i, m, n)					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
22,401	86.27%	14.19	13.80	20.32	47.22%

Word Introduction 1

Simple three letter monosyllabic words are introduced using letters and sounds already covered.

Example: Dad; dam; did

Learning Metrics: Word Introduction 1					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
27,104	91.38%	21.46	23.00	29.94	30.19%

Letter Introduction (g, o, c, k)

Students listen and match letter names to the written form. Each letter is shown at the beginning and end of words, reinforcing how letters are combined to form words.

Example: The letter “c”; “cat” starts with the letter “c”

Learning Metrics: Letter Introduction (g, o, c, k)					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
22,895	91.80%	18.34	19.00	24.59	29.37%

Vocabulary 1

Vocabulary activities expose students to a range of words, moving from common to less familiar terms. Students listen and view words before matching them to corresponding images.

Example: angel; angry; apple

Learning Metrics: Vocabulary 1					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
26,346	90.15%	13.87	13.92	14.65	5.24%

Sound Introduction (g, k)

With an emphasis on building phonemic awareness, students hear a sound and match it to a word which incorporates the sound.

Example: The sound “g”; “g” as in “g” “a” “s”…gas

Learning Metrics: Sound Introduction (g, k)					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
19,262	89.91%	16.80	17.52	25.02	42.82%

Letter Introduction (e, u, r)

Students listen and match letter names to the written form. Each letter is shown at the beginning and end of words, reinforcing how letters are combined to form words.

Example: The letter “r”; robot starts with the letter “r”

Learning Metrics: Letter Introduction (e, u, r)					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
20, 245	91.70%	18.49	17.75	24.17	36.18%

Blending 2

Students listen to single sounds blended together to form monosyllabic words, matching what they hear to the written word. This activity further builds the concept of letters combining to form words.

Example: “c” as in “c” “a” “n”…can

Learning Metrics: Blending 2					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
21, 790	87.69%	15.28	14.90	21.83	46.51%

Sound Introduction (e, r, u)

With an emphasis on building phonemic awareness, students hear a sound and match it to a word which incorporates the sound.

Example: The sound “e”; “e” as in “g” “e” “g”…peg

Learning Metrics: Sound Introduction (e, r, u)					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
21, 017	88.52%	15.28	15.63	22.99	47.16%

Word Introduction 2

Simple three letter monosyllabic words are introduced using letters and sounds already covered.

Example: can; cap; cat

Learning Metrics: Word Introduction 2					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
24, 901	90.41%	19.38	20.26	26.63	31.41%

Letter Introduction (h, b, f, l)

Students listen and match letter names to the written form. Each letter is shown at the beginning and end of words, reinforcing how letters are combined to form words.

Example: The letter “h”; Hat starts with the letter “h”

Learning Metrics: Letter Introduction (h, b, f, l)					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
20,747	91.76%	18.13	18.73	24.90	32.92%

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Blending 3

Students listen to single sounds blended together to form monosyllabic words, matching what they hear to the written word. This activity further builds the concept of letters combining to form words.

Example: "ss" as in "m" "e" "ss"…mess

Learning Metrics: Blending 3					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
22, 266	87.37%	14.97	16.43	23.22	41.39%

Sound Introduction (h, b, f, l)

With an emphasis on building phonemic awareness, students hear a sound and match it to a word which incorporates the sound.

Example: The sound "b"; "b" as in "b" "e" "t"…bet

Learning Metrics: Sound Introduction (h, b, f, l)					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
21,282	88.27%	15.04	15.85	22.63	42.81%

Word Introduction 3

Simple three letter monosyllabic words are introduced using letters and sounds already covered.

Example: all; and

Learning Metrics: Word Introduction 3					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
19,404	91.24%	20.16	20.68	27.57	33.29%

Letter Introduction (j, v, w, x)

Students listen and match letter names to the written form. Each letter is shown at the beginning and end of words, reinforcing how letters are combined to form words.

Example: The letter "w"; "wet" starts with the letter "w"

Learning Metrics: Letter Introduction (j, v, w, x)					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
17,911	91.74%	18.92	19.54	25.04	28.17%

Sound Introduction (j, v, w, x)

With an emphasis on building phonemic awareness, students hear a sound and match it to a word which incorporates the sound.

Example: The sound "j"; "j" as in "j" "e" "t"…jet

Learning Metrics: Sound Introduction (j, v, w, x)					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
18,672	92.00%	18.04	18.31	24.72	35.03%

Letter Introduction (y, z, q)

Students listen and match letter names to the written form. Each letter is shown at the beginning and end of words, reinforcing how letters are combined to form words.

Example: The letter "y"; The letter "z"; The letter "q"; yell starts with the letter "y"

Learning Metrics: Letter Introduction (y, z, q)					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
20,796	90.86%	18.51	18.14	24.44	34.72%

Word Introduction 4

Simple three letter monosyllabic words are introduced using letters and sounds already covered.

Example: bay; box; boy

Learning Metrics: Word Introduction 4					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
22,189	92.64%	21.32	22.58	27.71	22.73%

Sound Introduction (y, z, qu)

With an emphasis on building phonemic awareness, students hear a sound and match it to a word which incorporates the sound.

Example: The sound “z”; “z” as in “z” “i” “p”…zip

Learning Metrics: Sound Introduction (y, z, qu)					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
21,039	89.87%	16.63	16.50	23.83	44.41%

Blending 4

Students listen to single sounds blended together to form monosyllabic words, matching what they hear to the written word. This activity further builds the concept of letters combining to form words.

Example: J - e - n ... Jen; v - a - n ... van

Learning Metrics: Blending 4					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
22,094	87.96%	15.90	15.87	21.41	34.90%

High Frequency Words 1

High frequency words are emphasized through these listening and viewing match-up activities.

Example: all; and

Learning Metrics: High Frequency Words 1					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
20,966	93.61%	22.62	24.97	29.86	19.56%

Sound Introduction (ch, sh, th)

With an emphasis on building phonemic awareness, students hear a sound and match it to a word which incorporates the sound.

Example: The sound “th”; “th” as in “th” “e” “n”…then

Learning Metrics: Sound Introduction (ch, sh, th)					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
18,454	88.24%	15.90	13.70	20.54	49.86%

Isolating and pronouncing sounds

High frequency words are partitioned by their initial, medial and latter sounds. Students listen and match what they hear to the written form.

Example: z - oo ... zoo; sh - i - p ... ship

Learning Metrics: Isolating and pronouncing sounds					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
18,089	89.24%	16.64	16.11	22.93	42.37%

Sound Introduction (ng, ai)

With an emphasis on building phonemic awareness, students hear a sound and match it to a word which incorporates the sound.

Example: The sound “ng”; “ng” as in “r” “a” “ng”…rang

Learning Metrics: Sound Introduction (ng, ai)					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
19,226	86.86%	14.45	12.60	19.63	55.75%

Sound Introduction (ee, igh, oa)

With an emphasis on building phonemic awareness, students hear a sound and match it to a word which incorporates the sound.

Example: The sound “ee”; “ee” as in “f” “ee” “t”…feet

Learning Metrics: Sound Introduction (ee, igh, oa)					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
20,515	90.32%	16.58	17.00	23.54	38.48%

Sound Introduction (oo, ar, or)

With an emphasis on building phonemic awareness, students hear a sound and match it to a word which incorporates the sound.

Example: The sound “oo”; “oo” as in “l” “oo””k”…look

Learning Metrics: Sound Introduction (oo, ar, or)					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
19,800	90.14%	16.05	15.19	20.63	35.82%

Word Families 1

With a focus on the ending of words, students listen then select the matching word.

Example: “ad” as in mad; “ad” as in sad

Learning Metrics: Word Families 1					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
21,054	91.31%	17.33	16.46	20.60	25.15%

Listening 2

Students apply their listening skills to match descriptive sentences to corresponding images.

Example: The boys are playing ping-pong.

Learning Metrics: Listening 2					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
27,628	90.98%	14.14	14.05	14.62	4.03%

Sound Introduction (ur, ow, oi)

With an emphasis on building phonemic awareness, students hear a sound and match it to a word which incorporates the sound.

Example: The sound “ur”; “ur” as in “b” “ur””p”…burp

Learning Metrics: Sound Introduction (ur, ow, oi)					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
19,442	88.04%	15.64	12.84	19.87	54.75%

Sound Introduction (ear, air, ure)

With an emphasis on building phonemic awareness, students hear a sound and match it to a word which incorporates the sound.

Example: The sound “ear”; “ear” as in “n” “ear”…near

Learning Metrics: Sound Introduction (ear, air, ure)					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
20,806	92.62%	17.87	16.93	24.49	44.63%

Vocabulary 2

Vocabulary activities expose students to a range of words, moving from common to less familiar terms. Students listen and view words before matching them to corresponding images.

Example: airport; alien; animal

Learning Metrics: Vocabulary 2					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
24,960	91.76%	14.45	14.26	14.86	4.18%

Word Families 2

With a focus on the ending of words, students listen then select the matching word.

Example: “ay” as in bay; “ay” as in may

Learning Metrics: Word Families 2					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
25,351	91.61%	17.93	16.84	21.45	27.36%

Vocabulary 3

Vocabulary activities expose students to a range of words, moving from common to less familiar terms. Students listen and view words before matching them to corresponding images.

Example: adult; aircraft; airport

Learning Metrics: Vocabulary 3					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
28,161	91.51%	14.39	14.19	14.84	4.53%

Blending Onsets and Rimes 1

This game emphasizes the way initial and latter sounds are combined to make words.

Example: “b” and “ack” make back; “h” and “ack” make hack

Learning Metrics: Blending Onsets and Rimes 1					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
26,149	89.00%	16.53	16.98	22.98	35.36%

Alphabet - Missing Letter

Identifying alphabetical sequence is targeted through this missing letter activity.

Example: ___, d, e, f

Learning Metrics: Alphabet - Missing Letter					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
26,768	80.07%	11.68	9.94	15.23	53.27%

Blending Onsets and Rimes 2

This game emphasizes the way initial and latter sounds are combined to make words.

Example: "f" and "ace" make face; "r" and "ace" make race

Learning Metrics: Blending Onsets and Rimes 2					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
23,959	88.38%	16.35	16.74	22.46	34.13%

High Frequency Words 2

High frequency words are emphasized through these listening and viewing match-up activities.

Example: about; after; again; all

Learning Metrics: High Frequency Words 2					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
23,731	94.86%	24.12	23.98	29.38	22.53%

High Frequency Words 3

High frequency words are emphasized through these listening and viewing match-up activities.

Example: about; after; again; all

Learning Metrics: High Frequency Words 3					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
23,293	95.03%	24.35	26.32	30.17	14.61%

Fluency 1

Fluency 1 through 9 targets sight word fluency. Students match the spoken word to the written word.

Example: add; age; aid; air

Learning Metrics: Fluency 1					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
27,413	91.07%	21.49	23.98	29.50	23.00%

Fluency 2

Fluency 1 through 9 targets sight word fluency. Students match the spoken word to the written word.

Example: band; bark; bath

Learning Metrics: Fluency 2					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
26,377	89.90%	20.14	20.54	26.94	31.17%

Spelling 1

Students click on a selection of letters to spell the spoken word. Spelling 1 has a focus on medial vowel sounds.

Example: ball; bat; bed

Learning Metrics: Spelling 1					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
39,112	93.95%	11.07	9.85	15.01	52.40%

Vocabulary 4

Vocabulary activities expose students to a range of words, moving from common to less familiar terms. Students listen and view words before matching them to corresponding images.

Example: elephant; emergency; engine

Learning Metrics: Vocabulary 4					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
30,599	92.97%	14.52	14.34	14.93	4.12%

Fluency 3

Fluency 1 through 9 targets sight word fluency. Students match the spoken word to the written word.

Example: hope; horn; hose

Learning Metrics: Fluency 3					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
30,258	88.17%	18.58	17.89	25.01	39.77%

Fluency 4

Fluency 1 through 9 targets sight word fluency. Students match the spoken word to the written word.

Example: abbey; able; about

Learning Metrics: Fluency 4					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
28,456	90.83%	20.28	20.25	25.78	27.31%

Vocabulary 5

Vocabulary activities expose students to a range of words, moving from common to less familiar terms. Students listen and view words before matching them to corresponding images.

Example: temperature; injured; birthday

Learning Metrics: Vocabulary 5					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
30,877	90.74%	15.87	14.66	17.46	19.13%

Spelling 2

Students click on a selection of letters to spell the spoken word. Spelling 2 has a focus on digraphs.

Example: bake; ball; bank

Learning Metrics: Spelling 2					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
37,455	84.42%	7.56	6.27	10.07	60.58%

Definitions 1

In these activities, students read definitions and match them to corresponding words; important exposure to increasingly complex vocabulary.

Example: When something goes wrong by mistake - Accident

Learning Metrics: Definitions 1					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
33,300	88.17%	14.93	13.10	19.27	47.10%

Vocabulary - Similar Words 1

This activity extends vocabulary by challenging students to match words with similar meanings.

Example: Afraid / Fearful

Learning Metrics: Vocabulary - Similar Words 1					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
31,843	83.77%	14.49	12.64	19.99	58.06%

Spelling 3

Students click on a selection of letters to spell the spoken word.

Example: baby; basin; beak

Learning Metrics: Spelling 3					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
36,086	78.98%	6.76	5.51	9.01	63.49%

Definitions 2

In these activities, students read definitions and match them to corresponding words; important exposure to increasingly complex vocabulary.

Example: To put two things together - Join

Learning Metrics: Definitions 2					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
32,139	91.45%	16.90	16.07	21.50	33.76%

Comprehension 1

Students read from a diverse range of sentences and match the context to corresponding images.

Example: Oscar zooms down the slide.

Learning Metrics: Comprehension 1					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
31,891	88.61%	13.86	13.29	14.66	10.26%

Vocabulary - Opposites 1

Students are challenged to pair up opposite meanings.

Example: Above / Below

Learning Metrics: Vocabulary - Opposites 1					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
28,190	89.05%	17.80	17.08	24.25	42.00%

Verb Tenses 1

Using a cloze activity approach, students select the correct tense to complete a sentence.

Example: He _____ up the stairs. (creep / crept)

Learning Metrics: Verb Tenses 1					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
27,063	80.55%	11.79	9.82	15.32	56.04%

Fluency 5

Fluency 1 through 9 targets sight word fluency. Students match the spoken word to the written word.

Example: abandon; abroad; absence

Learning Metrics: Fluency 5					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
27,903	93.15%	23.30	23.62	28.85	22.10%

Fluency 6

Fluency 1 through 9 targets sight word fluency. Students match the spoken word to the written word.

Example: academy; accident; acrobat

Learning Metrics: Fluency 6					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
27,844	92.58%	23.42	25.07	29.93	19.38%

Vocabulary 6

Relying on reading cues only, students match an assortment of words to corresponding images.

Example: album; comforting; asthma

Learning Metrics: Vocabulary 6					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
27,778	92.04%	14.40	14.37	15.05	4.70%

Sentence Construction 1

Students order words to construct a sentence, prompted by a picture cue.

Example: bed, her, is, making, Lottie - Lottie is making her bed

Learning Metrics: Sentence Construction 1					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
27,108	87.11%	6.69	5.94	9.79	64.74%

Definitions 3

In these activities, students read definitions and match them to corresponding words; important exposure to increasingly complex vocabulary.

Example: A baby sheep - Lamb

Learning Metrics: Definitions 3					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
28,293	93.30%	17.77	16.49	21.12	28.10%

Spelling 4

Students click on a selection of letters to spell the spoken word.

Example: airport; ape; basin

Learning Metrics: Spelling 4					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
28,089	80.90%	6.59	5.51	8.86	60.92%

Definitions 4

In these activities, students read definitions and match them to corresponding words; important exposure to increasingly complex vocabulary.

Example: A banner showing information - Sign

Learning Metrics: Definitions 4					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
24,183	90.67%	15.85	14.63	19.81	35.46%

Spelling 5

Students click on a selection of letters to spell the spoken word.

Example: bumped; button; camping

Learning Metrics: Spelling 5					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
26,637	76.44%	5.92	4.56	8.28	81.82%

Verb Tenses 2

Using a cloze activity approach, students select the correct tense to complete a sentence.

Example: After careful consideration I _____ the invitation. (decline / declined)

Learning Metrics: Verb Tenses 2					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
20,484	80.86%	12.07	10.57	16.83	59.24%

Fluency 7

Fluency 1 through 9 targets sight word fluency. Students match the spoken word to the written word.

Example: abandon; abbey; Abigail

Learning Metrics: Fluency 7					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
20,591	93.33%	25.34	27.38	31.65	15.58%

Comprehension 2

Students read from a diverse range of sentences and match the context to corresponding images.

Example: Oscar and Ru were suspicious of the strange smell coming from the factory.

Learning Metrics: Comprehension 2					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
21,568	87.23%	13.82	13.58	15.05	10.80%

Vocabulary - Similar Words 2

This activity extends vocabulary by challenging students to match words with similar meanings.

Example: Abroad / Overseas

Learning Metrics: Vocabulary - Similar Words 2					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
17,880	91.45%	20.65	21.07	26.67	26.60%

Comprehension 3

Students read from a diverse range of sentences and match the context to corresponding images.

Example: Lottie's mother is letting her use some make-up for the party.

Learning Metrics: Comprehension 3					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
17,972	87.99%	14.01	13.98	14.95	6.93%

Sentence Construction 2

Students order words to construct a sentence, prompted by a picture cue.

Example: a, book, good, loves, mystery, Oscar - Oscar loves a good mystery book.

Learning Metrics: Sentence Construction 2					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
16,057	83.32%	4.62	3.74	6.38	70.65%

Alphabetical Order

Students achieve success by selecting the word which precedes the other alphabetically.

Example: astronauts / avenue

Learning Metrics: Alphabetical Order					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
14,282	71.49%	9.55	7.83	12.70	62.26%

Sentence Construction 3

Students order words to construct a sentence, prompted by a picture cue.

Example: are, deciduous, leaves, losing, the, their, trees - The deciduous trees are losing their leaves.

Learning Metrics: Sentence Construction 3					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
12,522	84.55%	4.84	4.25	6.47	52.26%

Fluency 8

Fluency 1 through 9 targets sight word fluency. Students match the spoken word to the written word.

Example: abracadabra; absolutely; afternoonv

Learning Metrics: Fluency 8					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
12,268	94.61%	26.55	27.20	33.10	21.70%

Fluency 9

Fluency 1 through 9 targets sight word fluency. Students match the spoken word to the written word.

Example: dandelions; dangerous; daughter

Learning Metrics: Fluency 9					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
11,438	92.95%	24.99	27.01	31.99	18.43%

Spelling 6

Students click on a selection of letters to spell the spoken word.

Example: puppet; puzzle; quiet

Learning Metrics: Spelling 6					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
13,296	81.48%	6.46	5.46	8.44	54.69%

Definitions 5

In these activities, students read definitions and match them to corresponding words; important exposure to increasingly complex vocabulary.

Example: A beautiful water bird with a long neck - Swan

Learning Metrics: Definitions 5					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
11,833	92.60%	17.73	17.41	22.56	29.59%

Spelling 7

Students click on a selection of letters to spell the spoken word.

Example: daffodils; damaged; deafening

Learning Metrics: Spelling 7					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
13,730	78.65%	5.36	4.58	7.30	59.45%

Vocabulary - Opposites 2

Students are challenged to pair up opposite meanings.

Example: Ancient / Modern

Learning Metrics: Vocabulary - Opposites 2					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
13,106	93.72%	23.71	24.47	30.43	24.38%

Sentence Construction 4

Students order words to construct a sentence, prompted by a picture cue.

Example: ambulance, Countess, hospital, Lucille, The, the, to, took - The ambulance took Countess Lucille to the hospital.

Learning Metrics: Sentence Construction 4					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
12,724	76.09%	3.54	2.89	5.57	92.49%

Spelling 8

Students click on a selection of letters to spell the spoken word.

Example: parachute; peacock; penguin

Learning Metrics: Spelling 8					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
15,304	79.83%	5.30	4.59	7.79	69.90%

Verb Tenses 3

Using a cloze activity approach, students select the correct tense to complete a sentence.

Example: It is difficult to _____ the amount because we do not have accurate information. (quantify / quantifying)

Learning Metrics: Verb Tenses 3					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
12,774	87.38%	15.52	14.58	22.84	56.68%

Spelling 9

Students click on a selection of letters to spell the spoken word.

Example: headache; hedgehog; icicles

Learning Metrics: Spelling 9					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
16,815	80.87%	5.94	5.02	9.11	81.66%

Nouns, Verbs and Adjectives

This activity builds automatic recognition of verbs, adjectives and nouns.

Example: I remember her perfectly. - Remember: verb or noun?

Learning Metrics: Nouns, Verbs and Adjectives					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
12,483	75.12%	11.06	10.21	17.62	72.53%

Grammatically Correct

Students compare and select grammatically correct phrases.

Example: Which is grammatically correct? “agree in principle” or “agree in principal”

Learning Metrics: Grammatically Correct					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
12,506	91.24%	25.49	21.37	35.66	66.90%

Spelling Corrections

Students compare and identify the correct spelling from a pair of words.

Example: technology / tecnology

Learning Metrics: Spelling Corrections					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
20,336	79.95%	13.48	16.36	24.64	50.56%

Numeracy

Counting to 6

Students identify the cardinal number of a set of objects by subitizing.

Example: 1 to 6

Learning Metrics: Counting to 6					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
38,156	90.13%	13.31	12.48	14.58	16.87%

Number Recognition - 0 to 10

Students identify the face value of numbers up to 10 after hearing each number's name.

Example: 1 to 10

Learning Metrics: Number Recognition - 0 to 10					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
30,821	89.38%	17.11	16.10	24.91	54.74%

Counting to 10

Students identify the cardinal number of a set of objects by subitizing.

Example: 1 to 10

Learning Metrics: Counting to 10					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
25,854	82.33%	12.16	10.95	14.41	31.62%

Bigger Number - Single Digit

This activity develops place value knowledge; students select the larger number displayed.

Example: Select the bigger number: 5 or 7

Learning Metrics: Bigger Number - Single Digit					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
23,203	90.80%	19.91	19.15	26.85	40.20%

Number Ordering to 10 (After)

This activity reinforces counting on; students select the number that comes after.

Example: What number comes after eight?

Learning Metrics: Number Ordering to 10 (After)					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
23,041	86.94%	13.99	13.06	19.41	48.63%

Smaller Number - Single Digit

This activity develops place value knowledge; students select the smaller number displayed.

Example: Select the smaller number: 8 or 4

Learning Metrics: Smaller Number - Single Digit					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
20,357	89.34%	17.63	17.21	24.56	42.70%

Number Ordering to 10 (Before)

This activity reinforces counting back; students select the number that comes before.

Example: What number comes before eight?

Learning Metrics: Number Ordering to 10 (Before)					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
21,504	84.78%	13.26	12.20	19.21	57.48%

Number Recognition - 0 to 20

Students listen to and then select a number based on its face value.

Example: 0 to 20

Learning Metrics: Number Recognition - 0 to 20					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
22,399	94.33%	22.21	24.33	29.11	19.61%

Addition to 6

Students complete an equation by selecting the sum.

Example: 1 + 2

Learning Metrics: Addition to 6					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
21,463	89.22%	16.14	15.18	22.24	46.54%

Addition to 6 - Missing

In this activity, the students identify the addend missing from an equation.

Example: What do I add to 1 to get 3?

Learning Metrics: Addition to 6 - Missing					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
22,214	78.65%	10.90	10.02	15.74	57.12%

Addition to 6 - Turned Around

Students are presented with a sum and need to select the matching addends.

Example: Which of the following give 4? 3 + 1 or 1 + 2

Learning Metrics: Addition to 6 - Turned Around					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
23,871	82.57%	12.22	11.74	14.67	24.96%

Number Recognition - 11 to 100

Students listen to and then select a number based on its face value.

Example: 11 to 100

Learning Metrics: Number Recognition - 11 to 100					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
21,911	91.61%	19.62	21.28	25.72	20.86%

Number Ordering to 30 (After)

This activity reinforces the sequence of numbers; students select the number that comes next.

Example: What number comes after eighteen?

Learning Metrics: Number Ordering to 30 (After)					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
25,858	89.80%	15.23	15.09	21.99	45.71%

Addition to 10

Students complete an equation by selecting the sum.

Example: 3 + 4

Learning Metrics: Addition to 10					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
27,915	83.90%	13.15	13.30	19.36	45.54%

Bigger Number - Two Digit

This activity develops place value knowledge of two digit numbers; students select the larger number displayed.

Example: Select the bigger number: 23 or 18

Learning Metrics: Bigger Number - Two Digit					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
26,011	88.46%	16.38	16.26	22.45	38.03%

Number Ordering to 30 (Before)

This activity reinforces the sequence of numbers; students select the number that comes before.

Example: What number comes before twenty-six?

Learning Metrics: Number Ordering to 30 (Before)					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
26,818	87.47%	14.59	14.55	21.68	48.99%

Addition to 10 - Missing

In this activity, students identify the addend missing from an equation.

Example: What do I add to 1 to get 7?

Learning Metrics: Addition to 10 - Missing					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
24,988	76.63%	10.33	9.48	15.00	58.18%

Number Ordering to 100 (After)

This activity reinforces the sequence of numbers; students select the number that comes next.

Example: What number comes after eighty-eight?

Learning Metrics: Number Ordering to 100 (After)					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
22,700	88.80%	14.62	14.74	21.02	42.57%

Subtraction less than 6

Students identify the difference after hearing and viewing a subtraction expression.

Example: 4-Feb

Learning Metrics: Subtraction less than 6					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
24,090	83.63%	13.14	12.43	19.80	59.24%

Addition to 10 - Turned Around

Students are presented with a sum and need to select the matching addends.

Example: Which of the following give 7? 3 + 2 or 1 + 6

Learning Metrics: Addition to 10 - Turned Around					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
26,198	82.28%	12.36	12.36	14.74	19.32%

Smaller Number - Two Digit

This activity develops place value knowledge; students select the smaller number displayed.

Example: Select the smaller number: 68 or 94

Learning Metrics: Smaller Number - Two Digit					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
24,101	87.87%	15.61	15.78	21.63	37.05%

Number Pattern - Increasing 1

This activity introduces patterns; students complete a sequence of numbers which increases by 1.

Example: 11, 12, ___ , 14, 15

Learning Metrics: Number Pattern - Increasing 1					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
27,615	88.94%	14.41	14.68	21.39	45.68%

Number Ordering to 100 (Before)

This activity reinforces the sequence of numbers; students select the number that comes before.

Example: What number comes before eighty-five?

Learning Metrics: Number Ordering to 100 (Before)					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
29,470	88.92%	14.96	15.69	22.43	42.94%

Number Pattern - Decreasing 1

This activity introduces patterns; students complete a sequence of numbers which decreases by 1.

Example: 11, 10, ___ , 8, 7

Learning Metrics: Number Pattern - Decreasing 1					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
27,462	86.22%	13.27	13.19	21.14	60.23%

Subtraction less than 6 - Missing

In this activity, students select the missing subtrahend to complete an equation.

Example: What do I subtract from 4 to get 1?

Learning Metrics: Subtraction less than 6 - Missing					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
32,516	78.97%	10.71	9.70	16.27	67.73%

Addition to 20

Basic facts knowledge is further developed by questions containing addends that total up to 20.
Example: 4 + 13

Learning Metrics: Addition to 20					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
34,379	85.65%	13.87	16.06	21.18	31.86%

Bigger Number - Three Digit

Students apply and extend their place value knowledge by selecting the bigger three digit number.
Example: Select the bigger number: 315 or 721

Learning Metrics: Bigger Number - Three Digit					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
30,521	91.07%	18.44	18.67	25.91	38.76%

Subtraction less than 10

Students identify the difference after hearing and viewing a subtraction expression.

Example: 9-Mar

Learning Metrics: Subtraction less than 10					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
29,314	81.54%	12.28	12.44	18.55	49.13%

Smaller Number - Three Digit

Students apply and extend their place value knowledge by selecting the smaller three digit number.

Example: Select the smaller number: 286 or 601

Learning Metrics: Smaller Number - Three Digit					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
29,247	87.75%	15.58	16.11	22.86	41.84%

Number Pattern - Increasing 2

This activity introduces patterns; students complete a sequence of numbers which increases by 2.

Example: 10, 12, ___ , 16, 18

Learning Metrics: Number Pattern - Increasing 2					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
19,408	81.94%	11.87	10.81	18.21	68.53%

Adding Multiple of Ten

Adding efficiently is a focus; this activity reinforces counting in tens and using basic facts.

Example: 41 + 30

Learning Metrics: Adding Multiple of Ten					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
17,428	78.13%	10.60	9.99	14.87	48.81%

Subtraction less than 10 - Turned Around

In this activity, students identify the subtraction expression that matches a given answer.

Example: Which of the following give 4? 6 - 3 or 5 - 1

Learning Metrics: Subtraction less than 10 - Turned Around					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
15,590	80.55%	11.97	11.91	14.46	21.48%

Number Recognition - Three Digit

Students listen to a three digit number and match this to the written number displayed.

Example: eight hundred and fifty-five

Learning Metrics: Number Recognition - Three Digit					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
13,370	90.16%	16.85	17.75	21.38	20.44%

Number Pattern - Decreasing 2

This activity introduces patterns; students complete a sequence of numbers which decreases by 2.

Example: 11, 9, ___ , 5, 3

Learning Metrics: Number Pattern - Decreasing 2					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
12,403	78.95%	11.08	10.95	18.24	66.65%

Arithmetic 1

Students are exposed to adding three addends at a time, prompting the change of order when adding.

Example: 2 + 2 + 4

Learning Metrics: Arithmetic 1					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
11,119	75.23%	9.51	8.42	13.09	55.52%

Two Digit + One Digit Without Carry

Students apply a combination of place value knowledge and basic facts to add above 20.

Example: 21 + 3

Learning Metrics: Two Digit + One Digit Without Carry					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
13,428	83.45%	12.71	11.86	16.46	38.78%

Time - Analog 1

Students select a clock face that matches the written and spoken time -to the hour.

Example: Ten o'clock

Learning Metrics: Time - Analog 1					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
15,416	89.75%	13.56	14.05	14.58	3.74%

Addition to 20 - Missing

In this activity, students identify the addend missing from an equation.

Example: What do I add to 3 to get 11?

Learning Metrics: Addition to 20 - Missing					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
11,655	86.28%	14.29	12.46	17.63	41.49%

Double

In this activity, students double numbers from 1-10, and that are multiples of 10.

Example: Double 20

Learning Metrics: Double					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
21,926	92.36%	20.79	24.72	31.57	27.73%

Addition to 20 - Turned Around

Students are presented with a sum and need to select the matching addends.

Example: Which of the following give 17? 15 + 3 or 8 + 9

Learning Metrics: Addition to 20 - Turned Around					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
18,505	79.08%	11.65	11.79	14.53	23.20%

Addition and Subtraction 1

Single digit basic facts for both adding and subtracting are reinforced in this activity.

Example: 1 + 9; 7 - 4

Learning Metrics: Addition and Subtraction 1					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
17,206	88.20%	15.68	16.88	21.06	24.78%

Number Pattern - Increasing 3

Students develop their understanding of patterns by completing number sequences which increase by 10.

Example: 1, 11, ___ , 31, 41

Learning Metrics: Number Pattern - Increasing 3					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
19,715	90.61%	16.52	18.14	27.72	52.83%

Time - Digital 1

Students match written and digital times- to the hour.

Example: eleven o'clock

Learning Metrics: Time - Digital 1					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
17,312	95.97%	14.35	14.52	14.78	1.81%

Left and Right

Students select the direction the arrow points to determine left and right.

Example: Which way does the arrow point? Left or Right

Learning Metrics: Left and Right					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
16,440	95.81%	38.86	45.28	62.22	37.42%

Subtraction less than 10 - Missing

In this activity, students select the missing subtrahend to complete an equation.

Example: What do I subtract from 10 to get 2?

Learning Metrics: Subtraction less than 10 - Missing					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
13,855	82.36%	12.46	11.84	17.03	43.85%

Ten Times Tables Introduction

Students hear and read multiplication expressions using the word 'times' before selecting the matching answer.

Example: 3 x 10

Learning Metrics: Ten Times Tables Introduction					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
17,095	95.21%	29.01	29.82	38.75	29.96%

Subtraction less than 20

Students match subtraction expressions to their answers - numbers less than 20.

Example: 11-Oct

Learning Metrics: Subtraction less than 20					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
12,598	79.25%	11.92	11.52	16.51	43.26%

Time - Analog 2

Students select a clock face that matches the written and spoken time - half past the hour.

Example: Half past one; Two thirty

Learning Metrics: Time - Analog 2					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
13,766	80.51%	11.79	10.52	13.91	32.20%

Two Digit + One Digit With Carry

In this activity, students hear and view two digit + one digit with carry expressions and select the matching answers.

Example: 21 + 9

Learning Metrics: Two Digit + One Digit With Carry					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
12,828	76.20%	10.58	9.88	13.98	41.47%

Ten Times Tables

Students find the matching products for 10x table expressions. ("4 tens are..") (4x10)

Example: 10 x 10

Learning Metrics: Ten Times Tables					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
17,047	96.18%	29.63	33.89	40.67	20.02%

Number Pattern - Decreasing 3

Students develop their understanding of patterns by completing number sequences which decreases by 10.

Example: 41, 31, ___ , 11, 1

Learning Metrics: Number Pattern - Decreasing 3					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
14,108	92.47%	18.49	18.25	26.28	44.00%

Ten Times Tables - Missing

Students consolidate their understanding of the 10x table by solving equations containing a missing factor. This is a pre-cursor to division.

Example: What do I multiply 10 by to get 20?

Learning Metrics: Ten Times Tables - Missing					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
20,140	94.67%	25.96	27.20	37.13	36.49%

Time - Digital 2

Students match written and digital times - to the half hour.

Example: One thirty; Half past ten

Learning Metrics: Time - Digital 2					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
23,119	95.20%	14.22	14.32	14.90	4.05%

Two Times Tables Introduction

Students hear and read multiplication expressions using the word 'times' before selecting the matching answer.

Example: 3 x 2

Learning Metrics: Two Times Tables Introduction					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
21,266	91.21%	19.89	17.02	26.65	56.64%

Two Digit - One Digit Without Trade

Students find the difference between a two digit and one digit number without needing to trade.

Example: 23-Feb

Learning Metrics: Two Digit - One Digit Without Trade					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
21,531	86.02%	13.88	13.46	17.67	31.30%

Subtraction less than 20 - Missing

In this activity, students select the missing subtrahend to complete an equation.

Example: What do I subtract from 11 to get 2?

Learning Metrics: Subtraction less than 20 - Missing					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
21,784	77.72%	11.02	9.92	14.78	48.97%

Two Times Tables

Students find the matching products for 2x table expressions. ("4 twos are..") (4x2)

Example: 10x 2

Learning Metrics: Two Times Tables					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
18,505	91.41%	20.01	18.52	27.30	47.38%

Ten Times Tables - Turned Around

In this activity, students read the product and identify the expression that matches.

Example: Which of the following give 30? 3 x 10 or 10 x 10

Learning Metrics: Ten Times Tables - Turned Around					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
19,452	95.97%	14.36	14.49	14.83	2.35%

Divide by Ten

Students apply 10x tables knowledge to answer division questions.

Example: 30 ÷ 10

Learning Metrics: Divide by Ten					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
18,388	95.97%	29.06	29.29	37.86	29.23%

Five Times Tables Introduction

Students hear and read multiplication expressions using the word 'times' before selecting the matching answer. Questions are asked in sequence.

Example: 3 x 5

Learning Metrics: Five Times Tables Introduction					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
16,057	89.89%	19.93	17.39	27.97	60.81%

Subtraction less than 20 - Turned Around

In this activity, students identify the subtraction expression that matches a given answer.

Example: Which of the following give 5? 12 - 8 or 11 - 6

Learning Metrics: Subtraction less than 20 - Turned Around					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
14,297	75.63%	10.90	9.36	13.83	47.77%

Subtracting Multiple of Ten

Subtraction efficiency is the focus; this activity reinforces subtracting in groups of ten and using basic facts.

Example: 33 - 10

Learning Metrics: Subtracting Multiple of Ten					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
14,441	82.94%	13.09	12.13	17.70	45.84%

Two Times Tables - Missing

Students consolidate their understanding of the 2x table by solving equations with a missing factor. This is a precursor to division.

Example: What do I multiply 2 by to get 12?

Learning Metrics: Two Times Tables - Missing					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
14,272	90.18%	18.51	15.43	26.43	71.30%

Five Times Tables

Students find the matching products for 5x table expressions.

Example: "4 fives are.." 4 x 5

Learning Metrics: Five Times Tables					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
14,221	89.51%	18.76	16.70	25.73	54.05%

Two Times Tables - Turned Around

In this activity, students read the product and identify the expression that matches.

Example: Which of the following give 8? 3 x 2 or 4 x 2

Learning Metrics: Two Times Tables - Turned Around					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
13,691	89.95%	14.04	13.44	14.92	10.94%

Numbers in Words

Students read numbers in their word form and match them to their numerical form.

Example: eight hundred eighty-two

Learning Metrics: Numbers in Words					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
16,430	93.84%	17.63	17.30	22.99	32.88%

Halve

Students apply 2x table and number knowledge to halve numbers.

Example: Half of 12

Learning Metrics: Halve					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
16,433	94.49%	24.76	23.92	31.03	29.70%

Five Times Tables - Turned Around

In this activity, students read the product and identify the expression that matches.

Example: Which of the following give 35? 7 x 5 or 9 x 5

Learning Metrics: Five Times Tables - Turned Around					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
16,134	84.83%	13.08	11.63	14.74	26.74%

Two Digit - One Digit With Trade

Students extend their skills by subtracting from two digit numbers where trade is required.

Example: 31 - 4

Learning Metrics: Two Digit - One Digit With Trade					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
15,975	80.91%	12.42	11.27	16.54	46.80%

Five Times Tables - Missing

Students consolidate their understanding of the 5x tables by solving equations with a missing factor. This is a precursor to division.

Example: What do I multiply 5 by to get 20?

Learning Metrics: Five Times Tables - Missing					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
14,118	89.60%	18.27	16.54	25.83	56.20%

Eleven Times Tables Introduction

Students hear and read multiplication expressions using the word 'times' before selecting the matching answer. Questions are asked in sequence.

Example: "4 elevens are..." 4 x 11

Learning Metrics: Eleven Times Tables Introduction					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
14,517	96.17%	31.07	31.03	40.68	31.11%

Divide by Two

In this activity, students apply basic facts and number knowledge to answer 'divide by two' questions.

Example: 6 ÷ 2

Learning Metrics: Divide by Two					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
12,920	93.24%	22.00	21.34	29.75	39.43%

Time - Analog 3

Students select a clock face that matches the written and spoken time - quarter hour intervals.

Example: One fifteen; One forty-five; Quarter to two

Learning Metrics: Time - Analog 3					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
11,754	78.73%	11.62	10.12	14.10	39.32%

Times Tables 1

Students experience a range of 2, 5 and 10 times table questions to build recall.

Example: 7 x 2; 3 x 5; 9 x 10

Learning Metrics: Times Tables 1					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
11,233	93.34%	22.85	23.05	29.24	26.87%

Eleven Times Tables

Students find the matching products for 11x table expressions.

Example: “4 elevens are...” 4 x 11

Learning Metrics: Eleven Times Tables					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
12,502	94.57%	29.02	31.56	39.75	25.93%

Time - Digital 3

Students match written and digital times for varying intervals.

Example: Five past one; One ten

Learning Metrics: Time - Digital 3					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
11,596	88.85%	14.24	13.76	14.92	8.45%

Four Times Tables Introduction

Students hear and read multiplication expressions using the word 'times' before selecting the matching answer. Questions are asked in sequence.

Example: "2 fours are..." 2 x 4

Learning Metrics: Four Times Tables Introduction					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
10,701	88.87%	19.22	16.01	26.21	63.71%

Eleven Times Tables - Missing

Students consolidate their understanding of the 11 x table by solving equations with a missing factor.

Example: What do I multiply 11 by to get 121?

Learning Metrics: Eleven Times Tables - Missing					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
10,932	94.07%	27.61	29.43	38.86	32.02%

Divide by Five

In this activity, students apply basic facts and number knowledge to answer 'divide by five' questions.

Example: 15 ÷ 5

Learning Metrics: Divide by Five					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
11,978	88.51%	18.22	16.85	25.91	53.79%

Eleven Times Tables - Turned Around

In this activity, students read the product and identify the expression that matches.

Example: Which of the following give 66? 6 x11 or 3 x 11

Learning Metrics: Eleven Times Tables - Turned Around					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
13,101	92.18%	14.63	14.34	14.87	3.66%

Four Times Tables

Students find the matching products for 4x table expressions. ("3 fours are..") (3x4)

Example: 11 x 4

Learning Metrics: Four Times Tables					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
12,156	87.12%	17.51	13.93	23.75	70.43%

Time 1

Students match analog and digital times ranging from one hour to 5 minute intervals.

Example: What time is the clock showing?

Learning Metrics: Time 1					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
12,529	85.46%	13.65	12.59	19.46	54.63%

Three Times Tables Introduction

Students hear and read multiplication expressions using the word 'times' before selecting the matching answer.

Example: 3 x 3

Learning Metrics: Three Times Tables Introduction					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
12,608	92.04%	22.58	19.43	29.26	50.59%

Division 1

In this activity, students apply basic facts and number knowledge to answer division questions involving 2x, 5x ad 10x.

Example: 6 ÷ 2

Learning Metrics: Division 1					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
9,757	90.07%	19.36	17.75	25.62	44.34%

Four Times Tables - Missing

Students consolidate their understanding of the 4x table by solving number sentences with a missing factor.

Example: What do I multiply 4 by to get 12?

Learning Metrics: Four Times Tables - Missing					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
9,372	88.83%	18.20	15.20	24.59	61.77%

Three Times Tables

Students find the matching products for 3x table expressions.

Example: "4 threes are.." 3 x 3

Learning Metrics: Three Times Tables					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
9,443	93.25%	23.18	21.00	30.26	44.10%

Four Times Tables - Turned Around

In this activity, students read the product and identify the expression that matches.

Example: Which of the following give 48? 8 x 4 or 12 x 4

Learning Metrics: Four Times Tables - Turned Around					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
8,048	88.06%	13.91	13.47	15.33	13.84%

Time - Digital 4

Students match written and digital times for 5 and 10 minute intervals.

Example: Ten twenty

Learning Metrics: Time - Digital 4					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
8,295	88.73%	14.20	13.63	14.75	8.22%

Divide by Eleven

In this activity, students apply basic facts and number knowledge to answer 'divide by eleven' questions.

Example: 44 ÷ 11

Learning Metrics: Divide by Eleven					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
7,930	95.31%	30.09	32.93	40.04	21.61%

Three Times Tables - Missing

Students consolidate their understanding of the 3x table by solving number sentences with a missing factor.

Example: What do I multiply 3 by to get 21?

Learning Metrics: Three Times Tables - Missing					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
7,673	90.48%	20.64	20.09	29.98	49.26%

Three Times Tables - Turned Around

In this activity, students read the product and identify the expression that matches.

Example: Which of the following give 27? 7 x 3 or 9 x 3

Learning Metrics: Three Times Tables - Turned Around					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
8,094	92.03%	14.48	14.41	15.19	5.37%

Addition and Subtraction 2

Students solve a range of subtraction and addition problems involving trade and carrying.

Example: 22 + 9

Learning Metrics: Addition and Subtraction 2					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
7,778	83.83%	13.69	12.94	17.22	33.01%

Time - Analog 4

Students select a clock face that matches the written and spoken time - to five minute intervals

Example: Five past one

Learning Metrics: Time - Analog 4					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
8,211	77.52%	11.39	10.18	15.31	50.42%

Divide by Four

In this activity, students apply basic facts knowledge to answer 'divide by four' questions.

Example: 16 ÷ 4

Learning Metrics: Divide by Four					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
7,675	89.48%	19.47	17.98	27.04	50.42%

Times Tables 2

Students experience a range of 3, 4 and 11 times table questions to build recall.

Example: 9 x 3; 6 x 4; 11 x 11

Learning Metrics: Times Tables 2					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
7,589	93.36%	24.14	24.26	31.10	28.20%

Six Times Tables Introduction

Students hear and read multiplication expressions using the word 'times' before selecting the matching answer. Questions are asked in sequence.

Example: 3 x 6

Learning Metrics: Six Times Tables Introduction					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
7,366	92.37%	23.63	20.67	30.77	48.89%

Mixed Mentals 1

Students need to focus on the equation symbols to answer a mix of addition, subtraction and multiplication questions.

Example: 3 + 8; 9 - 2; 4 x 6; 20 ÷ 2

Learning Metrics: Mixed Mentals 1					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
6,257	93.86%	24.25	24.70	29.31	18.67%

Divide by Three

In this activity, students apply basic facts knowledge to answer 'divide by three' questions.

Example: 9 ÷ 3

Learning Metrics: Divide by Three					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
5,927	92.14%	22.08	21.85	29.39	34.56%

Six Times Tables

Students find the matching products for 6x table expressions.

Example: "4 sixes are.." 4 x 6

Learning Metrics: Six Times Tables					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
6,570	94.11%	25.23	25.33	33.99	34.17%

Number Pattern - Increasing 4

This activity introduces patterns; students complete a sequence of numbers which increases by 3, 4 or 5.

Example: 0, 4, ___ , 12, 16

Learning Metrics: Number Pattern - Increasing 4					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
5,436	79.91%	11.92	10.60	15.25	43.77%

Eight Times Tables Introduction

Students hear and read multiplication expressions using the word 'times' before selecting the matching answer. Questions are asked in sequence.

Example: 3 x 8

Learning Metrics: Eight Times Tables Introduction					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
5,605	91.17%	22.39	19.72	28.56	44.81%

Six Times Tables - Missing

Students consolidate their understanding of the 6x table by solving equations with a missing factor.

Example: What do I multiply 6 by to get 30?

Learning Metrics: Six Times Tables - Missing					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
5,395	92.56%	23.23	21.96	33.72	53.55%

Division 2

In this activity, students apply basic facts recall and number knowledge to answer a range of division questions.

Example: 12 ÷ 3

Learning Metrics: Division 2					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
5,027	91.66%	21.75	22.46	30.08	33.94%

Six Times Tables - Turned Around

In this activity, students read the product and identify the expression that matches.

Example: Which of the following give 42? 7 x 6 or 6 x 6

Learning Metrics: Six Times Tables - Turned Around					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
5,362	93.62%	14.42	14.45	14.94	3.39%

Eight Times Tables

Students find the matching products for 8x table expressions.

Example: “4 eights are..” 4 x 8

Learning Metrics: Eight Times Tables					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
5,340	91.18%	22.00	18.87	28.77	52.45%

Divide by Six

In this activity, students apply basic facts and number knowledge to answer 'divide by six' questions.

Example: 24 ÷ 6

Learning Metrics: Divide by Six					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
5,196	91.64%	22.49	20.40	30.60	50.02%

Nine Times Tables Introduction

Students hear and read multiplication expressions using the word 'times' before selecting the matching answer. Questions are asked in sequence.

Example: 3 x 9

Learning Metrics: Nine Times Tables Introduction					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
5,468	93.03%	24.84	21.26	31.56	48.42%

Arithmetic 2

Students apply their number knowledge to answer a range of two digit and one digit addition and subtraction questions.

Example: 38 - 2 - 4

Learning Metrics: Arithmetic 2					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
4,506	76.81%	10.48	8.81	13.86	57.27%

Eight Times Tables - Missing

Students consolidate their understanding of the 8x table by solving equations with a missing factor.

Example: What do I multiply 8 by to get 40?

Learning Metrics: Eight Times Tables - Missing					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
4,705	89.82%	20.40	15.66	26.17	67.15%

Eight Times Tables - Turned Around

In this activity, students read the product and identify the expression that matches.

Example: Which of the following give 64? 7 x 8 or 8 x 8

Learning Metrics: Eight Times Tables - Turned Around					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
4,629	92.51%	14.51	14.94	15.33	2.65%

Nine Times Tables

Students find the matching products for 9x table expressions.

Example: “4 nines are..” 4 x 9

Learning Metrics: Nine Times Tables					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
4,317	93.57%	25.24	23.90	31.74	32.81%

Nine Times Tables - Missing

Students consolidate their understanding of the 9x table by solving equations with a missing factor.

Example: What do I multiply 9 by to get 36?

Learning Metrics: Nine Times Tables - Missing					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
3,944	93.78%	25.91	25.95	35.61	37.25%

Divide by Eight

In this activity, students apply basic facts and number knowledge to answer 'divide by eight' questions.

Example: 24 ÷ 8

Learning Metrics: Divide by Eight					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
3,903	92.55%	23.57	22.83	31.65	38.66%

Arithmetic 3

Students apply their number knowledge to answer a range of two digit and one digit addition and subtraction questions.

Example: 2 + 12 + 25

Learning Metrics: Arithmetic 3					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
3,252	76.81%	10.04	7.05	12.78	81.26%

Nine Times Tables - Turned Around

In this activity, students read the product and identify the expression that matches.

Example: Which of the following give 72? 12 x 9 or 8 x 9

Learning Metrics: Nine Times Tables - Turned Around					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
3,807	92.41%	14.60	14.35	14.86	3.59%

Times Tables 3

Students experience a range of times table questions to build recall.

Example: 4 x 8; 5 x 9; 7 x 6

Learning Metrics: Times Tables 3					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
3,673	92.98%	24.19	23.32	29.93	28.33%

Divide by Nine

In this activity, students apply basic facts and number knowledge to answer 'divide by nine' questions.

Example: 36 ÷ 9

Learning Metrics: Divide by Nine					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
3,421	94.72%	27.34	27.59	34.76	25.97%

Twelve Times Tables Introduction

Students hear and read multiplication expressions using the word 'times' before selecting the matching answer. Questions are asked in sequence.

Example: 3 x 12

Learning Metrics: Twelve Times Tables Introduction					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
3,568	92.10%	24.01	22.45	32.68	45.54%

Mixed Mentals 2

Students need to focus on the equation symbols to answer a mix of addition, subtraction and multiplication questions.

Example: 10 x 5

Learning Metrics: Mixed Mentals 2					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
3,343	92.44%	21.29	21.66	26.47	22.20%

Arithmetic 4

Students apply their number knowledge to answer a range of two digit addition and subtraction questions.

Example: 64 - 12 - 9

Learning Metrics: Arithmetic 4					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
2,780	67.28%	8.29	6.68	10.97	64.32%

Time 2

Students match analog and digital times ranging focusing on 5 minute intervals.

Example: What time does the clock show?

Learning Metrics: Time 2					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
3,195	83.37%	12.63	10.95	16.39	49.75%

Division 3

In this activity, students apply basic facts recall and number knowledge to answer a range of division questions.

Example: 24 ÷ 6

Learning Metrics: Division 3					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
2,407	91.63%	22.31	18.00	27.93	55.19%

Twelve Times Tables

Students find the matching products for 12x table expressions.

Example: “4 twelves are..” 4 x 12

Learning Metrics: Twelve Times Tables					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
2,361	94.71%	26.52	27.82	37.82	35.95%

Twelve Times Tables - Missing

Students consolidate their understanding of the 12x table by solving equations with a missing factor.

Example: What do I multiply 12 by to get 108?

Learning Metrics: Twelve Times Tables - Missing					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
1,856	92.49%	23.78	24.55	36.82	50.00%

Twelve Times Tables - Turned Around

In this activity, students read the product and identify the expression that matches.

Example: Which of the following give 36? 4 x 12 or 3 x 12

Learning Metrics: Twelve Times Tables - Turned Around					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
1,791	91.67%	14.48	13.24	14.53	9.78%

Arithmetic 5

Students apply their number knowledge to answer a range of two digit addition and subtraction questions.

Example: 86 - 11 + 5

Learning Metrics: Arithmetic 5					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
1,377	67.35%	8.22	5.93	9.13	53.93%

Seven Times Tables Introduction

Students hear and read multiplication expressions using the word 'times' before selecting the matching answer.

Example: 3 x 7

Learning Metrics: Seven Times Tables Introduction					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
1,891	94.72%	28.57	26.34	35.94	36.42%

Divide by Twelve

In this activity, students apply basic facts and number knowledge to answer 'divide by twelve' questions.

Example: 36 ÷ 12

Learning Metrics: Divide by Twelve					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
1,510	92.61%	24.35	25.90	36.30	40.15%

Number Pattern - Decreasing 4

This activity introduces patterns; students complete a sequence of numbers which decreases by 3, 4 or 5.

Example: 13, 10, ___ , 4, 1

Learning Metrics: Number Pattern - Decreasing 4					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
1,448	80.69%	11.94	10.25	15.63	52.44%

Seven Times Tables

Students find the matching products for the 7x table expressions.

Example: "4 sevens are.." 4 x 7

Learning Metrics: Seven Times Tables					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
1,851	94.96%	28.17	25.53	35.82	40.31%

Seven Times Tables - Missing

Students consolidate their understanding of the 7x table by solving equations with a missing factor.

Example: ___ x 7 = 28

Learning Metrics: Seven Times Tables - Missing					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
1,486	94.63%	28.74	29.60	39.73	34.23%

Arithmetic 6

Students find the answer to three digit addition questions.

Example: 267 + 237

Learning Metrics: Arithmetic 6					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
1,118	73.68%	9.59	9.23	14.77	60.10%

Seven Times Tables - Turned Around

In this activity, students read the product and identify the expression that matches.

Example: Which of the following give 56? 7 x 7 or 8 x

Learning Metrics: Seven Times Tables - Turned Around					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
1,481	92.97%	14.54	14.65	14.95	2.05%

Times Tables 4

Students experience a range of times table questions to build recall. All times tables are covered.

Example: 7 x 12

Learning Metrics: Times Tables 4					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
1,510	95.43%	35.13	28.38	35.18	23.98%

Divide by Seven

In this activity, students apply basic facts and number knowledge to answer 'divide by seven' questions.

Example: 21 ÷ 7

Learning Metrics: Divide by Seven					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
1,312	94.62%	30.53	30.60	39.13	27.88%

Division 4

In this activity, students apply basic facts recall and number knowledge to answer a range of division questions.

Example: 21 ÷ 7

Learning Metrics: Division 4					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
1,380	92.87%	25.99	26.16	35.30	34.94%

Mixed Mentals 3

Students need to focus on the equation symbols to answer a mix of addition, subtraction and multiplication questions.

Example: 56 + 9; 47 - 8; 7 x 5; 22 ÷ 2

Learning Metrics: Mixed Mentals 3					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
1,408	91.47%	21.38	24.18	29.52	22.08%

Mixed Mentals 4

Students answer complex questions involving all operations including 3 digit numbers.

Example: 43 + 19; 64 - 18; 12 x 9; 122 ÷ 2

Learning Metrics: Mixed Mentals 4					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
1,263	87.67%	15.51	13.87	21.90	57.84%

Division 5

In this activity, students apply basic facts recall and number knowledge to answer a range of division questions.

Example: 108 ÷ 9

Learning Metrics: Division 5					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
1,368	92.96%	25.23	26.94	33.79	25.42%

Order of Operations

In this activity, students apply the rule of calculating the total of expressions in brackets before calculating other parts of an equation.

Example: (7 + 3) x 5

Learning Metrics: Order of Operations					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
1,207	81.23%	11.32	10.10	16.38	62.16%

Average

Students add two numbers together and divide by two to find the average for these questions.

Example: Average of 10 and 18

Learning Metrics: Average					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
1,194	78.24%	11.53	9.91	18.79	89.65%

Decimal Ordering

Students compare decimal numbers to three places to select the biggest or smallest.

Example: Which is bigger? 0.18 or 0.3

Learning Metrics: Decimal Ordering					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
1,350	88.16%	17.93	16.34	24.79	51.72%

Division 6

In this activity, students apply basic facts recall and number knowledge to answer a range of complex division questions.

Example: 100 ÷ 5; 26 ÷ 2

Learning Metrics: Division 6					
Sample Size	Average Accuracy	Average Ans / min	Average Early Score	Average High Score	Average Improvement
0,808	85.32%	15.80	16.75	23.63	41.04%