

CALCULATION BOOSTER

[November]

Contents

- Addition and Subtraction Within 100
- Columnar Addition and Subtraction
- Addition and Subtraction Skills
- 2-digit number multiply 1-digit number
- Short Division

NAME:

PREFACE

Welcome to your Think Academy maths course; we're delighted that you've chosen to learn with us!

About Think Academy

Think Academy is part of the NYSE-listed TAL Education Group, trusted by over 30 million students and their families across the globe.

Over the past 18 years, Think Academy's expertise has focused on curriculum development and maths tuition, supporting students to excel in primary school level mathematics.

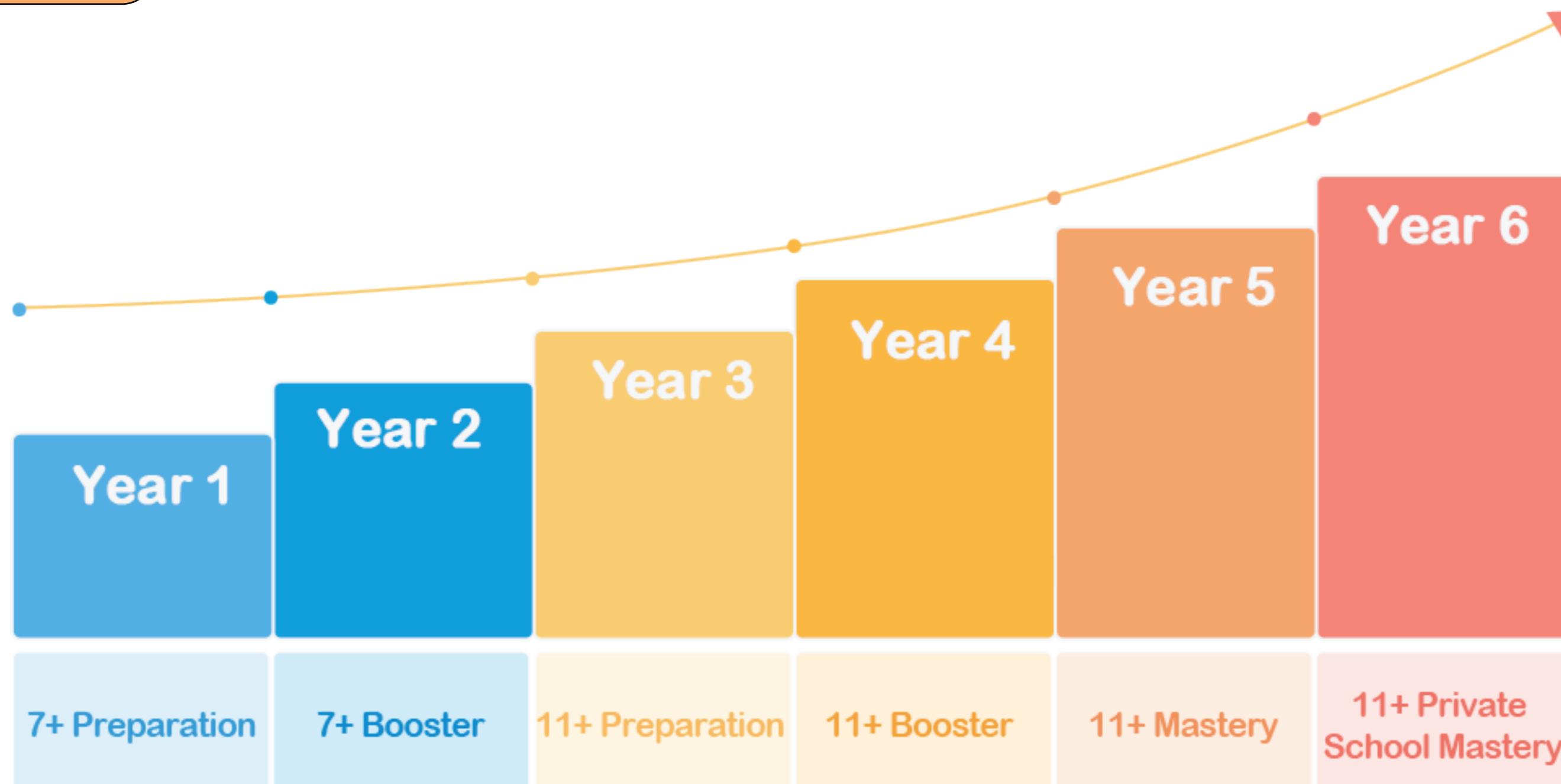
Our bespoke online maths courses harness the power of technology to ensure students achieve their full potential at primary school and throughout their 11+ journey.

Throughout this online maths course, you and your child will experience a fully guided learning process, led by their tutor with additional support from the tutor's assistant.

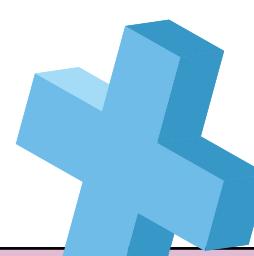
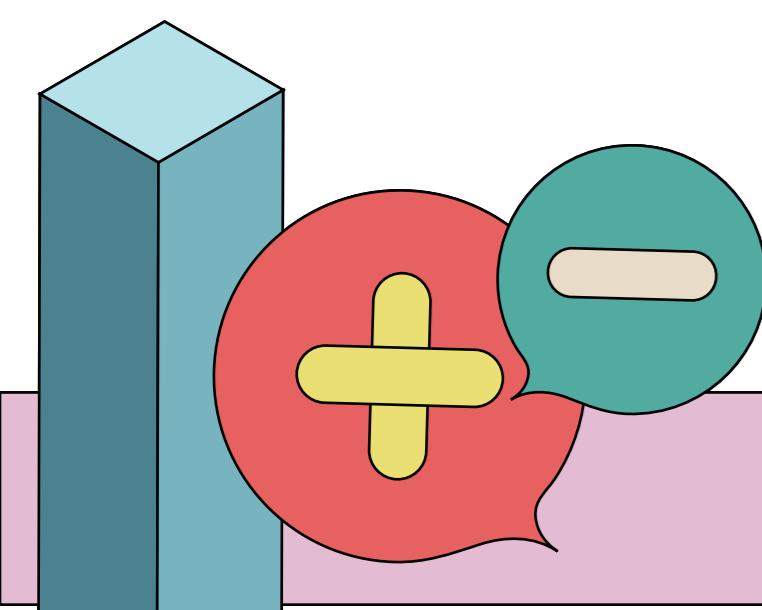
This course will introduce your child to new and challenging mathematical concepts. Their tutor will encourage your child to break boundaries by using the problem-solving techniques and fast calculation skills required to achieve 11+ mastery.

When it's time for class, open the Think Academy Classroom app to get started.

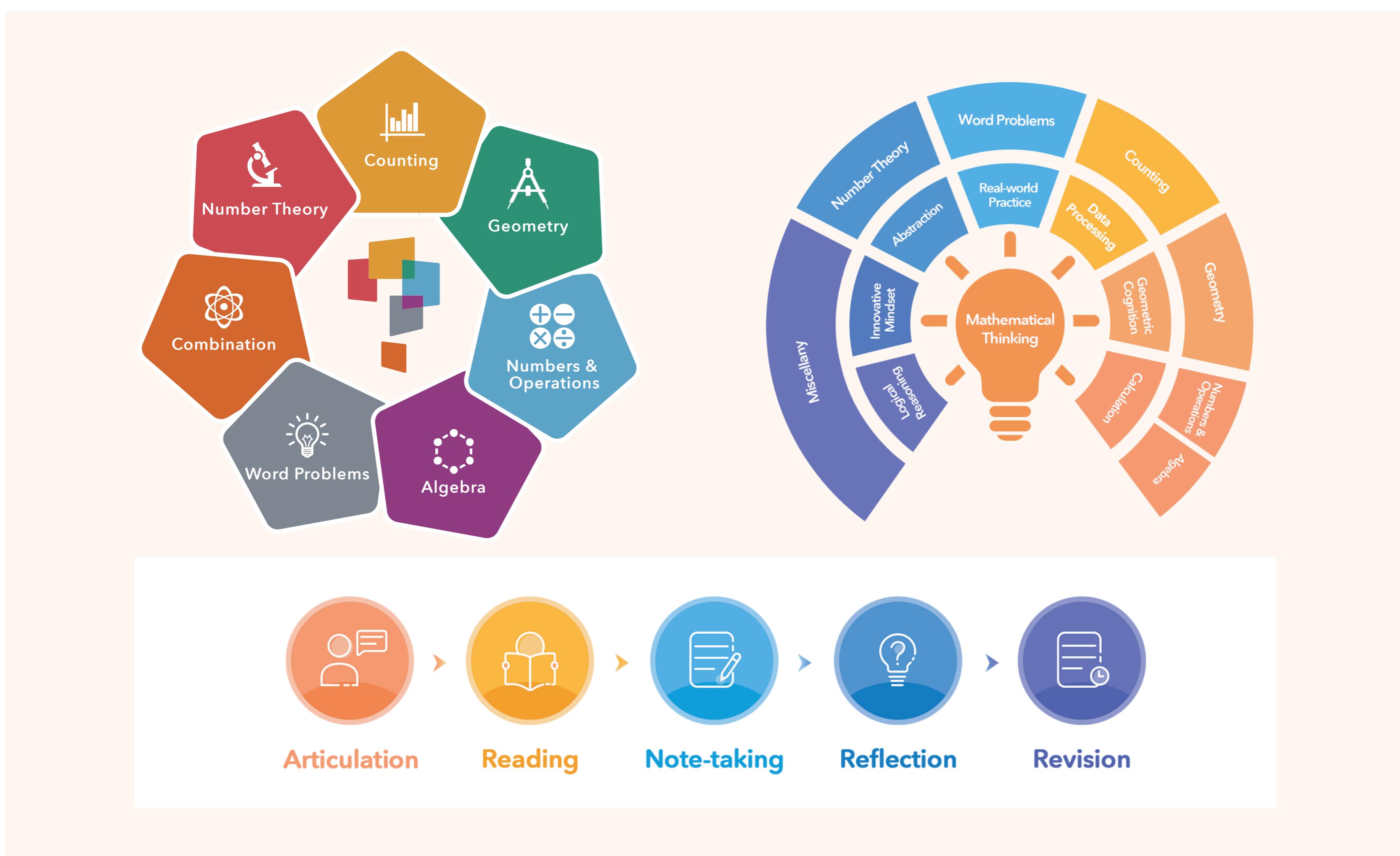
Our curriculum



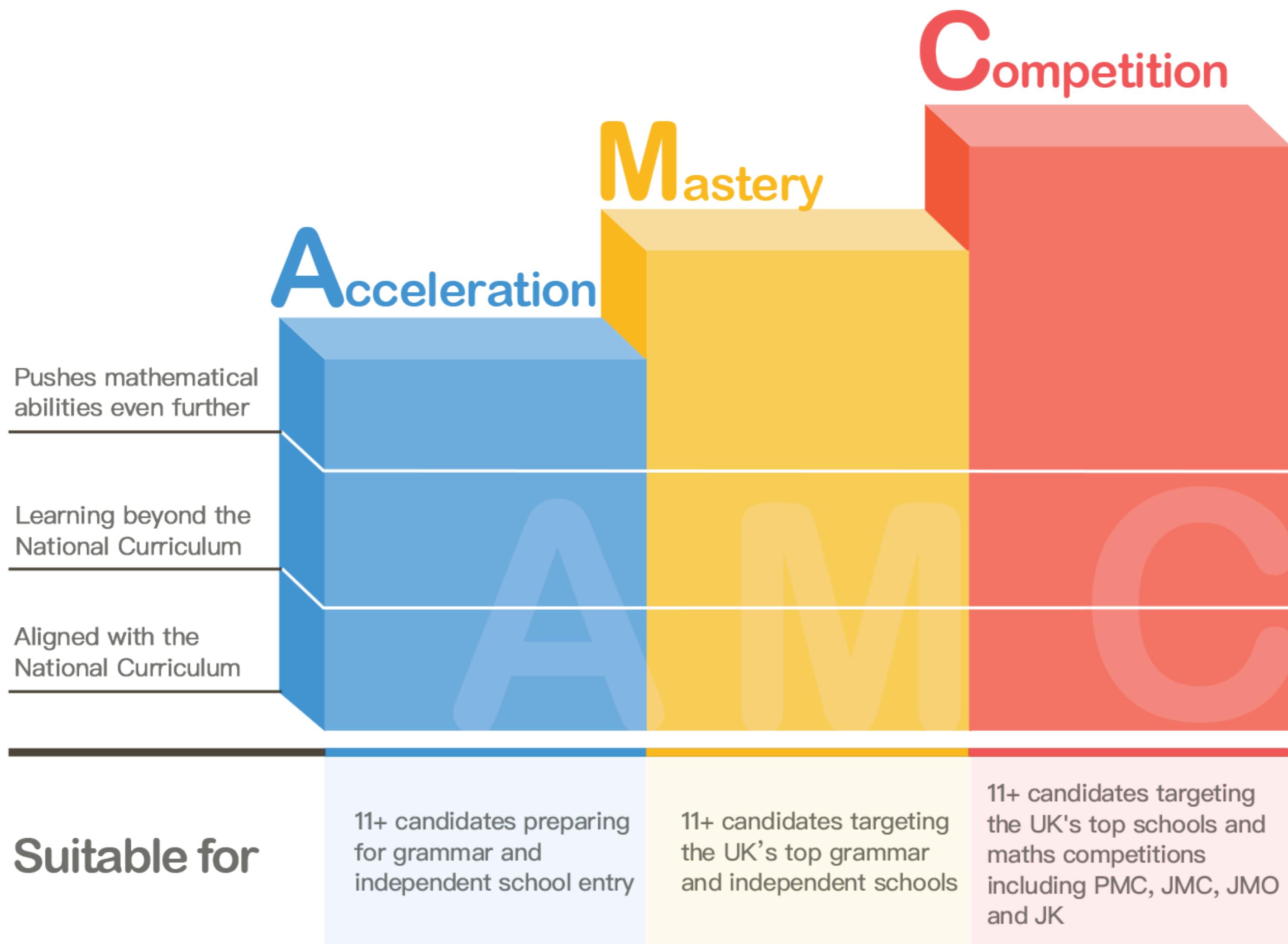
Think Academy's curriculum is designed to ensure students develop the necessary skills required for success in the UK National Curriculum, and later, in the 11+ exam. That is why our curriculum centres around the modules consistently used in all types of secondary school entrance exams.



Our curriculum



Level introduction



About this workbook

How can you use this workbook?

Think Academy's digitalised workbooks help learners develop the critical maths skills required to enter grammar or independent school successfully.

- Develop accuracy and efficiency in calculation, essential for solving questions quickly, through comprehensive practices.
- Establish confidence in mathematics, with the ability to absorb and adapt to new mathematical concepts promptly.
- Build a solid foundation in primary-level mathematics, using the building blocks necessary to approach more complex problems and achieve ultimate mastery.

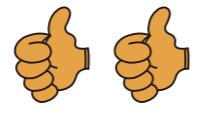
What's inside?

This workbook consists of daily exercises for learners to complete over one month.

Learners should aim to complete two sections each day: '**mental calculation**' and '**written calculation**'.

Top tips:

Keep an eye on the time! Note how long it takes the learner to complete each mental calculation exercise. We recommend using this guide as a reference:

- Under 10 minutes 
- Within 10 to 15 minutes 
- Above 15 minutes 

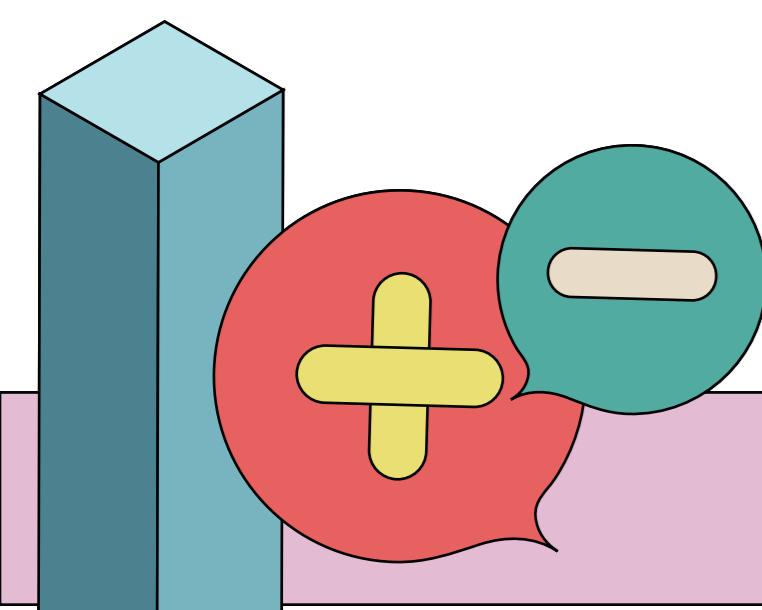
There is no time limit for the written calculation section as the content and difficulty level varies each week. Nevertheless, learners should still aim to be as quick as they can.

Make a note of mistakes and aim to track weekly progress.

- Use the "Stars Missed" section to jot down the learner's mistakes.
- Encourage the learner to correct their mistakes, colouring a star each time they successfully do so.
- Review progress each week, consider how long it takes to complete each exercise and the frequency of mistakes, as well as improvements.
- The learner can use their accumulated stars to create a constellation at the end of the month!

Good luck!

The Think Academy Team



Day 01

Mental Calculation	Time Taken:	Stars Missed:
80 - 39 =	70 - 31 =	97 - 46 =
94 - 55 =	39 + 3 =	63 - 42 =
6 + 8 =	51 - 21 =	9 + 8 =
59 - 45 =	47 + 35 =	73 - 28 =
9 + 6 =	52 - 13 =	5 + 7 =
51 - 16 =	7 + 9 =	29 + 7 =
49 + 19 =	80 - 65 =	89 + 8 =
96 - 32 =	89 - 26 =	48 + 19 =

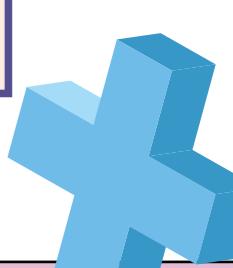
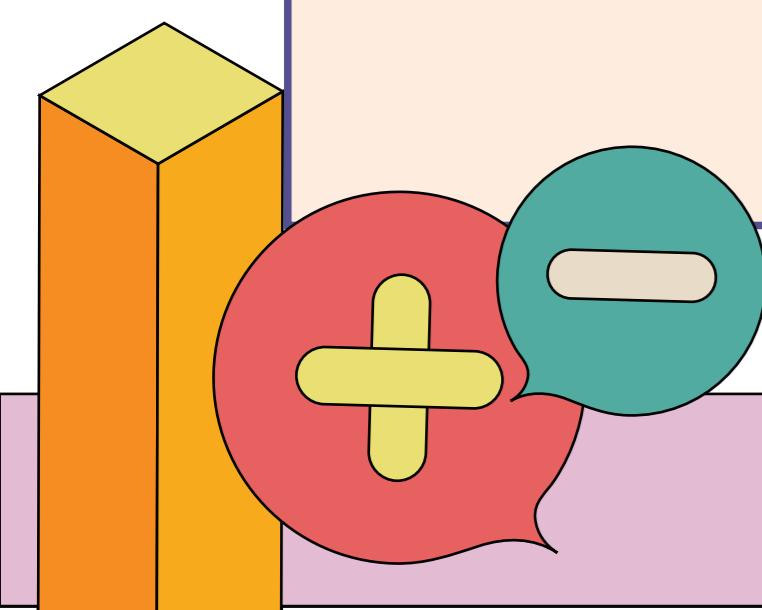
Written Calculation		
$855 - 309 =$ $\begin{array}{r} 855 \\ - 309 \\ \hline \end{array}$	$204 + 280 =$ $\begin{array}{r} 204 \\ + 280 \\ \hline \end{array}$	$812 - 651 =$ $\begin{array}{r} 812 \\ - 651 \\ \hline \end{array}$
$207 + 739 =$ $\begin{array}{r} 207 \\ + 739 \\ \hline \end{array}$	$464 + 131 =$ $\begin{array}{r} 464 \\ + 131 \\ \hline \end{array}$	$813 - 506 =$ $\begin{array}{r} 813 \\ - 506 \\ \hline \end{array}$

Review & Learn

Catch the missed  stars - try those questions again!



Caught all the stars?
COLOUR in this mega-star as a reward!



Day 02

Mental Calculation	Time Taken:	Stars Missed:
star 53 + 9 =	star 19 + 29 =	star 97 - 50 =
star 69 - 52 =	star 66 - 29 =	star 87 - 72 =
star 83 + 9 =	star 96 - 35 =	star 9 + 2 =
star 26 + 9 =	star 9 + 85 =	star 67 - 53 =
star 56 - 24 =	star 5 + 19 =	star 18 + 49 =
star 8 + 29 =	star 28 + 14 =	star 9 + 29 =
star 74 - 51 =	star 27 + 8 =	star 85 - 61 =
star 9 + 11 =	star 82 - 23 =	star 97 - 25 =

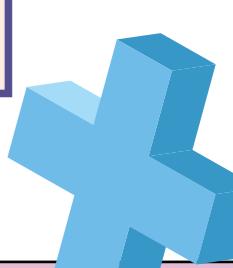
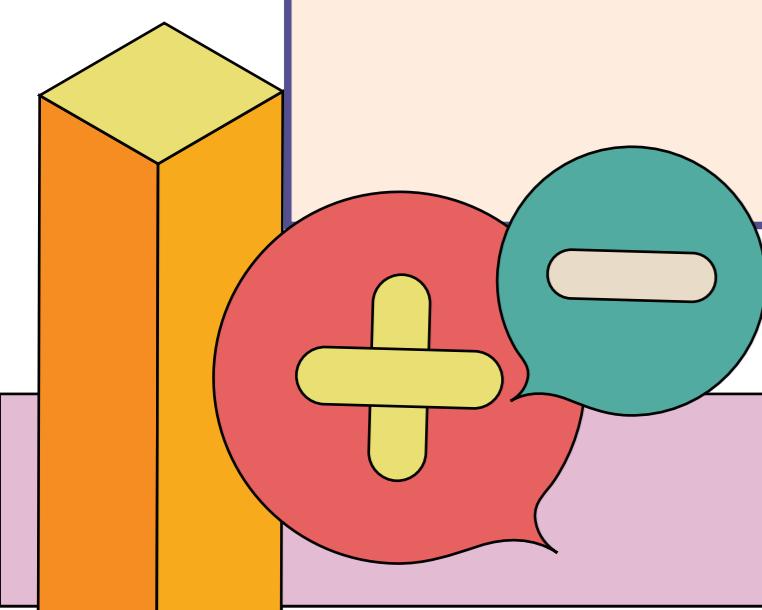
Written Calculation		
star 349 + 649 = 349 + 649 _____	star 174 + 650 = 174 + 650 _____	star 972 - 219 = 972 - 219 _____
star 328 + 566 = 328 + 566 _____	star 153 + 654 = 153 + 654 _____	star 995 - 198 = 995 - 198 _____

Review & Learn

Catch the missed star stars - try those questions again!



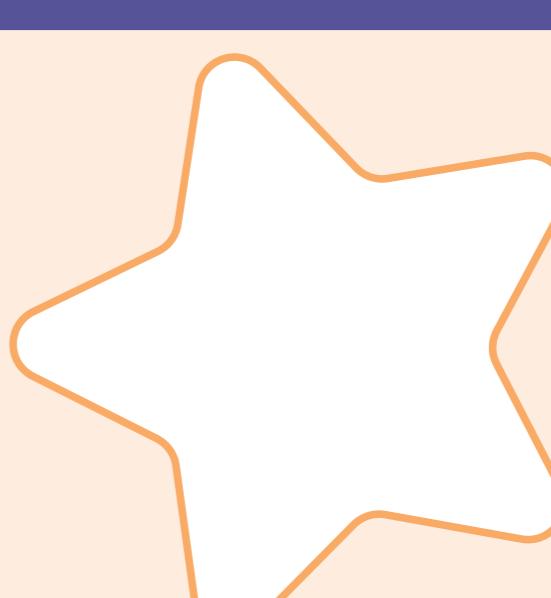
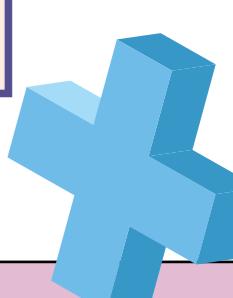
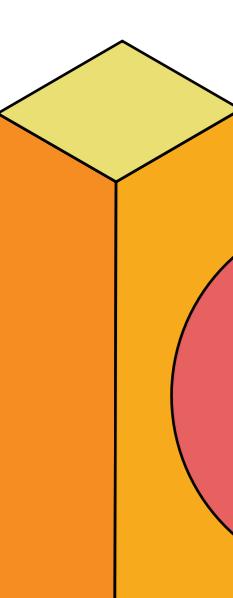
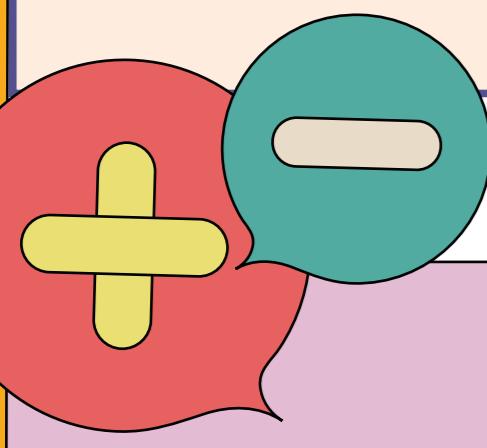
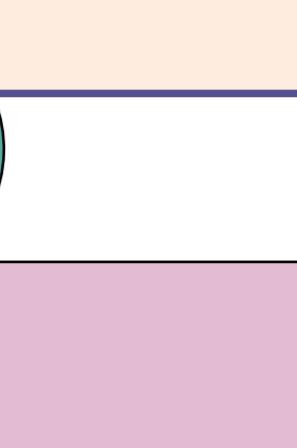
Caught all the stars?
COLOUR in this mega-star as a reward!



Day 03

Mental Calculation	Time Taken:	Stars Missed:
star 49 + 48 =	star 19 + 26 =	star 16 + 9 =
star 89 - 17 =	star 18 + 19 =	star 16 + 8 =
star 96 - 20 =	star 52 - 34 =	star 86 - 38 =
star 8 + 3 =	star 37 + 16 =	star 84 - 38 =
star 60 - 18 =	star 73 - 16 =	star 17 + 37 =
star 84 - 20 =	star 19 + 75 =	star 39 + 18 =
star 29 + 59 =	star 75 - 31 =	star 100 - 41 =
star 70 - 19 =	star 16 + 7 =	star 39 + 25 =

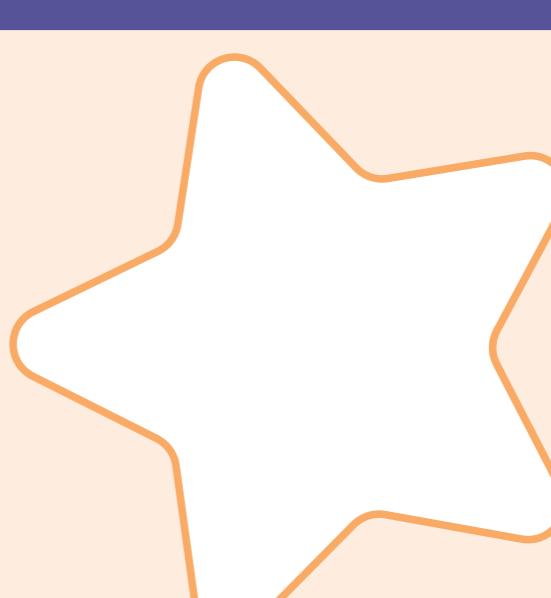
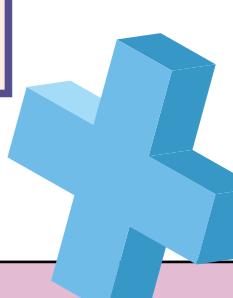
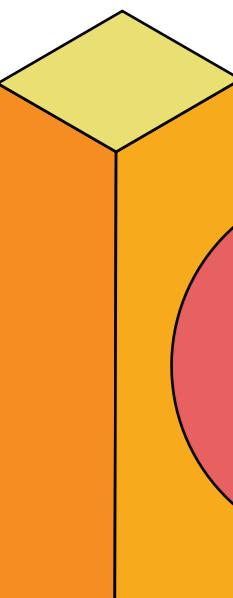
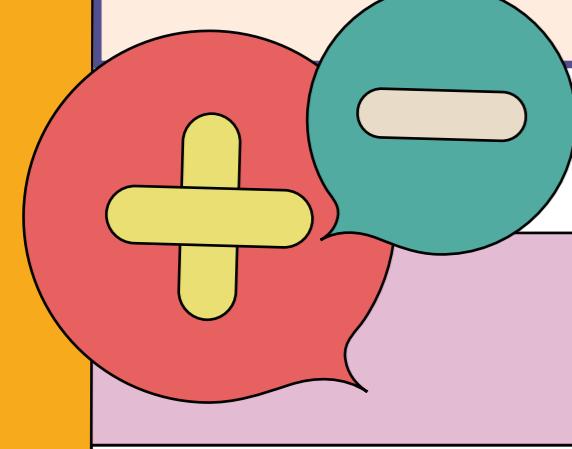
Written Calculation		
star $537 - 205 =$ $\begin{array}{r} 537 \\ - 205 \\ \hline \end{array}$	star $146 + 108 =$ $\begin{array}{r} 146 \\ + 108 \\ \hline \end{array}$	star $570 - 321 =$ $\begin{array}{r} 570 \\ - 321 \\ \hline \end{array}$
star $143 + 597 =$ $\begin{array}{r} 143 \\ + 597 \\ \hline \end{array}$	star $754 - 101 =$ $\begin{array}{r} 754 \\ - 101 \\ \hline \end{array}$	star $108 + 568 =$ $\begin{array}{r} 108 \\ + 568 \\ \hline \end{array}$

Review & Learn
<p>Catch the missed star stars - try those questions again!</p>  <div style="position: absolute; bottom: 0; right: 0;"> <p>Caught all the stars? COLOUR in this mega-star as a reward!</p>  </div> <div style="position: absolute; bottom: 0; left: 0;">    </div>

Day 04

Mental Calculation	Time Taken:	Stars Missed:
star 49 + 9 =	star 87 - 73 =	star 6 + 18 =
star 59 + 19 =	star 43 + 8 =	star 64 - 23 =
star 95 - 63 =	star 54 + 27 =	star 4 + 6 =
star 89 - 49 =	star 90 - 40 =	star 89 - 62 =
star 100 - 23 =	star 4 + 78 =	star 74 - 42 =
star 82 - 18 =	star 61 - 32 =	star 89 - 76 =
star 89 - 33 =	star 38 + 5 =	star 88 - 71 =
star 57 - 22 =	star 6 + 54 =	star 88 - 12 =

Written Calculation		
star $870 - 182 =$ $\begin{array}{r} 870 \\ - 182 \\ \hline \end{array}$	star $391 + 480 =$ $\begin{array}{r} 391 \\ + 480 \\ \hline \end{array}$	star $966 - 304 =$ $\begin{array}{r} 966 \\ - 304 \\ \hline \end{array}$
star $229 + 165 =$ $\begin{array}{r} 229 \\ + 165 \\ \hline \end{array}$	star $909 - 373 =$ $\begin{array}{r} 909 \\ - 373 \\ \hline \end{array}$	star $938 - 537 =$ $\begin{array}{r} 938 \\ - 537 \\ \hline \end{array}$

Review & Learn
<p>Catch the missed star stars - try those questions again!</p>  <div style="position: absolute; bottom: 0; right: 0;"> <p>Caught all the stars? COLOUR in this mega-star as a reward!</p>  </div> <div style="position: absolute; bottom: 0; left: 0;">    </div>

Day 05

Mental Calculation	Time Taken:	Stars Missed:
star 91 - 64 =	star 69 + 28 =	star 9 + 14 =
star 5 + 25 =	star 48 + 46 =	star 8 + 25 =
star 21 + 39 =	star 38 + 48 =	star 86 - 22 =
star 52 - 30 =	star 51 - 31 =	star 43 + 19 =
star 77 - 38 =	star 68 - 58 =	star 62 - 17 =
star 69 + 11 =	star 17 + 35 =	star 97 - 61 =
star 6 + 49 =	star 93 - 28 =	star 60 - 44 =
star 19 + 19 =	star 48 + 28 =	star 63 - 37 =

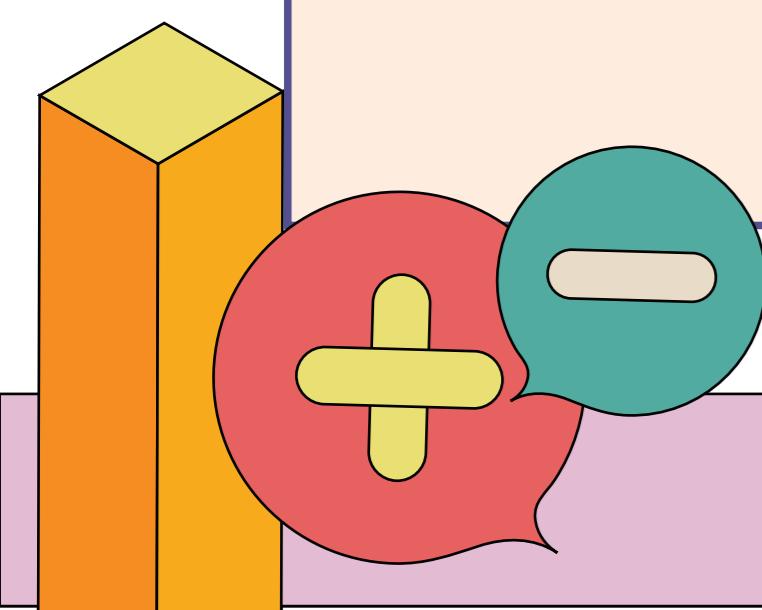
Written Calculation		
star 737 - 344 = 737 - 344 _____	star 967 - 131 = 967 - 131 _____	star 983 - 816 = 983 - 816 _____
star 837 - 150 = 837 - 150 _____	star 940 - 585 = 940 - 585 _____	star 386 + 445 = 386 + 445 _____

Review & Learn

Catch the missed star stars - try those questions again!



Caught all the stars?
COLOUR in this mega-star as a reward!



Day 06

Mental Calculation	Time Taken:	Stars Missed:
16 + 5 =	69 + 19 =	18 + 26 =
76 - 30 =	100 - 20 =	39 + 45 =
99 - 30 =	29 + 9 =	9 + 2 =
9 + 63 =	35 + 26 =	43 + 19 =
79 + 6 =	92 - 12 =	85 - 50 =
37 + 8 =	84 - 60 =	68 - 53 =
53 - 14 =	87 - 32 =	16 + 59 =
27 + 16 =	6 + 49 =	84 - 67 =

Written Calculation		
348 + 109 =	257 + 337 =	362 + 237 =
$ \begin{array}{r} 348 \\ + 109 \\ \hline \end{array} $	$ \begin{array}{r} 257 \\ + 337 \\ \hline \end{array} $	$ \begin{array}{r} 362 \\ + 237 \\ \hline \end{array} $

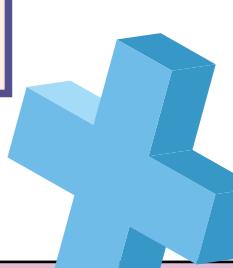
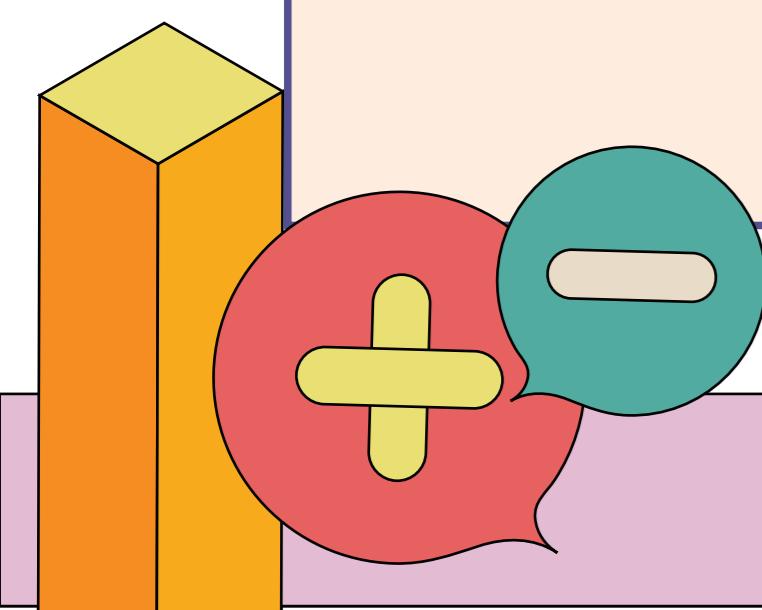
Written Calculation		
175 + 528 =	118 + 192 =	731 - 590 =
$ \begin{array}{r} 175 \\ + 528 \\ \hline \end{array} $	$ \begin{array}{r} 118 \\ + 192 \\ \hline \end{array} $	$ \begin{array}{r} 731 \\ - 590 \\ \hline \end{array} $

Review & Learn

Catch the missed  stars - try those questions again!



Caught all the stars?
COLOUR in this mega-star as a reward!



Day 07

Mental Calculation	Time Taken:	Stars Missed:
star 52 - 19 =	star 87 - 25 =	star 85 - 11 =
star 27 + 43 =	star 29 + 28 =	star 24 + 26 =
star 6 + 64 =	star 63 - 10 =	star 92 - 34 =
star 79 - 45 =	star 93 - 36 =	star 9 + 9 =
star 8 + 49 =	star 87 - 56 =	star 66 - 45 =
star 14 + 18 =	star 78 - 67 =	star 19 + 9 =
star 89 - 64 =	star 72 - 52 =	star 23 + 19 =
star 72 - 18 =	star 26 + 9 =	star 89 - 17 =

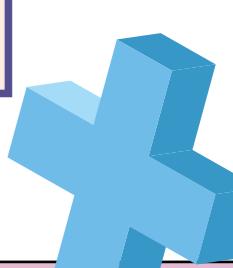
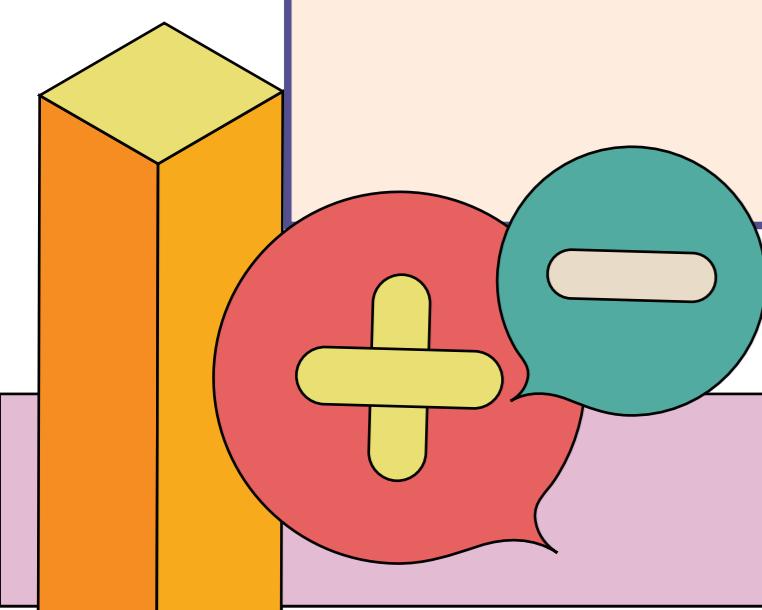
Written Calculation		
star 838 - 248 = 838 - 248 _____	star 115 + 762 = 115 + 762 _____	star 235 + 167 = 235 + 167 _____
star 640 - 311 = 640 - 311 _____	star 269 + 113 = 269 + 113 _____	star 314 + 235 = 314 + 235 _____

Review & Learn

Catch the missed star stars - try those questions again!



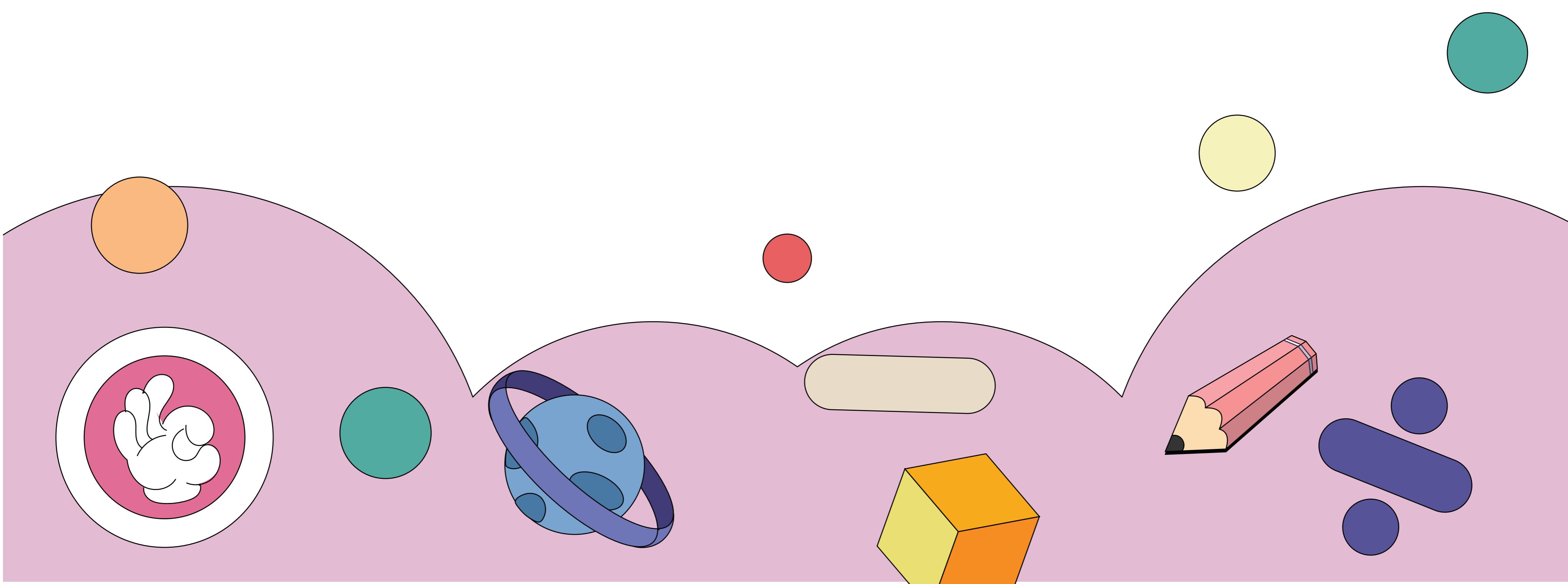
Caught all the stars?
COLOUR in this mega-star as a reward!



Weekly Recap

It's been one week, how did you do?

	Mental Calculation		Written Calculation
	Time Taken	Stars Missed	Stars Missed
Day 1			
Day 2			
Day 3			
Day 4			
Day 5			
Day 6			
Day 7			
Average			



Day 08

Mental Calculation	Time Taken:	Stars Missed:
star 82 - 24 =	star 39 + 5 =	star 100 - 53 =
star 100 - 48 =	star 59 + 29 =	star 79 - 59 =
star 73 - 61 =	star 89 - 47 =	star 61 - 25 =
star 79 - 37 =	star 7 + 4 =	star 17 + 29 =
star 27 + 8 =	star 81 - 13 =	star 77 - 20 =
star 13 + 39 =	star 6 + 18 =	star 86 - 54 =
star 53 + 18 =	star 95 - 36 =	star 29 + 59 =
star 99 - 26 =	star 43 + 7 =	star 18 + 16 =

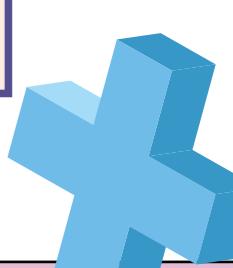
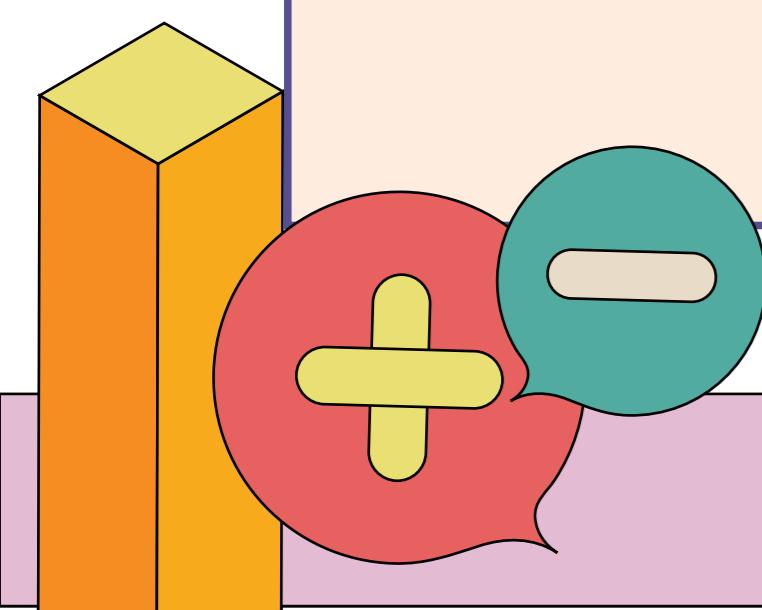
Written Calculation		
star 111 + 601 = $\begin{array}{r} 111 \\ + 601 \\ \hline \end{array}$	star 619 + 239 = $\begin{array}{r} 619 \\ + 239 \\ \hline \end{array}$	star 885 - 427 = $\begin{array}{r} 885 \\ - 427 \\ \hline \end{array}$
star 989 - 234 = $\begin{array}{r} 989 \\ - 234 \\ \hline \end{array}$	star 817 - 100 = $\begin{array}{r} 817 \\ - 100 \\ \hline \end{array}$	star 450 + 294 = $\begin{array}{r} 450 \\ + 294 \\ \hline \end{array}$

Review & Learn

Catch the missed star stars - try those questions again!



Caught all the stars?
COLOUR in this mega-star as a reward!



Day 09

Mental Calculation	Time Taken:	Stars Missed:
star 66 - 34 =	star 86 - 63 =	star 49 + 41 =
star 66 - 28 =	star 80 - 57 =	star 98 - 26 =
star 28 + 8 =	star 19 + 14 =	star 57 + 15 =
star 84 - 71 =	star 4 + 16 =	star 90 - 44 =
star 26 + 15 =	star 88 - 35 =	star 98 - 31 =
star 19 + 8 =	star 67 - 42 =	star 98 - 20 =
star 37 + 35 =	star 3 + 38 =	star 97 - 31 =
star 71 - 11 =	star 97 - 34 =	star 99 - 38 =

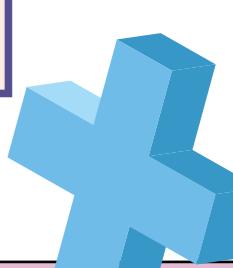
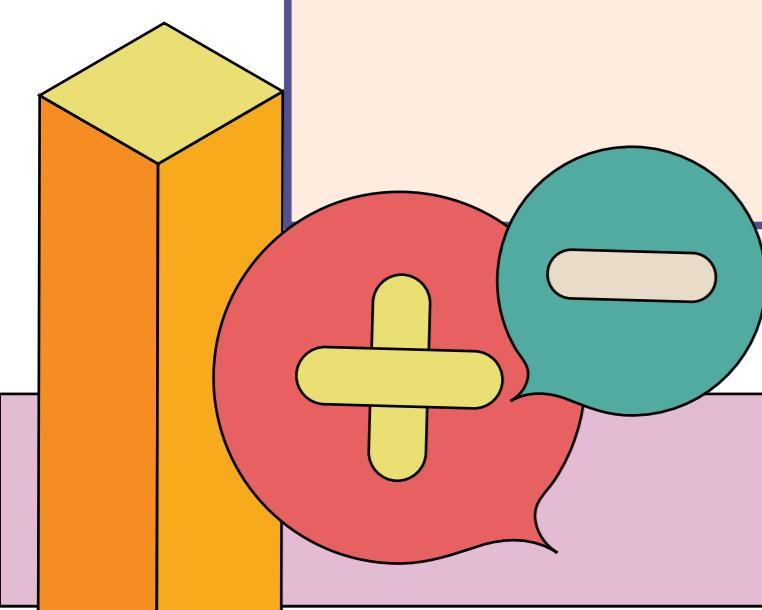
Written Calculation		
star 104 + 101 = 104 + 101 _____	star 822 - 130 = 822 - 130 _____	star 141 + 291 = 141 + 291 _____
star 227 + 288 = 227 + 288 _____	star 117 + 879 = 117 + 879 _____	star 935 - 631 = 935 - 631 _____

Review & Learn

Catch the missed star stars - try those questions again!



Caught all the stars?
COLOUR in this mega-star as a reward!



Day 10

Mental Calculation	Time Taken:	Stars Missed:
star 74 - 20 =	star 73 - 52 =	star 36 + 15 =
star 75 - 43 =	star 11 + 19 =	star 76 - 40 =
star 3 + 48 =	star 77 - 22 =	star 27 + 48 =
star 83 - 53 =	star 73 - 14 =	star 46 + 28 =
star 97 - 51 =	star 14 + 28 =	star 90 - 33 =
star 99 - 73 =	star 13 + 57 =	star 95 - 16 =
star 76 - 58 =	star 7 + 29 =	star 64 - 18 =
star 35 + 8 =	star 25 + 17 =	star 52 - 26 =

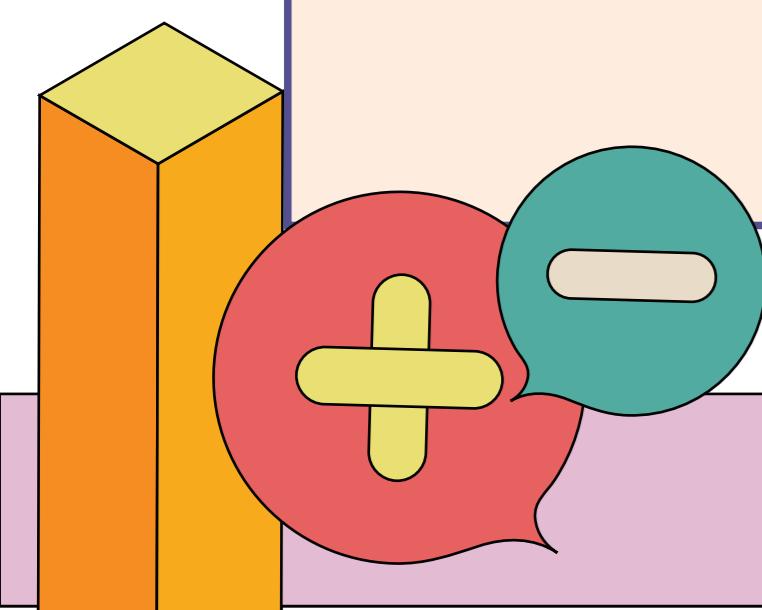
Written Calculation		
star 992 - 825 = $\begin{array}{r} 992 \\ - 825 \\ \hline \end{array}$	star 272 + 145 = $\begin{array}{r} 272 \\ + 145 \\ \hline \end{array}$	star 513 - 218 = $\begin{array}{r} 513 \\ - 218 \\ \hline \end{array}$
star 612 - 213 = $\begin{array}{r} 612 \\ - 213 \\ \hline \end{array}$	star 385 + 219 = $\begin{array}{r} 385 \\ + 219 \\ \hline \end{array}$	star 453 + 368 = $\begin{array}{r} 453 \\ + 368 \\ \hline \end{array}$

Review & Learn

Catch the missed star stars - try those questions again!



Caught all the stars?
COLOUR in this mega-star as a reward!



Day 11

Mental Calculation	Time Taken:	Stars Missed:
star 72 ÷ 6 =	star 30 ÷ 6 =	star 11 × 4 =
star 32 ÷ 4 =	star 66 ÷ 6 =	star 4 × 7 =
star 63 ÷ 7 =	star 80 ÷ 10 =	star 9 × 5 =
star 90 ÷ 10 =	star 60 ÷ 10 =	star 9 × 7 =
star 40 ÷ 10 =	star 7 × 5 =	star 64 ÷ 8 =
star 44 ÷ 11 =	star 5 × 4 =	star 96 ÷ 8 =
star 84 ÷ 7 =	star 54 ÷ 9 =	star 10 × 5 =
star 40 ÷ 10 =	star 144 ÷ 12 =	star 9 × 3 =

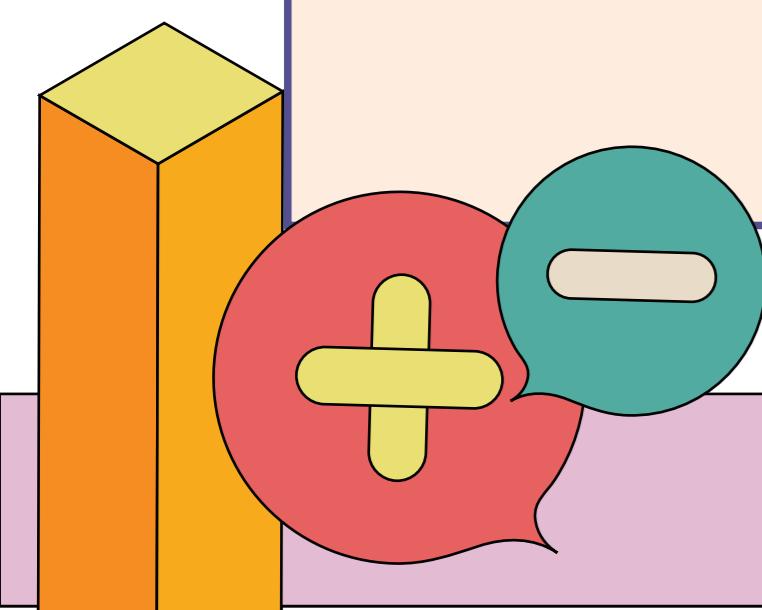
Written Calculation		
star 207 × 3 = 207 × 3 ____	star 247 × 3 = 247 × 3 ____	star 253 × 3 = 253 × 3 ____
star 191 × 5 = 191 × 5 ____	star 222 × 4 = 222 × 4 ____	star 104 × 4 = 104 × 4 ____

Review & Learn

Catch the missed star stars - try those questions again!



Caught all the stars?
COLOUR in this mega-star as a reward!



Day 12

Mental Calculation	Time Taken:	Stars Missed:
6 × 8 =	9 × 10 =	4 × 7 =
110 ÷ 10 =	4 × 11 =	4 × 12 =
9 × 5 =	8 × 2 =	63 ÷ 7 =
120 ÷ 12 =	45 ÷ 5 =	10 × 10 =
80 ÷ 10 =	10 × 2 =	60 ÷ 6 =
7 × 12 =	64 ÷ 8 =	6 × 4 =
24 ÷ 6 =	7 × 5 =	120 ÷ 12 =
80 ÷ 10 =	9 × 3 =	9 × 7 =

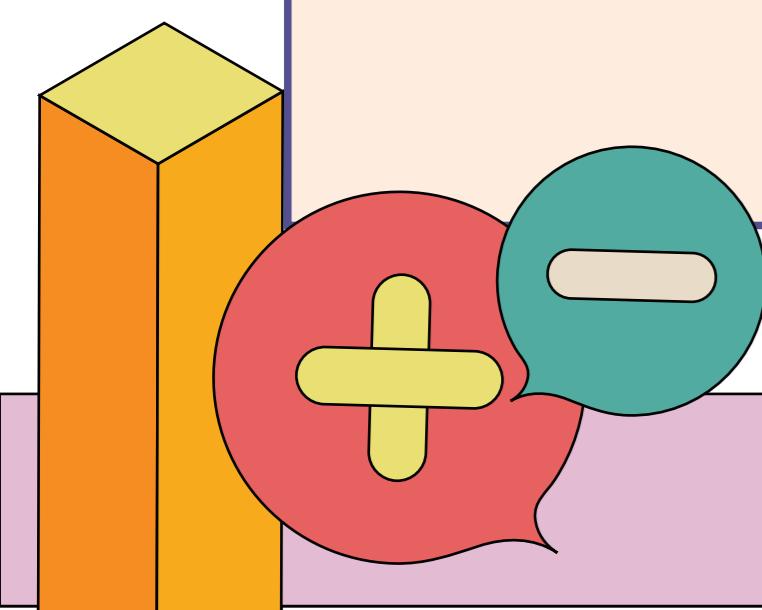
Written Calculation		
273 × 3 =	281 × 3 =	212 × 4 =
$ \begin{array}{r} 273 \\ \times 3 \\ \hline \end{array} $	$ \begin{array}{r} 281 \\ \times 3 \\ \hline \end{array} $	$ \begin{array}{r} 212 \\ \times 4 \\ \hline \end{array} $
172 × 4 =	257 × 3 =	110 × 5 =
$ \begin{array}{r} 172 \\ \times 4 \\ \hline \end{array} $	$ \begin{array}{r} 257 \\ \times 3 \\ \hline \end{array} $	$ \begin{array}{r} 110 \\ \times 5 \\ \hline \end{array} $

Review & Learn

Catch the missed  stars - try those questions again!



Caught all the stars?
COLOUR in this mega-star as a reward!



Day 13

Mental Calculation	Time Taken:	Stars Missed:
5 × 12 =	3 × 12 =	9 × 4 =
12 × 3 =	54 ÷ 9 =	132 ÷ 11 =
10 × 5 =	70 ÷ 10 =	6 × 9 =
10 × 2 =	60 ÷ 6 =	80 ÷ 10 =
24 ÷ 6 =	72 ÷ 6 =	60 ÷ 5 =
8 × 7 =	2 × 5 =	63 ÷ 7 =
45 ÷ 5 =	11 × 4 =	12 × 3 =
48 ÷ 4 =	144 ÷ 12 =	4 × 12 =

Written Calculation		
134 × 3 =	294 × 3 =	283 × 3 =
$ \begin{array}{r} 134 \\ \times 3 \\ \hline \end{array} $	$ \begin{array}{r} 294 \\ \times 3 \\ \hline \end{array} $	$ \begin{array}{r} 283 \\ \times 3 \\ \hline \end{array} $

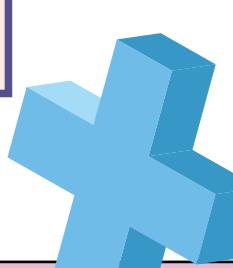
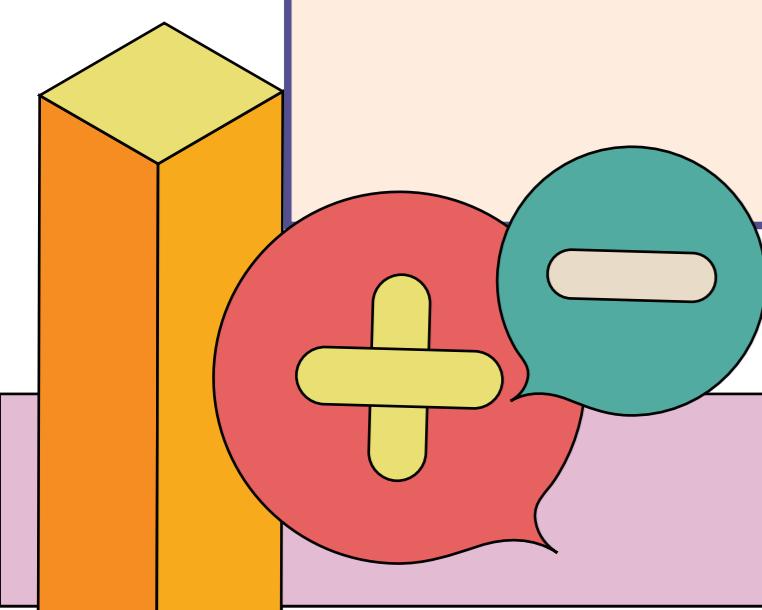
Written Calculation		
114 × 4 =	102 × 4 =	183 × 5 =
$ \begin{array}{r} 114 \\ \times 4 \\ \hline \end{array} $	$ \begin{array}{r} 102 \\ \times 4 \\ \hline \end{array} $	$ \begin{array}{r} 183 \\ \times 5 \\ \hline \end{array} $

Review & Learn

Catch the missed  stars - try those questions again!



Caught all the stars?
COLOUR in this mega-star as a reward!



Day 14

Mental Calculation	Time Taken:	Stars Missed:
12 × 8 =	36 ÷ 6 =	63 ÷ 9 =
9 × 8 =	36 ÷ 6 =	36 ÷ 6 =
72 ÷ 9 =	63 ÷ 7 =	11 × 3 =
40 ÷ 8 =	8 × 2 =	80 ÷ 10 =
9 × 2 =	8 × 4 =	60 ÷ 5 =
88 ÷ 11 =	9 × 7 =	9 × 7 =
88 ÷ 8 =	7 × 10 =	5 × 10 =
132 ÷ 11 =	8 × 7 =	9 × 2 =

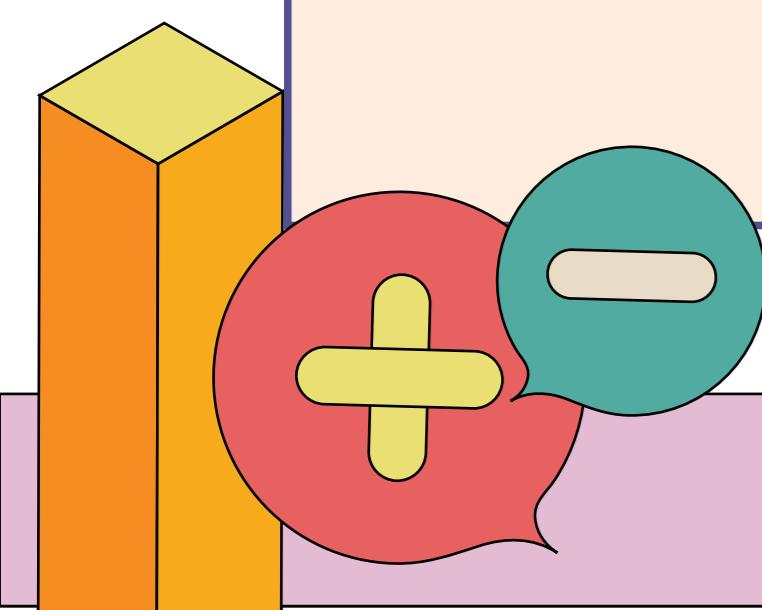
Written Calculation		
100 × 5 =	155 × 3 =	113 × 8 =
$ \begin{array}{r} 100 \\ \times 5 \\ \hline \end{array} $	$ \begin{array}{r} 155 \\ \times 3 \\ \hline \end{array} $	$ \begin{array}{r} 113 \\ \times 8 \\ \hline \end{array} $
127 × 4 =	238 × 3 =	142 × 7 =
$ \begin{array}{r} 127 \\ \times 4 \\ \hline \end{array} $	$ \begin{array}{r} 238 \\ \times 3 \\ \hline \end{array} $	$ \begin{array}{r} 142 \\ \times 7 \\ \hline \end{array} $

Review & Learn

Catch the missed  stars - try those questions again!



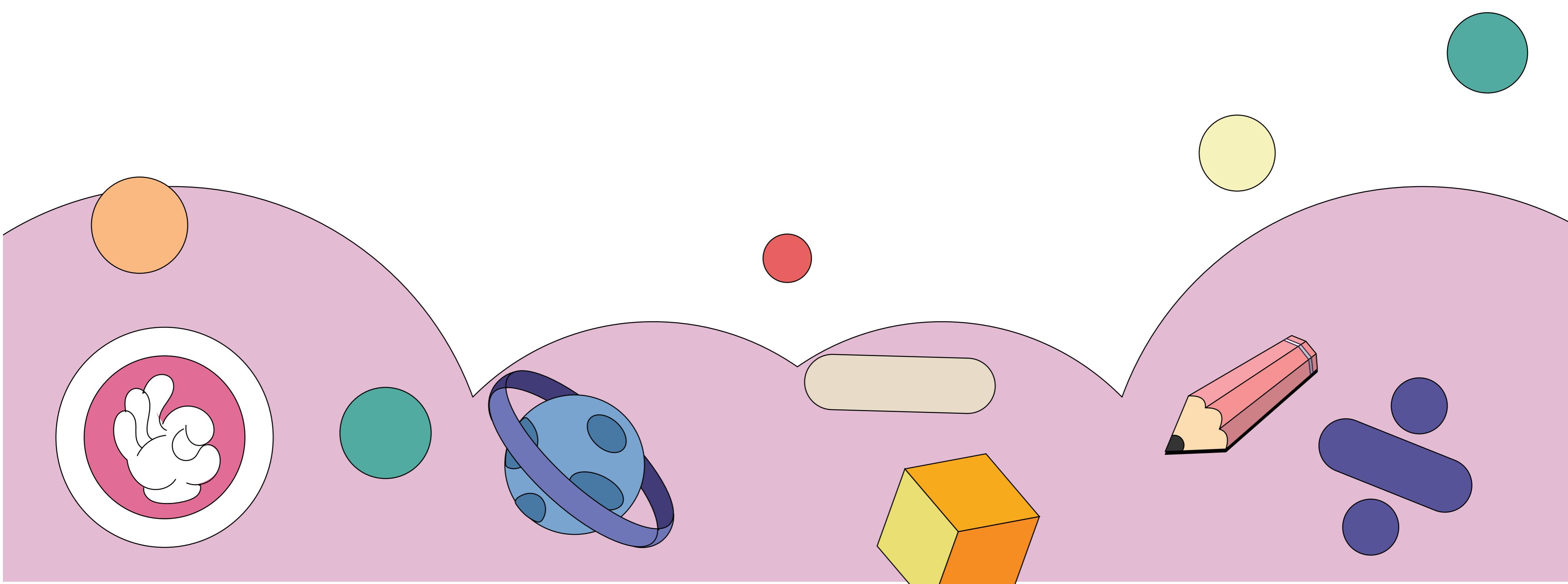
Caught all the stars?
COLOUR in this mega-star as a reward!



Weekly Recap

It's been one week, how did you do?

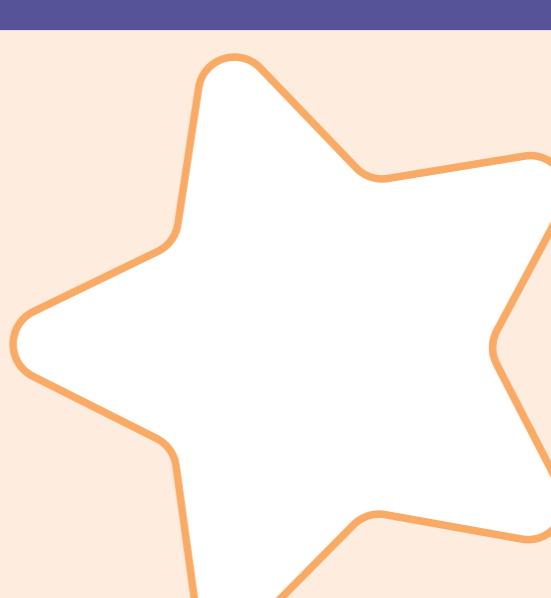
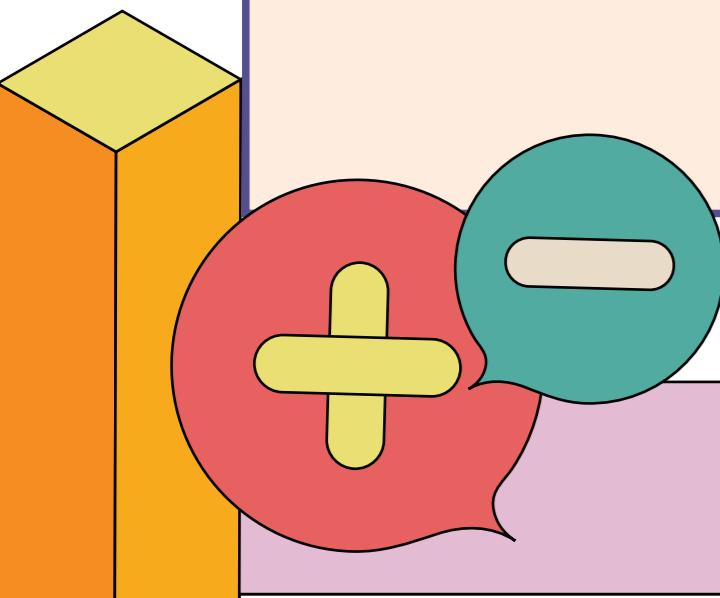
	Mental Calculation		Written Calculation
	Time Taken	Stars Missed	Stars Missed
Day 1			
Day 2			
Day 3			
Day 4			
Day 5			
Day 6			
Day 7			
Average			



Day 15

Mental Calculation	Time Taken:	Stars Missed:
★ $9 \times 7 =$	★ $120 \div 12 =$	★ $63 \div 9 =$
★ $21 \div 7 =$	★ $10 \times 7 =$	★ $6 \times 4 =$
★ $12 \times 7 =$	★ $84 \div 12 =$	★ $60 \div 5 =$
★ $36 \div 9 =$	★ $24 \div 4 =$	★ $6 \times 6 =$
★ $99 \div 11 =$	★ $11 \times 3 =$	★ $12 \times 4 =$
★ $40 \div 8 =$	★ $3 \times 5 =$	★ $8 \times 4 =$
★ $4 \times 6 =$	★ $7 \times 10 =$	★ $90 \div 10 =$
★ $10 \times 7 =$	★ $10 \times 5 =$	★ $4 \times 7 =$

Written Calculation		
★ $230 \times 3 =$ $ \begin{array}{r} 230 \\ \times 3 \\ \hline \end{array} $	★ $218 \times 4 =$ $ \begin{array}{r} 218 \\ \times 4 \\ \hline \end{array} $	★ $241 \times 4 =$ $ \begin{array}{r} 241 \\ \times 4 \\ \hline \end{array} $
★ $144 \times 6 =$ $ \begin{array}{r} 144 \\ \times 6 \\ \hline \end{array} $	★ $129 \times 4 =$ $ \begin{array}{r} 129 \\ \times 4 \\ \hline \end{array} $	★ $156 \times 6 =$ $ \begin{array}{r} 156 \\ \times 6 \\ \hline \end{array} $

Review & Learn
<p>Catch the missed ★ stars - try those questions again!</p>  <p>Caught all the stars? COLOUR in this mega-star as a reward!</p> 

Day 16

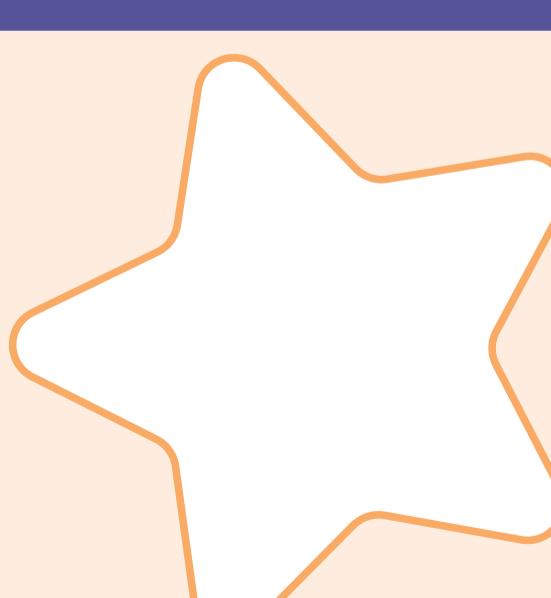
Mental Calculation	Time Taken:	Stars Missed:
6 × 2 =	4 × 12 =	45 ÷ 9 =
3 × 10 =	40 ÷ 8 =	77 ÷ 7 =
32 ÷ 4 =	2 × 10 =	9 × 6 =
12 × 4 =	9 × 5 =	80 ÷ 10 =
3 × 5 =	8 × 5 =	120 ÷ 10 =
60 ÷ 12 =	5 × 7 =	9 × 3 =
88 ÷ 8 =	90 ÷ 9 =	8 × 10 =
110 ÷ 10 =	6 × 4 =	36 ÷ 6 =

Written Calculation		
145 × 4 =	163 × 4 =	110 × 6 =
$ \begin{array}{r} 145 \\ \times 4 \\ \hline \end{array} $	$ \begin{array}{r} 163 \\ \times 4 \\ \hline \end{array} $	$ \begin{array}{r} 110 \\ \times 6 \\ \hline \end{array} $

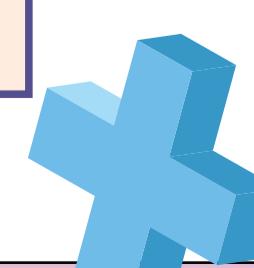
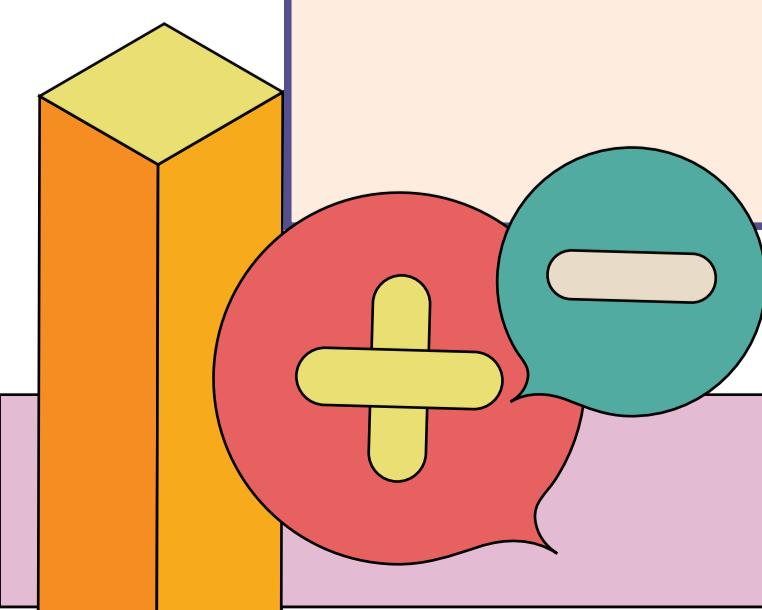
Written Calculation		
104 × 4 =	238 × 3 =	166 × 5 =
$ \begin{array}{r} 104 \\ \times 4 \\ \hline \end{array} $	$ \begin{array}{r} 238 \\ \times 3 \\ \hline \end{array} $	$ \begin{array}{r} 166 \\ \times 5 \\ \hline \end{array} $

Review & Learn

Catch the missed  stars - try those questions again!



Caught all the stars?
COLOUR in this mega-star as a reward!



Day 17

Mental Calculation	Time Taken:	Stars Missed:
36 ÷ 3 =	3 × 9 =	7 × 4 =
48 ÷ 6 =	99 ÷ 11 =	40 ÷ 5 =
21 ÷ 7 =	36 ÷ 4 =	12 × 3 =
8 × 2 =	77 ÷ 7 =	11 × 3 =
8 × 5 =	54 ÷ 6 =	5 × 7 =
3 × 5 =	3 × 12 =	9 × 7 =
12 × 3 =	9 × 5 =	24 ÷ 6 =
63 ÷ 7 =	6 × 4 =	2 × 6 =

Written Calculation		
204 × 4 =	149 × 6 =	139 × 7 =
$ \begin{array}{r} 204 \\ \times 4 \\ \hline \end{array} $	$ \begin{array}{r} 149 \\ \times 6 \\ \hline \end{array} $	$ \begin{array}{r} 139 \\ \times 7 \\ \hline \end{array} $

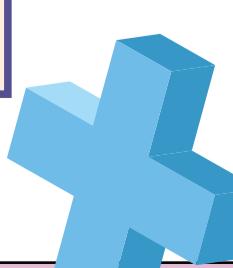
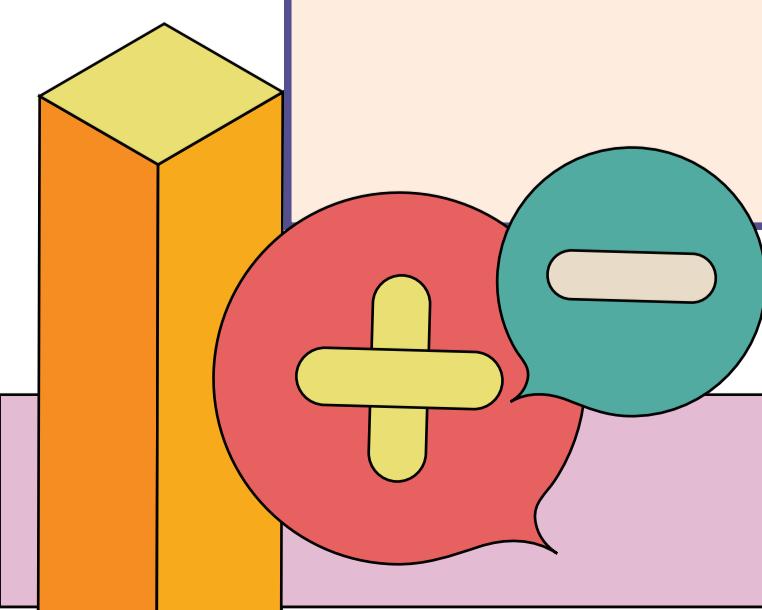
Written Calculation		
184 × 5 =	109 × 6 =	136 × 5 =
$ \begin{array}{r} 184 \\ \times 5 \\ \hline \end{array} $	$ \begin{array}{r} 109 \\ \times 6 \\ \hline \end{array} $	$ \begin{array}{r} 136 \\ \times 5 \\ \hline \end{array} $

Review & Learn

Catch the missed  stars - try those questions again!



Caught all the stars?
COLOUR in this mega-star as a reward!



Day 18

Mental Calculation	Time Taken:	Stars Missed:
star 40 ÷ 5 =	star 9 × 3 =	star 5 × 7 =
star 32 ÷ 4 =	star 63 ÷ 7 =	star 3 × 12 =
star 120 ÷ 12 =	star 9 × 2 =	star 8 × 4 =
star 90 ÷ 9 =	star 30 ÷ 10 =	star 4 × 5 =
star 6 × 8 =	star 5 × 6 =	star 2 × 5 =
star 54 ÷ 6 =	star 9 × 8 =	star 9 × 7 =
star 5 × 12 =	star 8 × 2 =	star 11 × 5 =
star 5 × 11 =	star 66 ÷ 6 =	star 48 ÷ 6 =

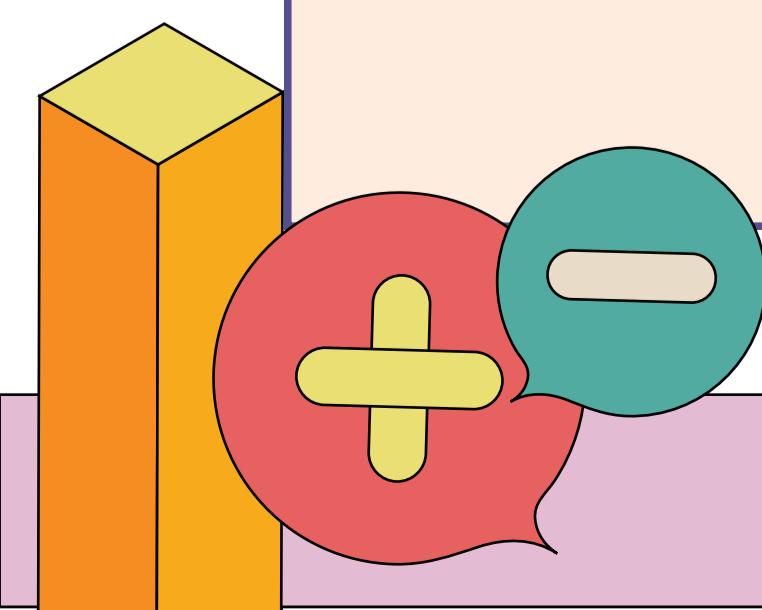
Written Calculation		
star 241 × 3 = 241 × 3 _____	star 182 × 3 = 182 × 3 _____	star 194 × 5 = 194 × 5 _____
star 193 × 3 = 193 × 3 _____	star 118 × 6 = 118 × 6 _____	star 257 × 3 = 257 × 3 _____

Review & Learn

Catch the missed star stars - try those questions again!



Caught all the stars?
COLOUR in this mega-star as a reward!

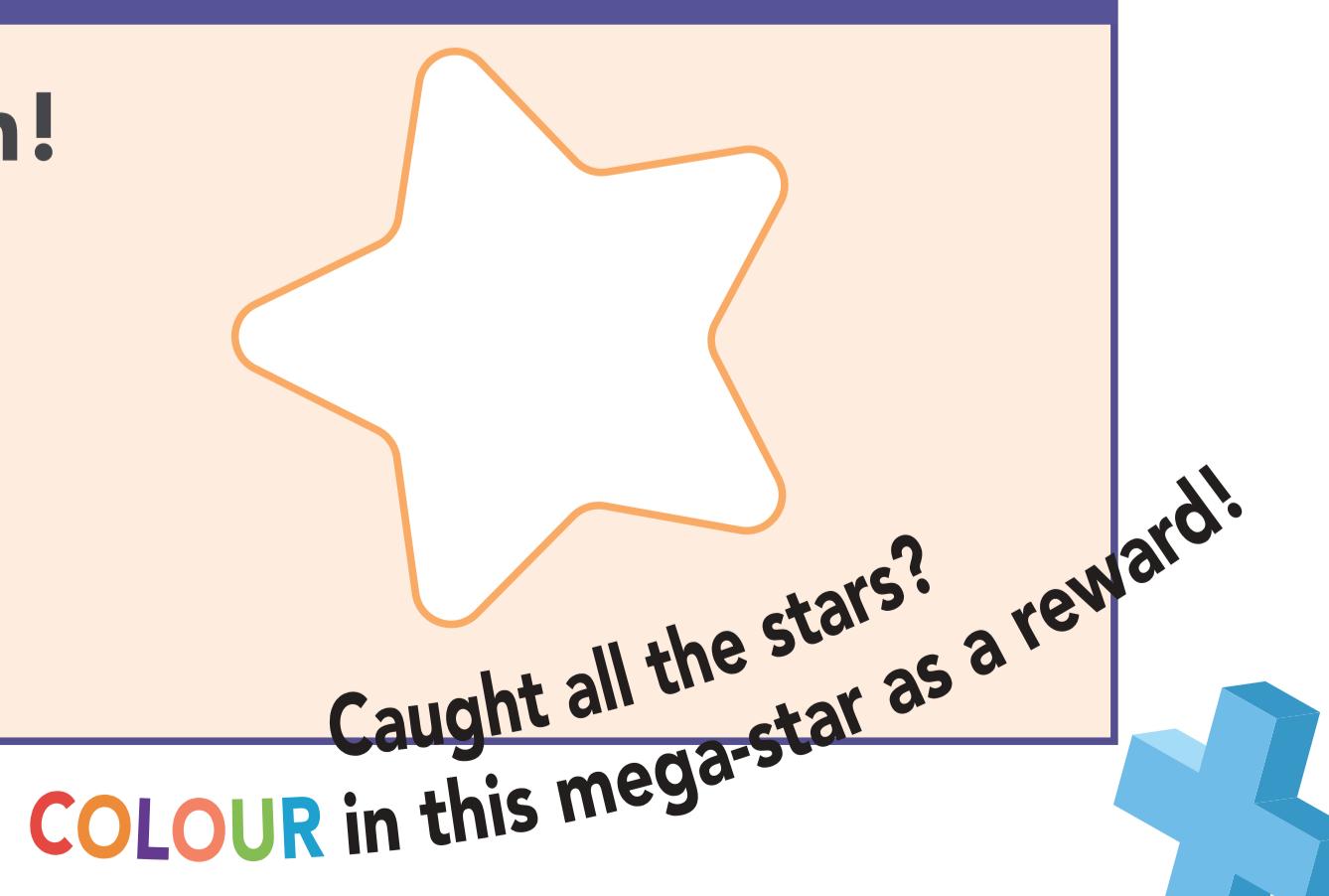


Day 19

Mental Calculation	Time Taken:	Stars Missed:
84 ÷ 7 =	99 ÷ 11 =	60 ÷ 12 =
4 × 3 =	4 × 12 =	6 × 6 =
9 × 5 =	36 ÷ 6 =	30 ÷ 10 =
132 ÷ 12 =	48 ÷ 12 =	24 ÷ 6 =
55 ÷ 11 =	5 × 6 =	3 × 5 =
9 × 7 =	6 × 4 =	6 × 9 =
50 ÷ 5 =	50 ÷ 10 =	80 ÷ 10 =
48 ÷ 6 =	7 × 4 =	40 ÷ 5 =

Written Calculation		
183 × 3 =	182 × 5 =	113 × 4 =
$ \begin{array}{r} 183 \\ \times 3 \\ \hline \end{array} $	$ \begin{array}{r} 182 \\ \times 5 \\ \hline \end{array} $	$ \begin{array}{r} 113 \\ \times 4 \\ \hline \end{array} $

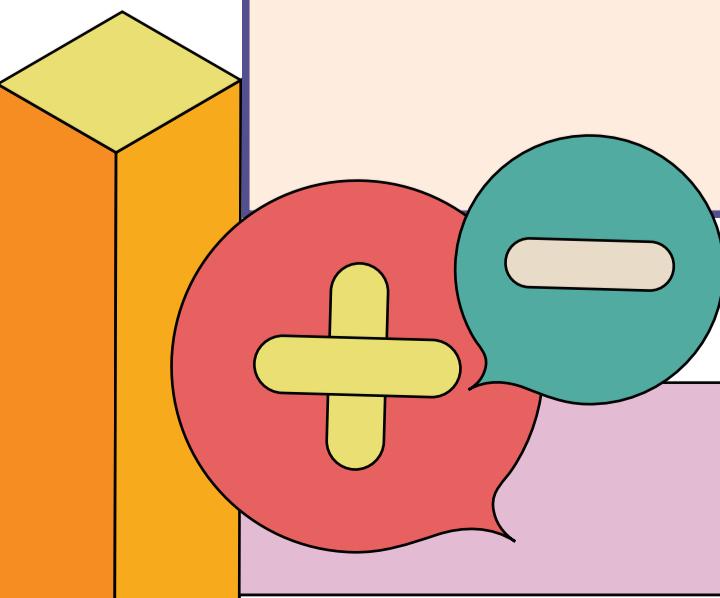
Review & Learn
Catch the missed  stars - try those questions again!



Day **20**

Mental Calculation	Time Taken:	Stars Missed:
star 21 ÷ 7 =	star 6 × 6 =	star 60 ÷ 5 =
star 3 × 4 =	star 7 × 10 =	star 110 ÷ 10 =
star 63 ÷ 9 =	star 8 × 3 =	star 4 × 11 =
star 84 ÷ 7 =	star 120 ÷ 12 =	star 88 ÷ 11 =
star 24 ÷ 4 =	star 6 × 9 =	star 10 × 6 =
star 9 × 7 =	star 84 ÷ 7 =	star 11 × 3 =
star 3 × 12 =	star 80 ÷ 10 =	star 9 × 6 =
star 36 ÷ 6 =	star 30 ÷ 10 =	star 40 ÷ 8 =

Written Calculation		
star $100 \times 6 =$ $\begin{array}{r} 100 \\ \times 6 \\ \hline \end{array}$	star $116 \times 5 =$ $\begin{array}{r} 116 \\ \times 5 \\ \hline \end{array}$	star $100 \times 5 =$ $\begin{array}{r} 100 \\ \times 5 \\ \hline \end{array}$
star $269 \times 3 =$ $\begin{array}{r} 269 \\ \times 3 \\ \hline \end{array}$	star $128 \times 4 =$ $\begin{array}{r} 128 \\ \times 4 \\ \hline \end{array}$	star $120 \times 8 =$ $\begin{array}{r} 120 \\ \times 8 \\ \hline \end{array}$

Review & Learn
Catch the missed star stars - try those questions again!  Caught all the stars? COLOUR in this mega-star as a reward! 

Day **21**

Mental Calculation	Time Taken:	Stars Missed:
★ $(\) \times 3 = 12$	★ $(\) \times 12 = 96$	★ $(\) \div 9 = 3$
★ $84 \div (\) = 12$	★ $(\) \div 11 = 7$	★ $72 \div (\) = 12$
★ $12 \times (\) = 36$	★ $8 \times (\) = 96$	★ $40 \div (\) = 4$
★ $(\) \times 12 = 36$	★ $(\) \times 5 = 20$	★ $6 \times (\) = 42$
★ $(\) \times 8 = 88$	★ $96 \div (\) = 12$	★ $(\) \times 4 = 28$
★ $(\) \div 5 = 12$	★ $(\) \div 9 = 8$	★ $(\) \div 6 = 7$
★ $(\) \times 3 = 30$	★ $42 \div (\) = 7$	★ $60 \div (\) = 10$
★ $90 \div (\) = 9$	★ $(\) \div 6 = 8$	★ $(\) \times 6 = 60$

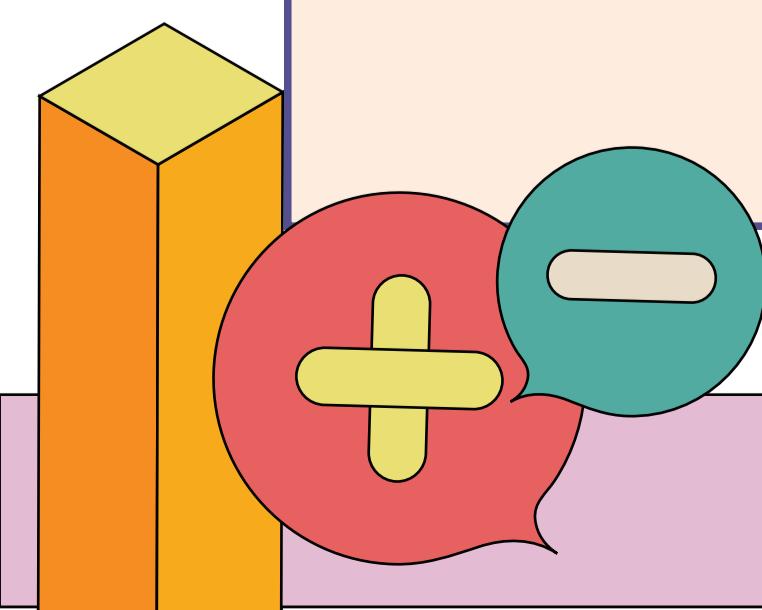
Written Calculation			
★ $516 \div 3 =$ $3 \sqrt{516}$	★ $888 \div 2 =$ $2 \sqrt{888}$	★ $575 \div 5 =$ $5 \sqrt{575}$	★ $624 \div 6 =$ $6 \sqrt{624}$

Review & Learn

Catch the missed ★ stars - try those questions again!



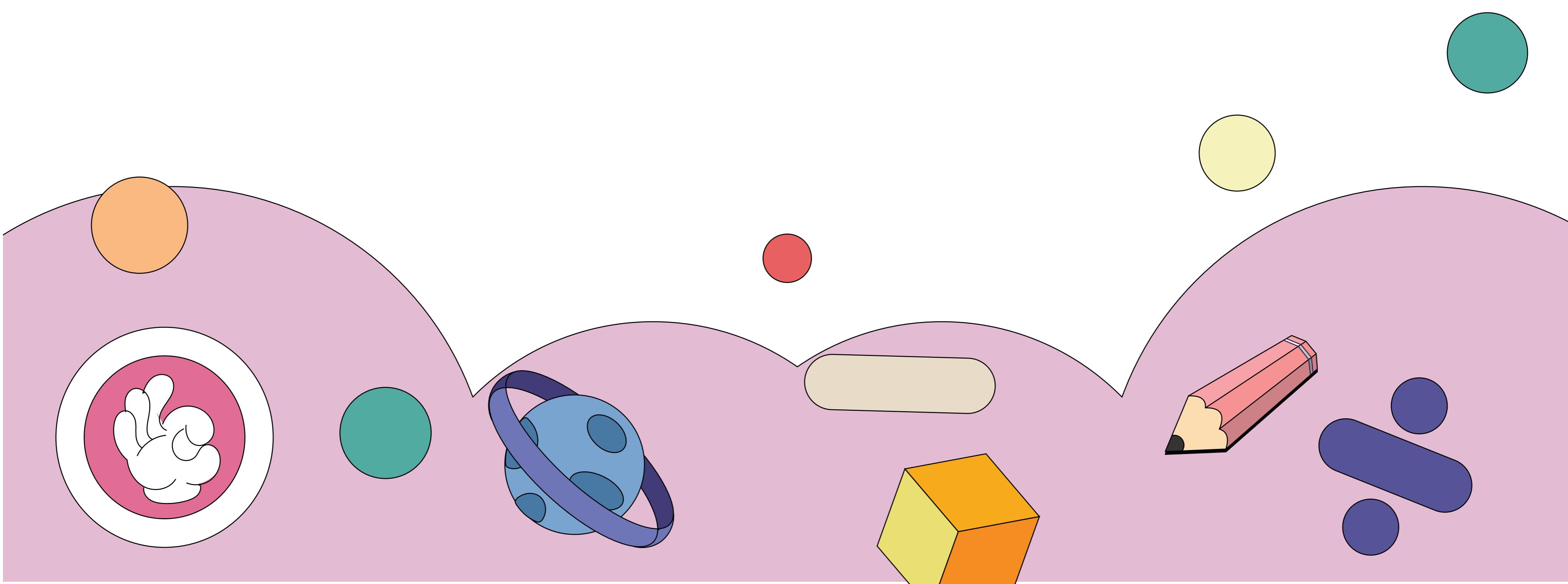
Caught all the stars?
COLOUR in this mega-star as a reward!



Weekly Recap

It's been one week, how did you do?

	Mental Calculation		Written Calculation
	Time Taken	Stars Missed	Stars Missed
Day 1			
Day 2			
Day 3			
Day 4			
Day 5			
Day 6			
Day 7			
Average			



Day **22**

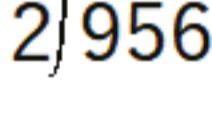
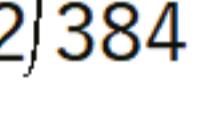
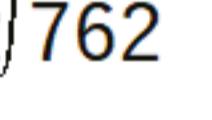
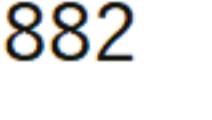
Mental Calculation	Time Taken:	Stars Missed:
★ $36 \div (\) = 4$	★ $60 \div (\) = 12$	★ $3 \times (\) = 12$
★ $() \div 6 = 4$	★ $96 \div (\) = 12$	★ $22 \div (\) = 11$
★ $() \div 2 = 12$	★ $18 \div (\) = 6$	★ $() \times 6 = 66$
★ $44 \div (\) = 4$	★ $66 \div (\) = 6$	★ $() \times 9 = 45$
★ $84 \div (\) = 7$	★ $() \times 7 = 70$	★ $70 \div (\) = 10$
★ $30 \div (\) = 3$	★ $() \div 12 = 7$	★ $() \times 6 = 48$
★ $22 \div (\) = 11$	★ $11 \times (\) = 99$	★ $() \times 7 = 56$
★ $15 \div (\) = 5$	★ $5 \times (\) = 50$	★ $8 \times (\) = 40$

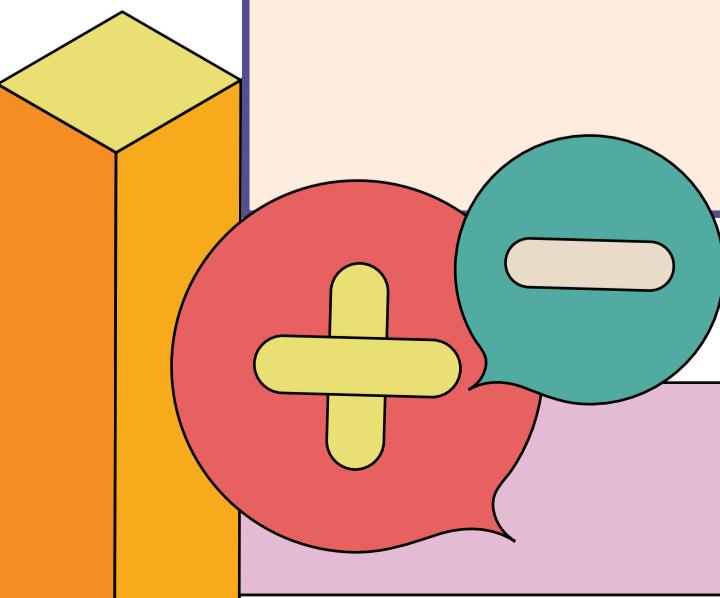
Written Calculation			
★ $555 \div 3 =$ 3 $\overline{)555}$	★ $230 \div 5 =$ 5 $\overline{)230}$	★ $427 \div 7 =$ 7 $\overline{)427}$	★ $504 \div 9 =$ 9 $\overline{)504}$

Review & Learn	
Catch the missed ★ stars - try those questions again!	 Caught all the stars? COLOUR in this mega-star as a reward!

Day **23**

Mental Calculation	Time Taken:	Stars Missed:
★ $(\) \div 8 = 6$	★ $8 \times (\) = 48$	★ $(\) \times 12 = 72$
★ $9 \times (\) = 81$	★ $3 \times (\) = 36$	★ $(\) \div 6 = 5$
★ $(\) \div 4 = 8$	★ $(\) \times 5 = 20$	★ $(\) \div 2 = 8$
★ $(\) \div 11 = 4$	★ $(\) \times 3 = 18$	★ $4 \times (\) = 32$
★ $6 \times (\) = 30$	★ $(\) \times 12 = 84$	★ $(\) \times 8 = 56$
★ $77 \div (\) = 7$	★ $(\) \times 3 = 27$	★ $9 \times (\) = 90$
★ $44 \div (\) = 4$	★ $(\) \times 9 = 99$	★ $(\) \div 5 = 6$
★ $72 \div (\) = 6$	★ $(\) \times 9 = 54$	★ $(\) \times 10 = 60$

Written Calculation			
★ $956 \div 2 =$ 	★ $384 \div 2 =$ 	★ $762 \div 2 =$ 	★ $882 \div 7 =$ 

Review & Learn
<p>Catch the missed ★ stars - try those questions again!</p>  <p>Caught all the stars? COLOUR in this mega-star as a reward!</p> 

Day **24**

Mental Calculation	Time Taken:	Stars Missed:
⭐ () ÷ 10 = 9	⭐ () ÷ 3 = 12	⭐ 77 ÷ () = 7
⭐ 77 ÷ () = 11	⭐ () ÷ 5 = 12	⭐ 10 × () = 90
⭐ () ÷ 9 = 4	⭐ () ÷ 3 = 5	⭐ 6 × () = 72
⭐ () × 5 = 20	⭐ () × 8 = 64	⭐ 8 × () = 48
⭐ () × 4 = 12	⭐ 27 ÷ () = 9	⭐ 24 ÷ () = 4
⭐ 12 ÷ () = 3	⭐ 9 × () = 54	⭐ () × 3 = 21
⭐ () × 3 = 30	⭐ 12 × () = 96	⭐ () ÷ 7 = 6
⭐ 10 × () = 100	⭐ () ÷ 6 = 7	⭐ () ÷ 5 = 12

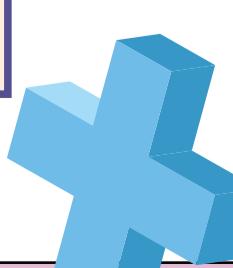
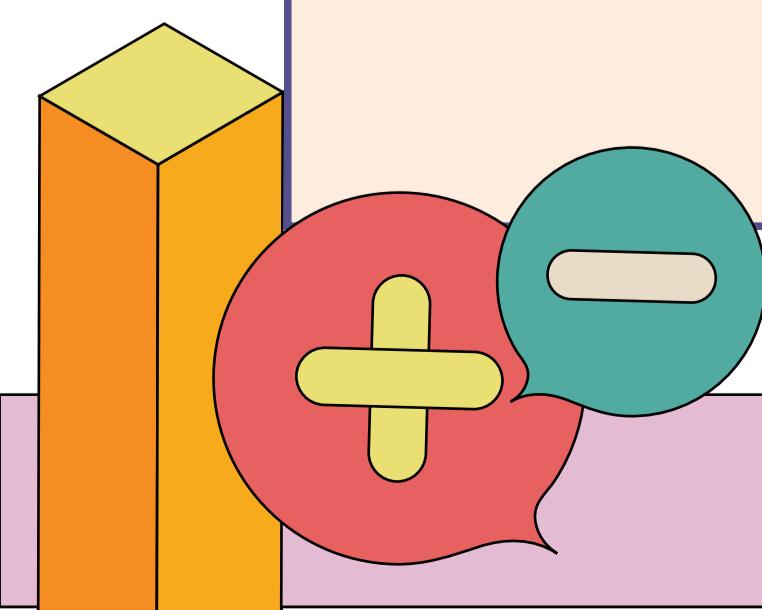
Written Calculation			
⭐ 808 ÷ 2 =	⭐ 813 ÷ 3 =	⭐ 595 ÷ 7 =	⭐ 894 ÷ 2 =
2/808	3/813	7/595	2/894

Review & Learn

Catch the missed ⭐ stars - try those questions again!



Caught all the stars?
COLOUR in this mega-star as a reward!



Day **25**

Mental Calculation	Time Taken:	Stars Missed:
★ $(\) \times 7 = 56$	★ $(\) \div 12 = 12$	★ $(\) \div 10 = 9$
★ $12 \times (\) = 84$	★ $(\) \times 8 = 56$	★ $(\) \times 4 = 24$
★ $11 \times (\) = 99$	★ $8 \times (\) = 72$	★ $(\) \times 4 = 28$
★ $5 \times (\) = 45$	★ $120 \div (\) = 10$	★ $(\) \div 3 = 8$
★ $(\) \times 11 = 77$	★ $36 \div (\) = 12$	★ $9 \times (\) = 63$
★ $(\) \times 7 = 42$	★ $11 \times (\) = 88$	★ $30 \div (\) = 3$
★ $(\) \div 6 = 3$	★ $66 \div (\) = 6$	★ $21 \div (\) = 3$
★ $25 \div (\) = 5$	★ $(\) \div 7 = 12$	★ $12 \div (\) = 4$

Written Calculation			
★ $824 \div 2 =$ $2\sqrt{824}$	★ $546 \div 3 =$ $3\sqrt{546}$	★ $990 \div 3 =$ $3\sqrt{990}$	★ $660 \div 2 =$ $2\sqrt{660}$

Review & Learn	
Catch the missed ★ stars - try those questions again!	 Caught all the stars? COLOUR in this mega-star as a reward!

Day **26**

Mental Calculation	Time Taken:	Stars Missed:
★ $11 \times (\) = 77$	★ $() \div 10 = 7$	★ $4 \times (\) = 48$
★ $121 \div (\) = 11$	★ $() \times 3 = 12$	★ $42 \div (\) = 7$
★ $40 \div (\) = 4$	★ $() \div 2 = 11$	★ $() \div 7 = 11$
★ $60 \div (\) = 12$	★ $60 \div (\) = 10$	★ $() \div 12 = 5$
★ $60 \div (\) = 6$	★ $() \times 8 = 48$	★ $3 \times (\) = 12$
★ $40 \div (\) = 8$	★ $12 \times (\) = 48$	★ $7 \times (\) = 63$
★ $() \div 12 = 6$	★ $() \times 3 = 24$	★ $30 \div (\) = 6$
★ $() \div 10 = 9$	★ $24 \div (\) = 6$	★ $() \times 8 = 32$

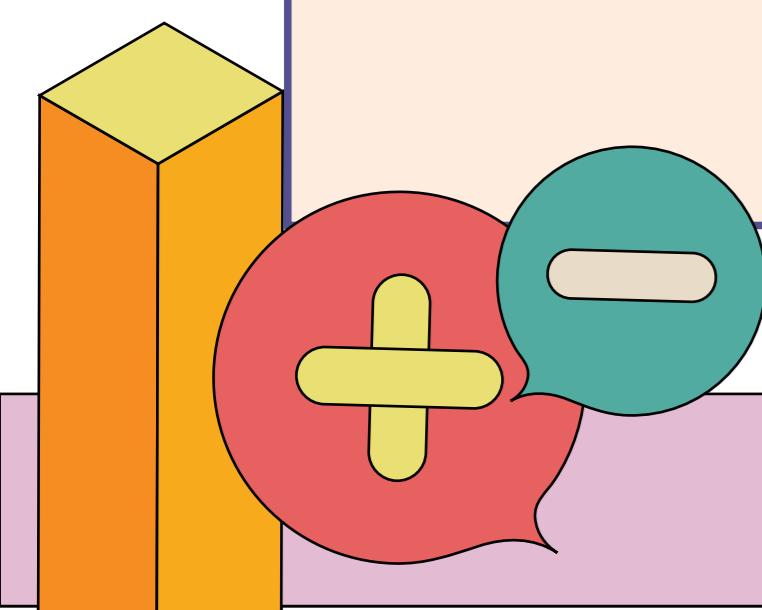
Written Calculation			
★ $860 \div 2 =$	★ $888 \div 6 =$	★ $760 \div 2 =$	★ $879 \div 3 =$
$2\sqrt{860}$	$6\sqrt{888}$	$2\sqrt{760}$	$3\sqrt{879}$

Review & Learn

Catch the missed ★ stars - try those questions again!



Caught all the stars?
COLOUR in this mega-star as a reward!



Mental Calculation	Time Taken:	Stars Missed:
⭐ () ÷ 9 = 11	⭐ 4 × () = 36	⭐ () ÷ 8 = 8
⭐ 4 × () = 16	⭐ 3 × () = 15	⭐ () ÷ 4 = 3
⭐ 24 ÷ () = 8	⭐ 5 × () = 35	⭐ 12 ÷ () = 6
⭐ 6 × () = 54	⭐ 55 ÷ () = 11	⭐ () ÷ 10 = 10
⭐ 3 × () = 36	⭐ () ÷ 11 = 6	⭐ 7 × () = 84
⭐ 5 × () = 45	⭐ () × 5 = 45	⭐ 36 ÷ () = 4
⭐ () × 6 = 42	⭐ () × 11 = 66	⭐ () × 10 = 30
⭐ 20 ÷ () = 5	⭐ 36 ÷ () = 6	⭐ 8 × () = 72

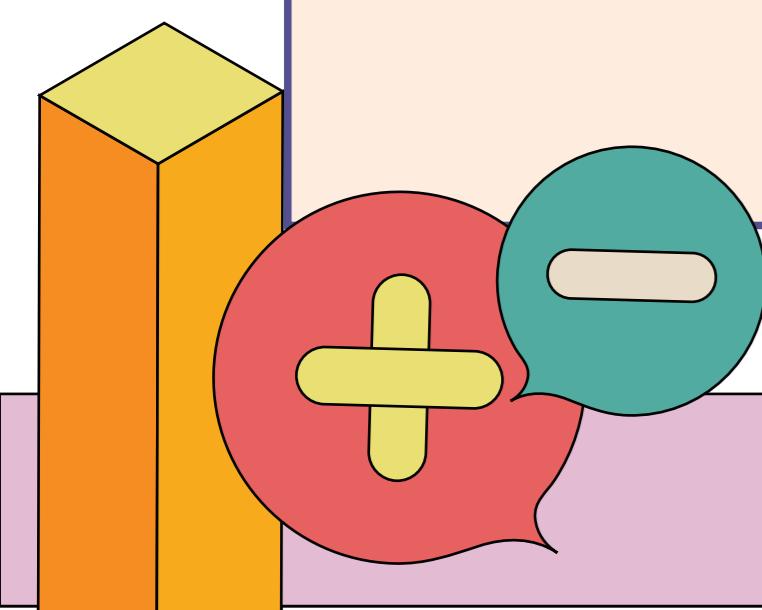
Written Calculation			
⭐ 802 ÷ 2 =	⭐ 144 ÷ 3 =	⭐ 810 ÷ 3 =	⭐ 852 ÷ 2 =
2\overline{)802}	3\overline{)144}	3\overline{)810}	2\overline{)852}

Review & Learn

Catch the missed ⭐ stars - try those questions again!



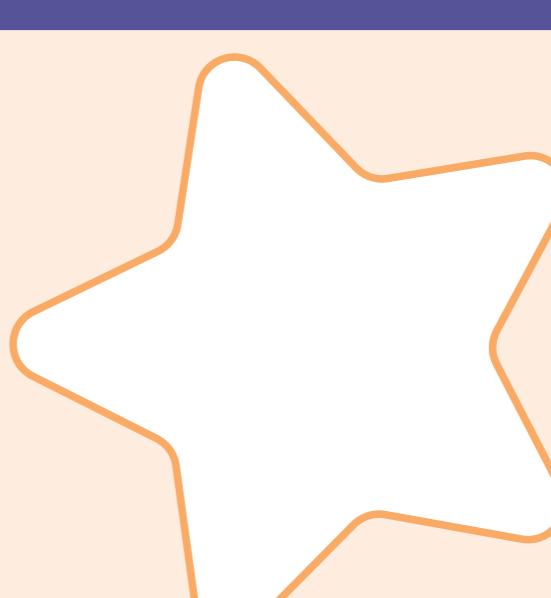
Caught all the stars?
COLOUR in this mega-star as a reward!



Day **28**

Mental Calculation	Time Taken:	Stars Missed:
★ $6 \times () = 72$	★ $() \div 5 = 7$	★ $() \div 7 = 5$
★ $108 \div () = 9$	★ $12 \times () = 84$	★ $11 \times () = 66$
★ $() \times 5 = 35$	★ $() \div 9 = 7$	★ $84 \div () = 7$
★ $96 \div () = 8$	★ $14 \div () = 7$	★ $90 \div () = 10$
★ $() \times 7 = 63$	★ $56 \div () = 7$	★ $36 \div () = 9$
★ $5 \times () = 60$	★ $63 \div () = 9$	★ $() \div 2 = 10$
★ $50 \div () = 10$	★ $() \times 6 = 60$	★ $6 \times () = 60$
★ $() \div 8 = 10$	★ $12 \times () = 60$	★ $() \times 9 = 90$

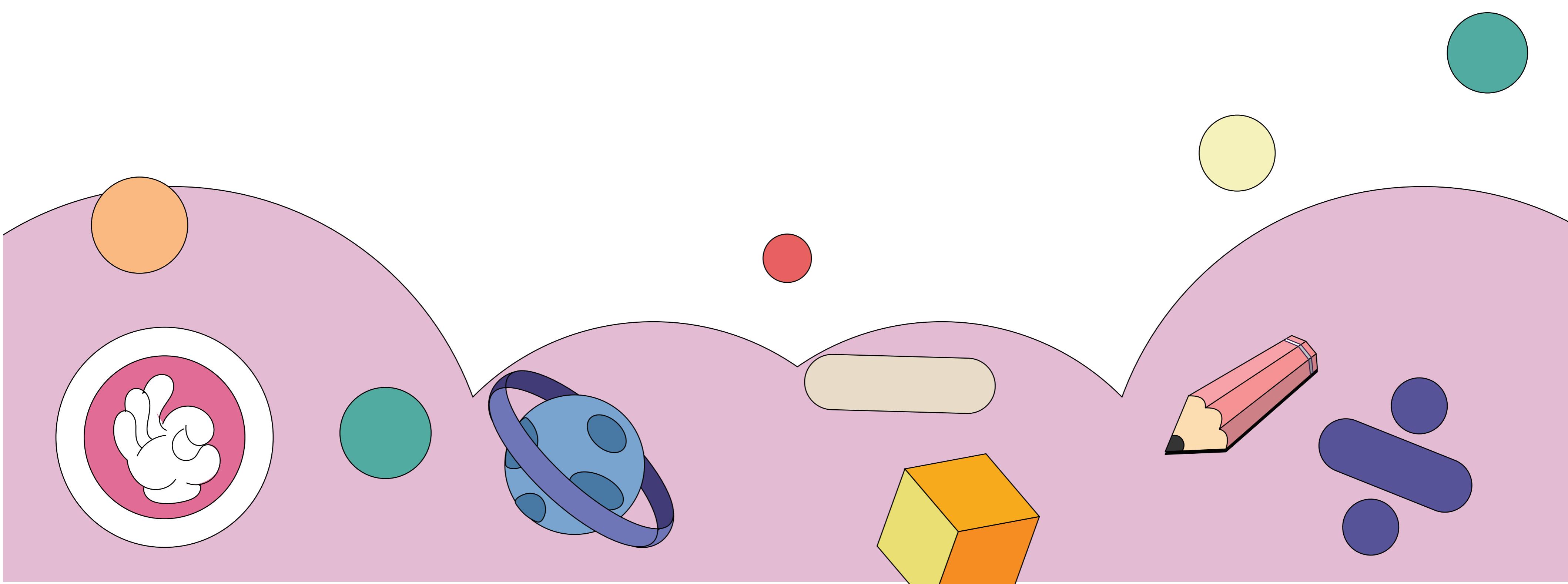
Written Calculation			
★ $460 \div 2 =$	★ $720 \div 3 =$	★ $768 \div 4 =$	★ $876 \div 6 =$
$2\sqrt{460}$	$3\sqrt{720}$	$4\sqrt{768}$	$6\sqrt{876}$

Review & Learn	
Catch the missed ★ stars - try those questions again!	 Caught all the stars? COLOUR in this mega-star as a reward!

Weekly Recap

It's been one week, how did you do?

	Mental Calculation		Written Calculation
	Time Taken	Stars Missed	Stars Missed
Day 1			
Day 2			
Day 3			
Day 4			
Day 5			
Day 6			
Day 7			
Average			



Day 29

Mental Calculation	Time Taken:	Stars Missed:
★ $50 \div (\) = 5$	★ $() \div 11 = 10$	★ $45 \div (\) = 9$
★ $30 \div (\) = 10$	★ $() \div 7 = 6$	★ $() \div 10 = 5$
★ $77 \div (\) = 11$	★ $() \div 10 = 10$	★ $() \div 4 = 10$
★ $() \div 4 = 11$	★ $15 \div (\) = 5$	★ $11 \times (\) = 99$
★ $36 \div (\) = 3$	★ $() \times 7 = 21$	★ $4 \times (\) = 16$
★ $12 \times (\) = 96$	★ $() \times 8 = 64$	★ $() \times 4 = 20$
★ $11 \times (\) = 99$	★ $() \times 10 = 40$	★ $() \div 11 = 7$
★ $() \times 7 = 42$	★ $27 \div (\) = 9$	★ $() \times 10 = 80$

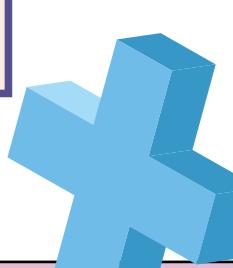
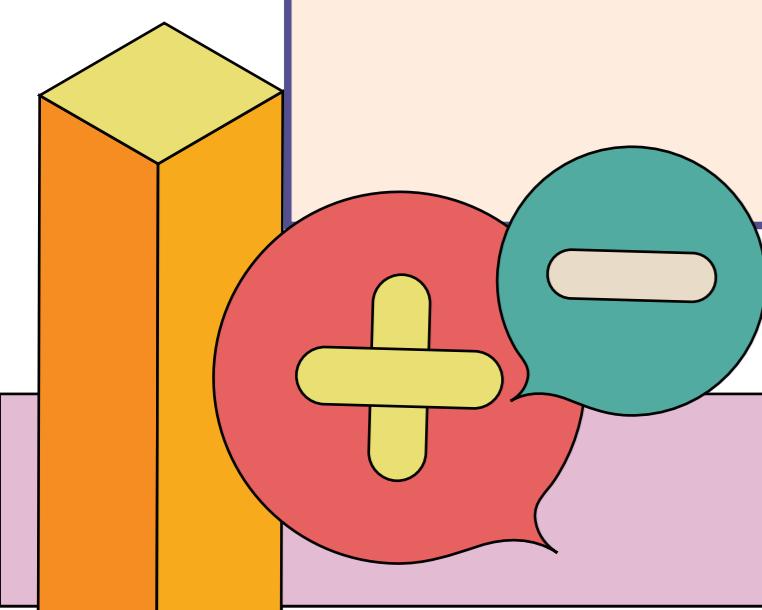
Written Calculation			
★ $856 \div 2 =$ $2\sqrt{856}$	★ $796 \div 2 =$ $2\sqrt{796}$	★ $904 \div 2 =$ $2\sqrt{904}$	★ $556 \div 2 =$ $2\sqrt{556}$

Review & Learn

Catch the missed ★ stars - try those questions again!

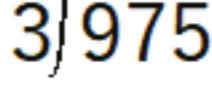
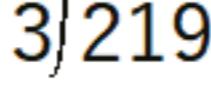
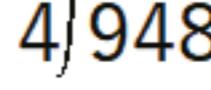


Caught all the stars?
COLOUR in this mega-star as a reward!

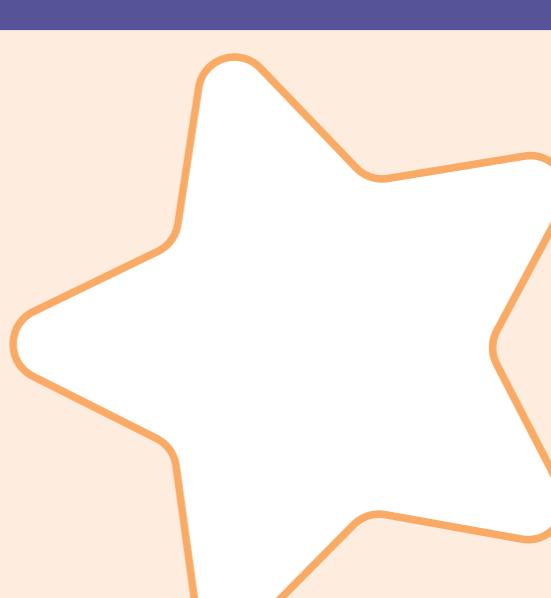


Day 30

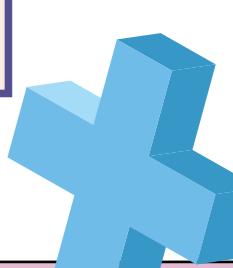
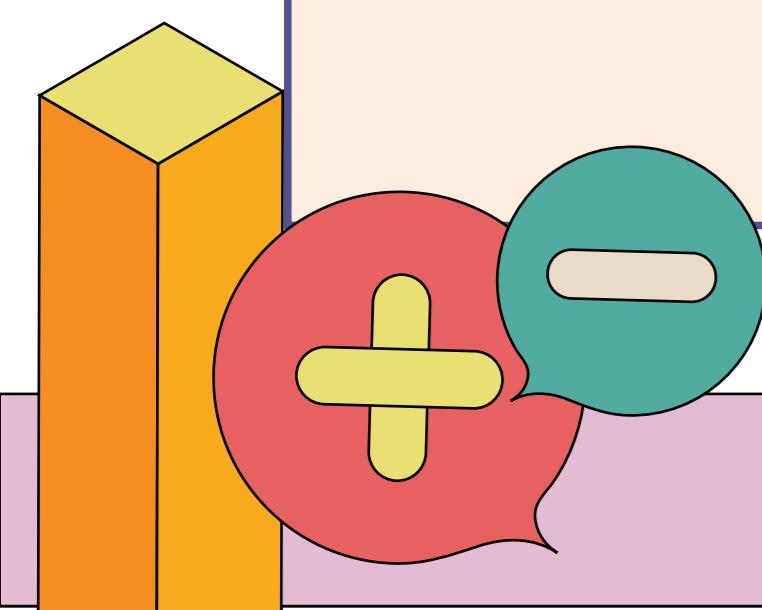
Mental Calculation	Time Taken:	Stars Missed:
★ $100 \div (\) = 10$	★ $() \div 12 = 12$	★ $() \div 5 = 8$
★ $30 \div (\) = 10$	★ $66 \div (\) = 6$	★ $36 \div (\) = 3$
★ $40 \div (\) = 4$	★ $() \div 7 = 7$	★ $7 \times (\) = 70$
★ $4 \times (\) = 36$	★ $() \times 10 = 50$	★ $3 \times (\) = 24$
★ $25 \div (\) = 5$	★ $() \div 11 = 6$	★ $() \times 5 = 60$
★ $7 \times (\) = 56$	★ $36 \div (\) = 3$	★ $12 \div (\) = 3$
★ $() \times 8 = 64$	★ $7 \times (\) = 28$	★ $28 \div (\) = 7$
★ $() \div 3 = 12$	★ $() \div 10 = 9$	★ $() \div 2 = 8$

Written Calculation			
★ $975 \div 3 =$ 	★ $219 \div 3 =$ 	★ $792 \div 3 =$ 	★ $948 \div 4 =$ 

Review & Learn
Catch the missed ★ stars - try those questions again!

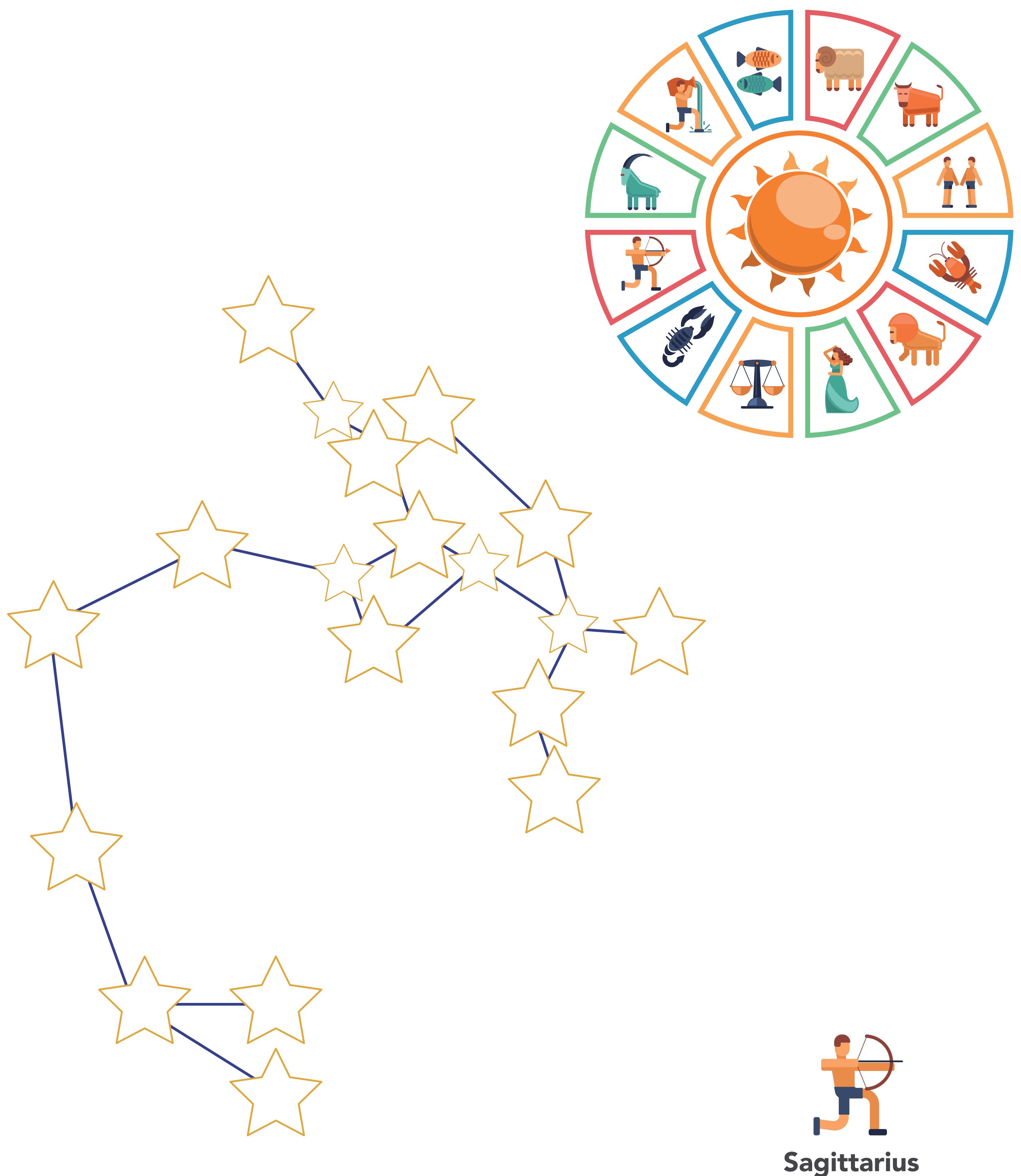


Caught all the stars?
COLOUR in this mega-star as a reward!

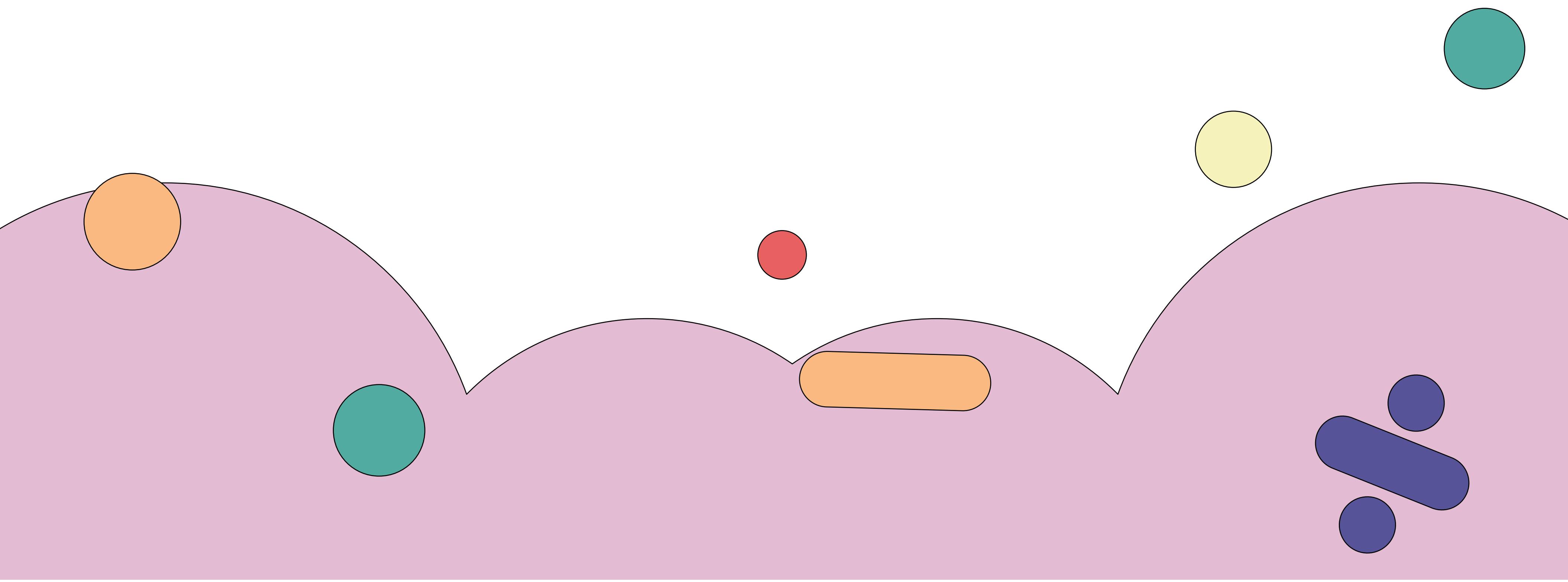


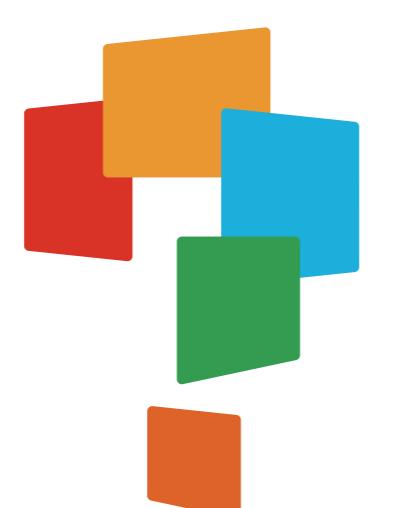
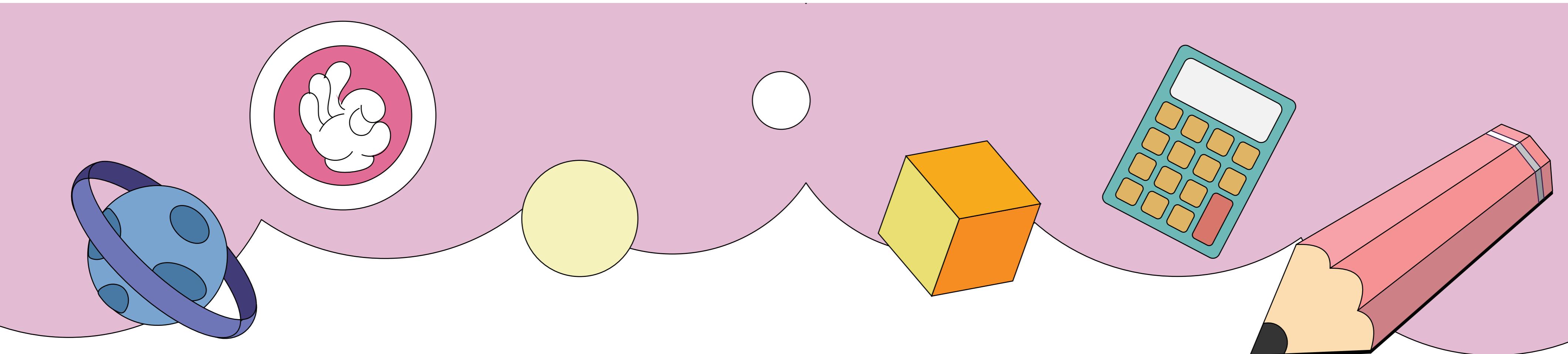
Constellation of the Month

Use the mega-stars you have collected to create a constellation!




Sagittarius





Think Academy

WhatsApp



WeChat



www.thinkacademy.uk



support.uk@tal.com



<https://www.facebook.com/groups/11plusinfo>