

# CALCULATION BOOSTER

[March]

## Contents

- Mental Calculation
- Addition and Subtraction Puzzles
- Addition and Subtraction Skills
- Long Multiplication and 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.

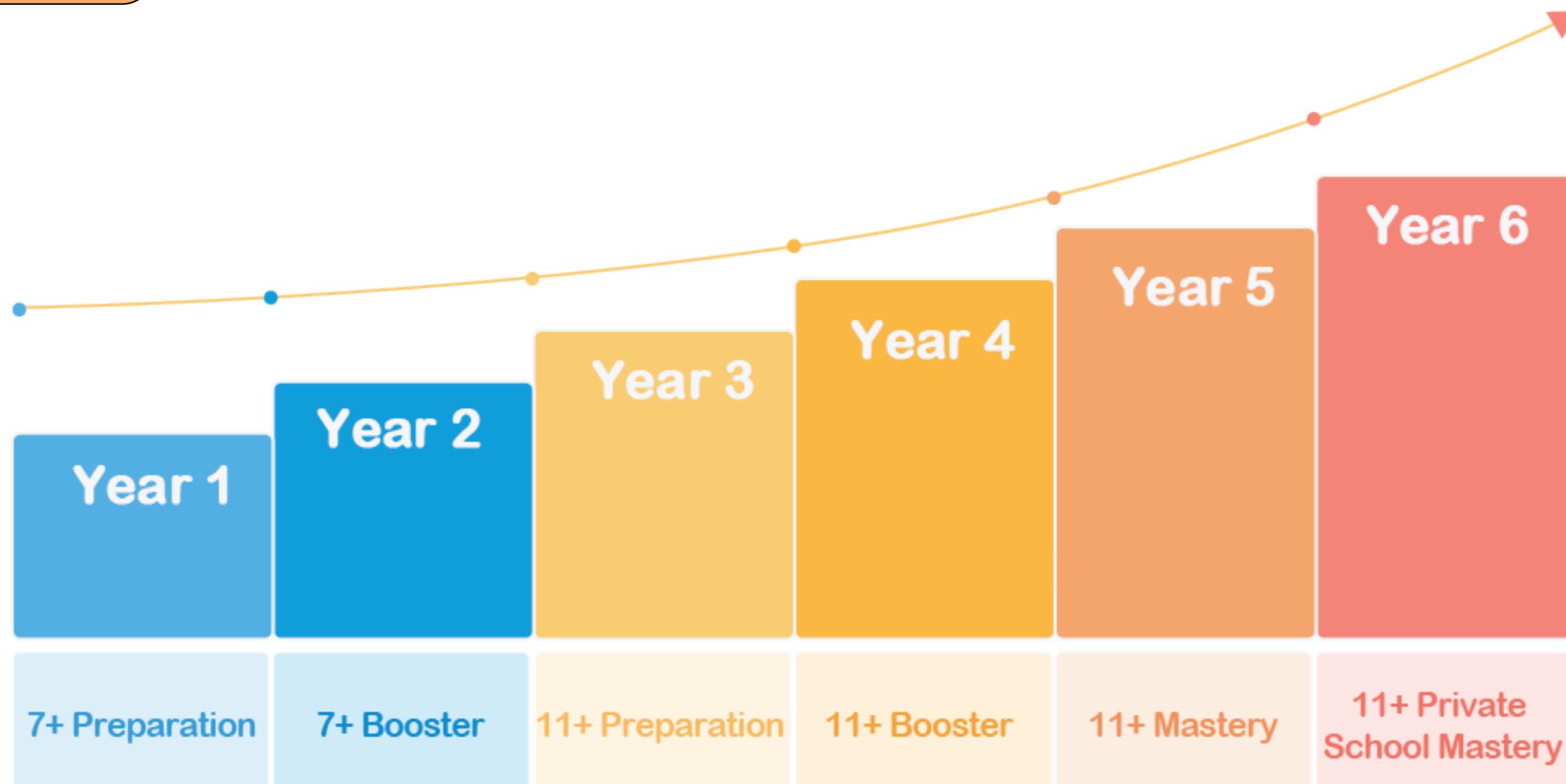
Our bespoke online maths courses harness the power of technology to ensure students achieve their full potential at primary school and throughout their 11+ journey.

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.

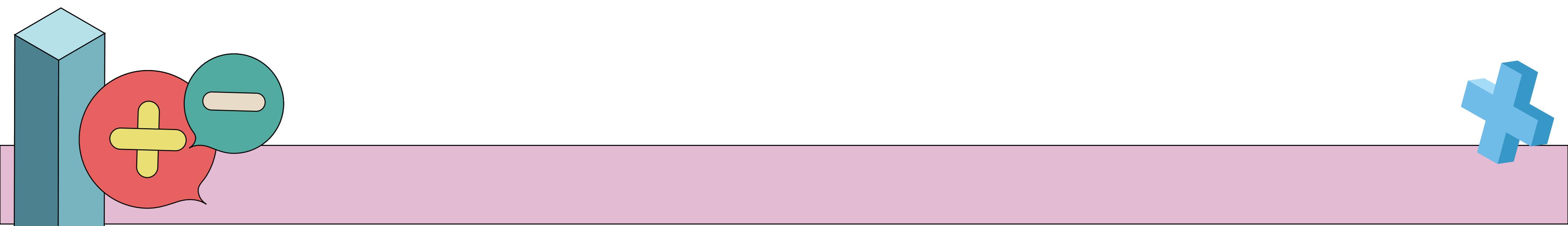
This course will introduce your child to new and challenging mathematical concepts. Their tutor will encourage your child to break boundaries by using the problem-solving techniques and fast calculation skills required to achieve 11+ mastery.

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

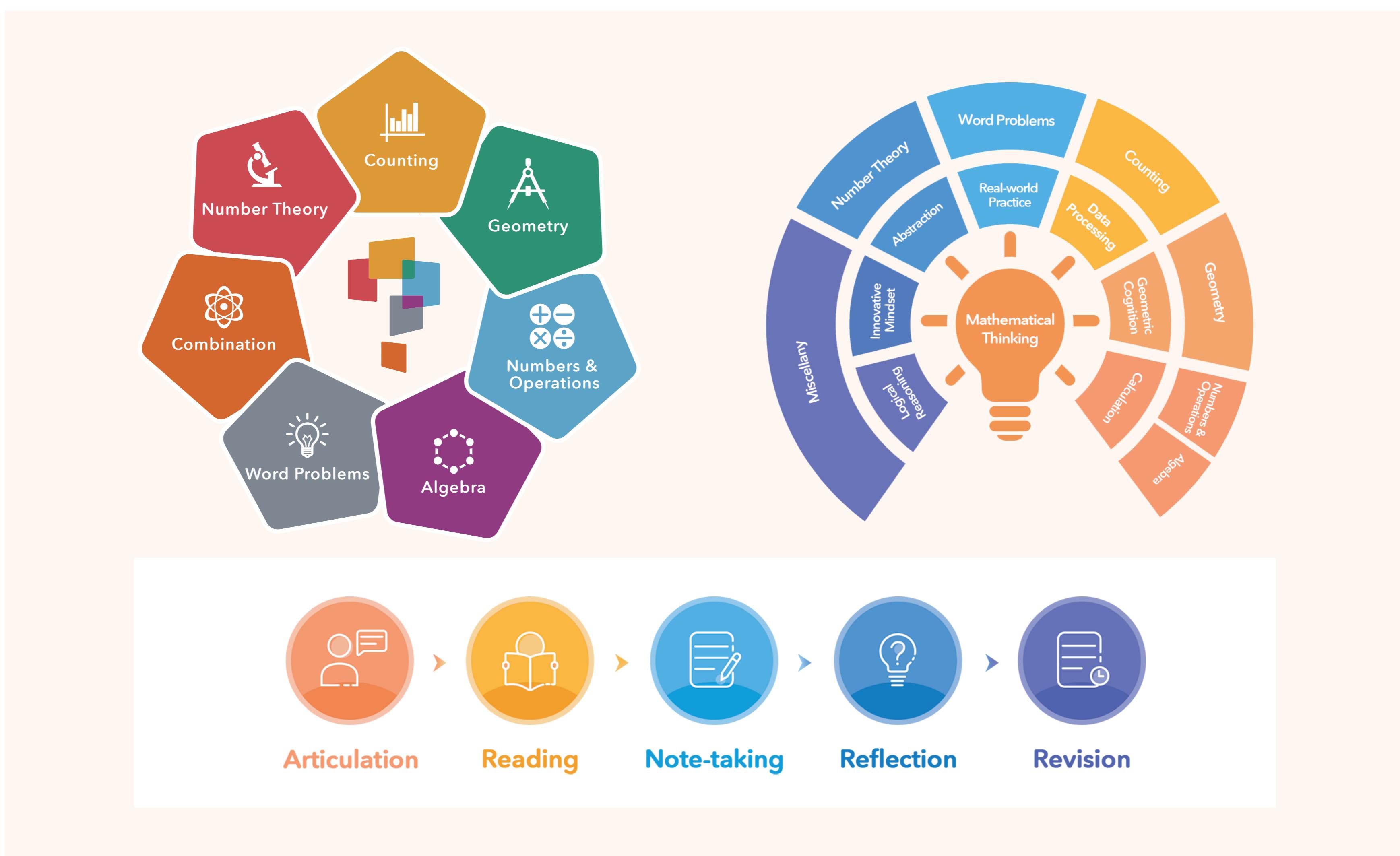
## Our curriculum



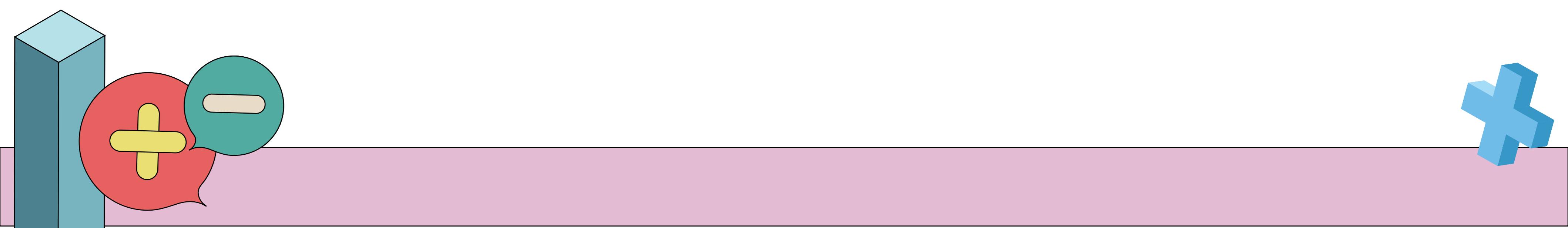
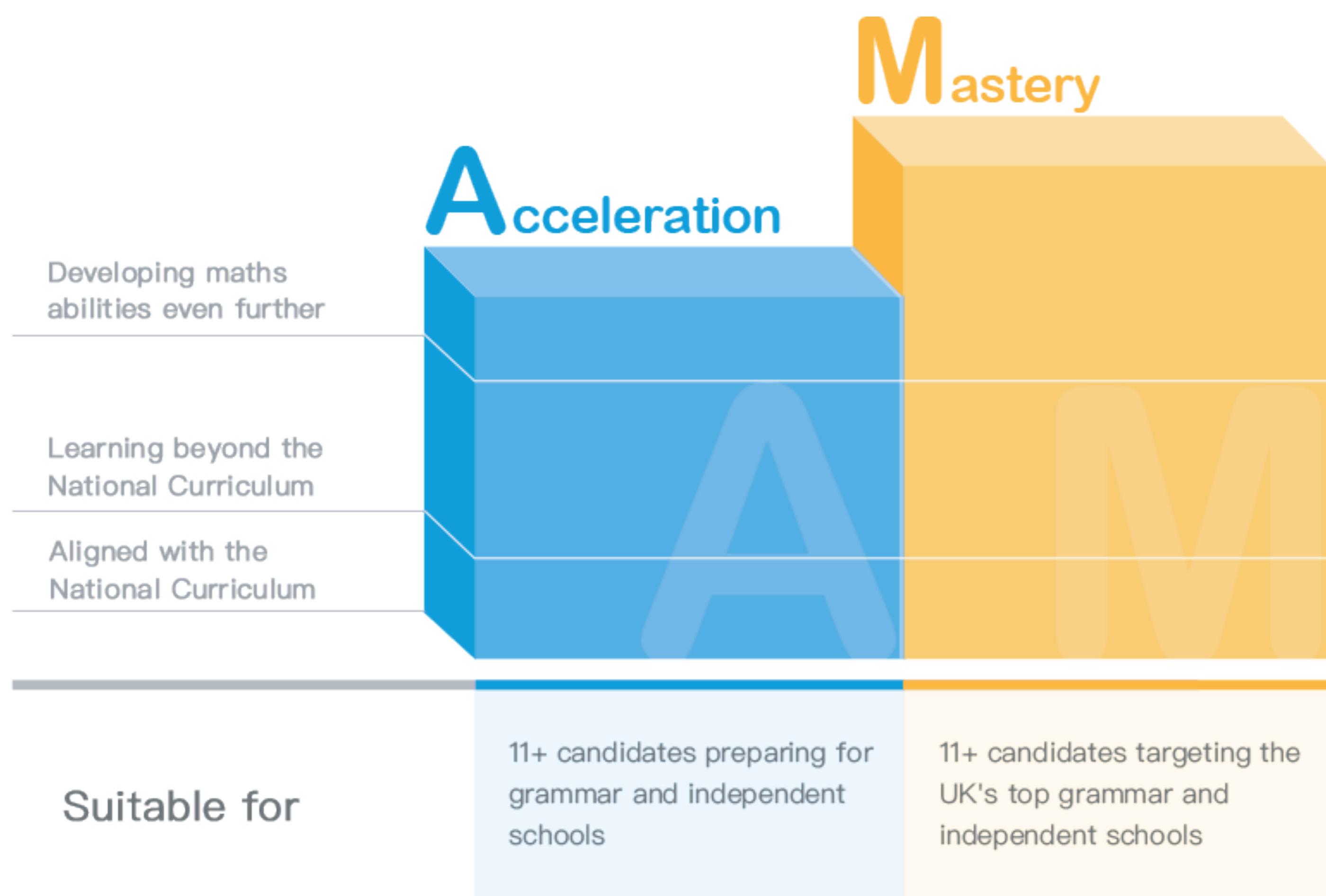
Think Academy's curriculum is designed to ensure students develop the necessary skills required for success in the UK National Curriculum, and later, in the 11+ exam. That is why our curriculum centres around the modules consistently used in all types of secondary school entrance exams.



## 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.

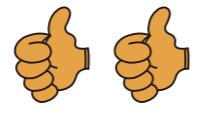
## What's inside?

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 

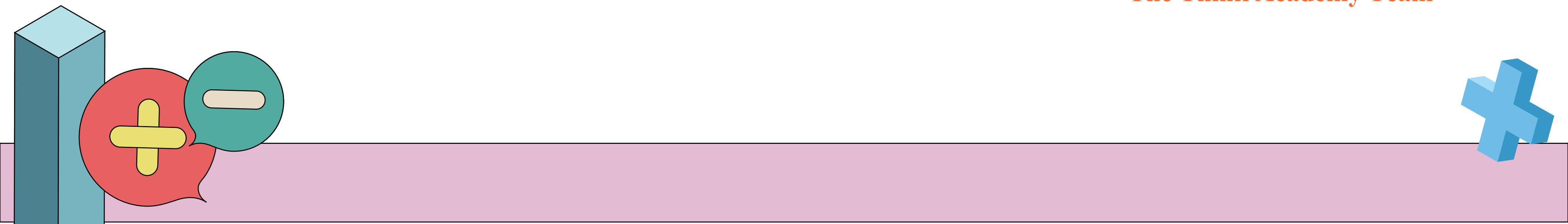
There is no time limit for the written calculation section as the content and difficulty level varies each week. Nevertheless, learners should still aim to be as quick as they can.

### 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:
82 - 40 =	9 + 37 =	8 + 9 =
98 - 4 =	43 + 7 =	7 + 17 =
94 - 91 =	19 + 6 =	49 + 8 =
81 - 60 =	39 + 18 =	39 + 15 =
95 - 20 =	76 - 29 =	47 - 33 =
9 + 88 =	9 + 79 =	55 + 17 =
45 - 33 =	54 - 18 =	67 - 13 =
17 + 14 =	47 + 18 =	42 - 17 =

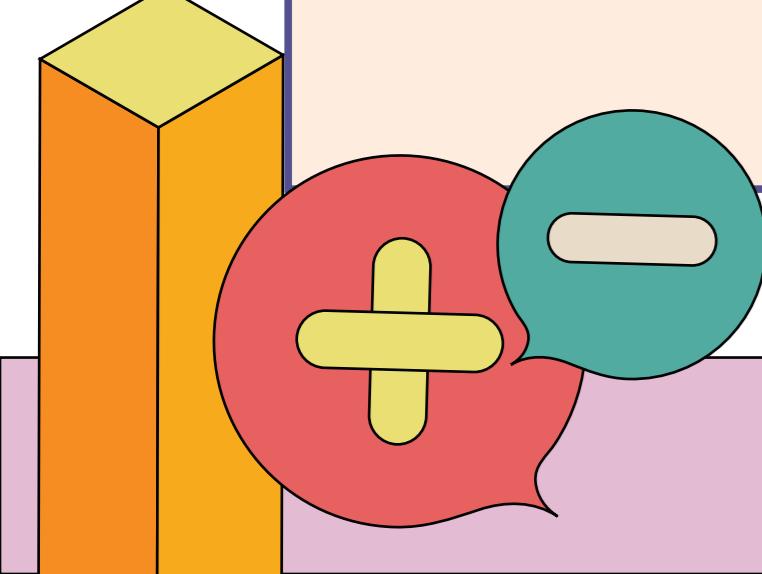
Written Calculation		
2 × 2 + 60 =	9 + 2 × 2 =	69 + 7 × 1 =
63 - 1 × 1 =	9 × 9 - 67 =	78 + 4 × 4 =

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



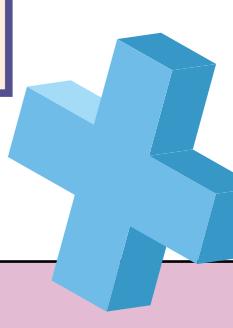
Caught all the stars?  
COLOUR in this mega-star as a reward!



# Day 02

Mental Calculation	Time Taken:	Stars Missed:
★ $53 + 9 =$	★ $16 + 79 =$	★ $8 + 56 =$
★ $59 - 5 =$	★ $77 - 4 =$	★ $77 - 17 =$
★ $19 + 9 =$	★ $9 + 2 =$	★ $86 - 70 =$
★ $88 - 57 =$	★ $31 + 29 =$	★ $61 - 20 =$
★ $98 - 2 =$	★ $68 + 25 =$	★ $29 + 7 =$
★ $98 - 7 =$	★ $68 - 43 =$	★ $56 - 41 =$
★ $5 + 25 =$	★ $93 - 16 =$	★ $83 - 5 =$
★ $63 - 5 =$	★ $27 + 9 =$	★ $26 + 9 =$

Written Calculation		
★ $27 + 6 \times 9 =$	★ $58 + 1 \times 2 =$	★ $2 \times 7 + 65 =$
★ $9 \times 9 - 20 =$	★ $75 - 8 \times 6 =$	★ $39 + 6 \times 9 =$

Review & Learn		
<p>Catch the missed ★ 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>		

# Day 03

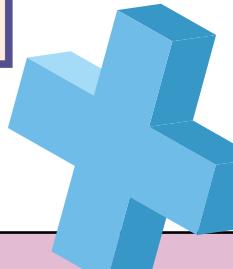
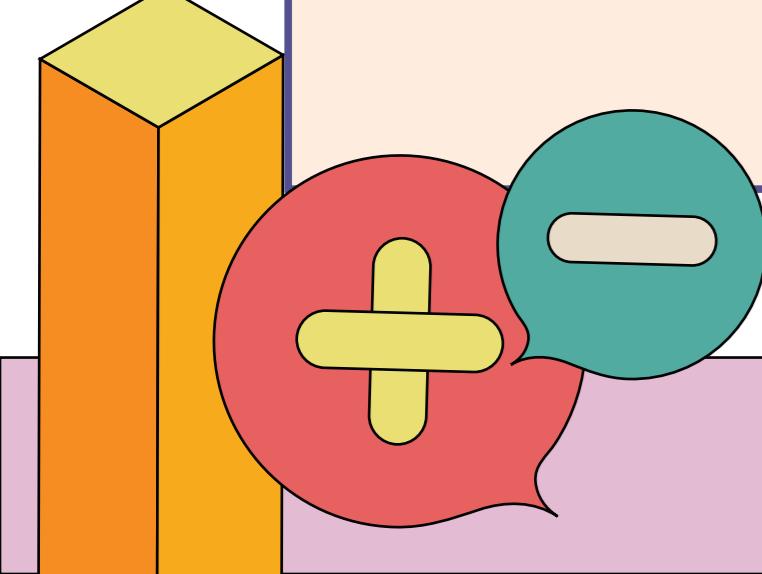
Mental Calculation	Time Taken:	Stars Missed:
⭐ $47 - 19 =$	⭐ $88 - 35 =$	⭐ $90 - 2 =$
⭐ $59 - 35 =$	⭐ $79 + 8 =$	⭐ $39 - 11 =$
⭐ $87 - 2 =$	⭐ $37 + 5 =$	⭐ $78 - 27 =$
⭐ $28 + 8 =$	⭐ $53 - 42 =$	⭐ $99 - 3 =$
⭐ $27 + 8 =$	⭐ $29 + 68 =$	⭐ $65 - 2 =$
⭐ $38 - 11 =$	⭐ $18 + 39 =$	⭐ $92 - 4 =$
⭐ $27 + 57 =$	⭐ $8 + 6 =$	⭐ $70 - 33 =$
⭐ $8 + 59 =$	⭐ $7 + 28 =$	⭐ $99 - 2 =$

Written Calculation		
⭐ $9 \times 3 + 47 =$	⭐ $2 \times 2 + 5 =$	⭐ $5 \times 5 + 8 =$
⭐ $99 - 2 \times 4 =$	⭐ $63 - 1 \times 2 =$	⭐ $4 \times 5 + 0 =$

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



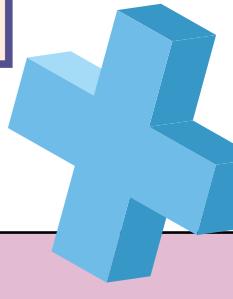
Caught all the stars?  
COLOUR in this mega-star as a reward!



# Day 04

Mental Calculation	Time Taken:	Stars Missed:
★ $96 - 19 =$	★ $78 - 18 =$	★ $81 - 11 =$
★ $89 - 1 =$	★ $36 + 55 =$	★ $79 - 19 =$
★ $25 + 9 =$	★ $26 + 59 =$	★ $64 - 48 =$
★ $94 - 33 =$	★ $95 - 11 =$	★ $2 + 19 =$
★ $57 + 27 =$	★ $29 + 9 =$	★ $18 + 34 =$
★ $76 - 32 =$	★ $91 - 63 =$	★ $93 - 89 =$
★ $64 - 22 =$	★ $16 + 45 =$	★ $62 - 24 =$
★ $81 - 30 =$	★ $17 + 29 =$	★ $4 + 68 =$

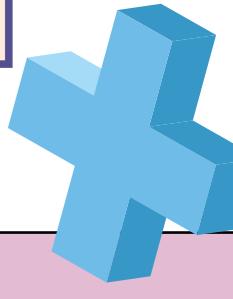
Written Calculation		
★ $58 + 4 \times 4 =$	★ $36 + 4 \times 3 =$	★ $9 \times 8 + 22 =$
★ $9 \times 9 - 43 =$	★ $7 \times 8 - 24 =$	★ $24 + 2 \times 5 =$

Review & Learn		
<p>Catch the missed ★ 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>		

# Day 05

Mental Calculation	Time Taken:	Stars Missed:
★ $18 + 45 =$	★ $29 + 66 =$	★ $1 + 49 =$
★ $78 - 1 =$	★ $49 - 22 =$	★ $18 + 54 =$
★ $68 - 42 =$	★ $69 - 4 =$	★ $54 + 28 =$
★ $37 - 8 =$	★ $48 + 23 =$	★ $97 - 11 =$
★ $40 - 8 =$	★ $93 - 3 =$	★ $44 - 15 =$
★ $33 + 29 =$	★ $83 - 11 =$	★ $11 - 4 =$
★ $93 - 9 =$	★ $74 - 28 =$	★ $94 - 34 =$
★ $7 + 49 =$	★ $74 - 39 =$	★ $95 - 25 =$

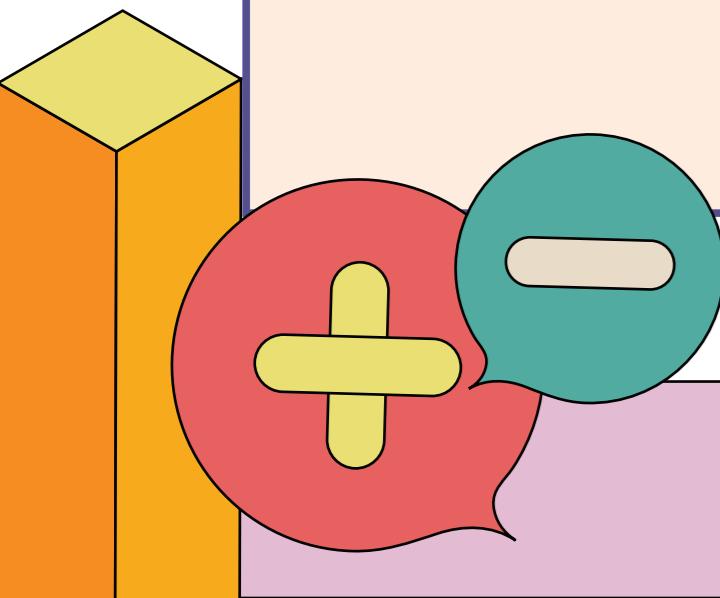
Written Calculation		
★ $5 \times 1 + 2 =$	★ $6 \times 5 + 21 =$	★ $1 \times 1 + 4 =$
★ $8 \times 8 - 23 =$	★ $53 - 5 \times 1 =$	★ $20 + 2 \times 7 =$

Review & Learn		
<p>Catch the missed ★ 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>		

# Day 06

Mental Calculation	Time Taken:	Stars Missed:
★ $36 - 34 =$	★ $80 - 49 =$	★ $76 - 13 =$
★ $73 - 29 =$	★ $96 - 22 =$	★ $96 - 4 =$
★ $36 + 38 =$	★ $98 - 34 =$	★ $50 - 17 =$
★ $4 + 9 =$	★ $10 - 7 =$	★ $81 - 8 =$
★ $19 + 14 =$	★ $42 + 28 =$	★ $48 + 4 =$
★ $82 - 2 =$	★ $96 - 30 =$	★ $39 + 6 =$
★ $32 + 58 =$	★ $8 + 9 =$	★ $54 - 13 =$
★ $86 + 6 =$	★ $27 + 59 =$	★ $99 - 3 =$

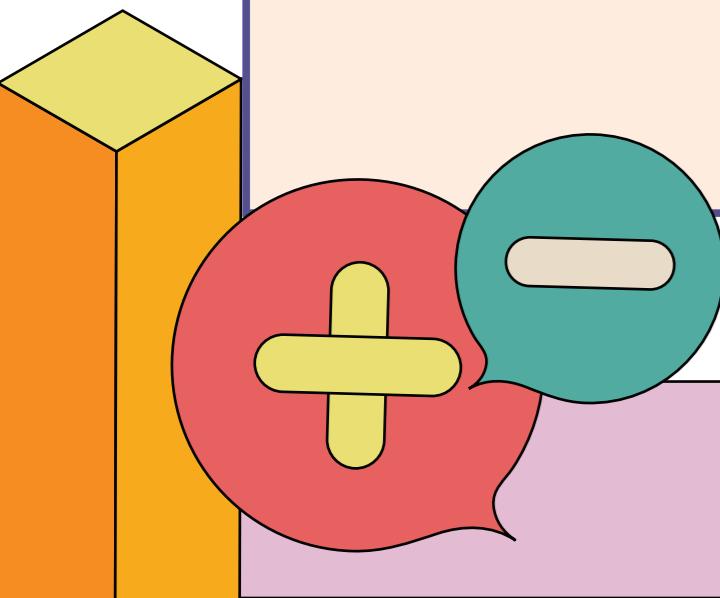
Written Calculation		
★ $85 - 42 - 38 =$	★ $75 - 59 - 1 =$	★ $94 - 43 - 47 =$
★ $75 - 47 - 13 =$	★ $88 - 42 - 8 =$	★ $92 - 41 - 49 =$

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

# Day 07

Mental Calculation	Time Taken:	Stars Missed:
⭐ 73 - 45 =	⭐ 18 + 27 =	⭐ 15 + 8 =
⭐ 75 - 13 =	⭐ 26 + 48 =	⭐ 98 - 2 =
⭐ 79 - 14 =	⭐ 26 + 46 =	⭐ 26 + 9 =
⭐ 6 + 68 =	⭐ 99 - 1 =	⭐ 73 - 39 =
⭐ 55 - 1 =	⭐ 17 + 8 =	⭐ 87 - 5 =
⭐ 70 - 37 =	⭐ 15 + 16 =	⭐ 4 + 27 =
⭐ 19 + 19 =	⭐ 94 - 45 =	⭐ 8 + 48 =
⭐ 56 + 9 =	⭐ 25 + 48 =	⭐ 16 + 27 =

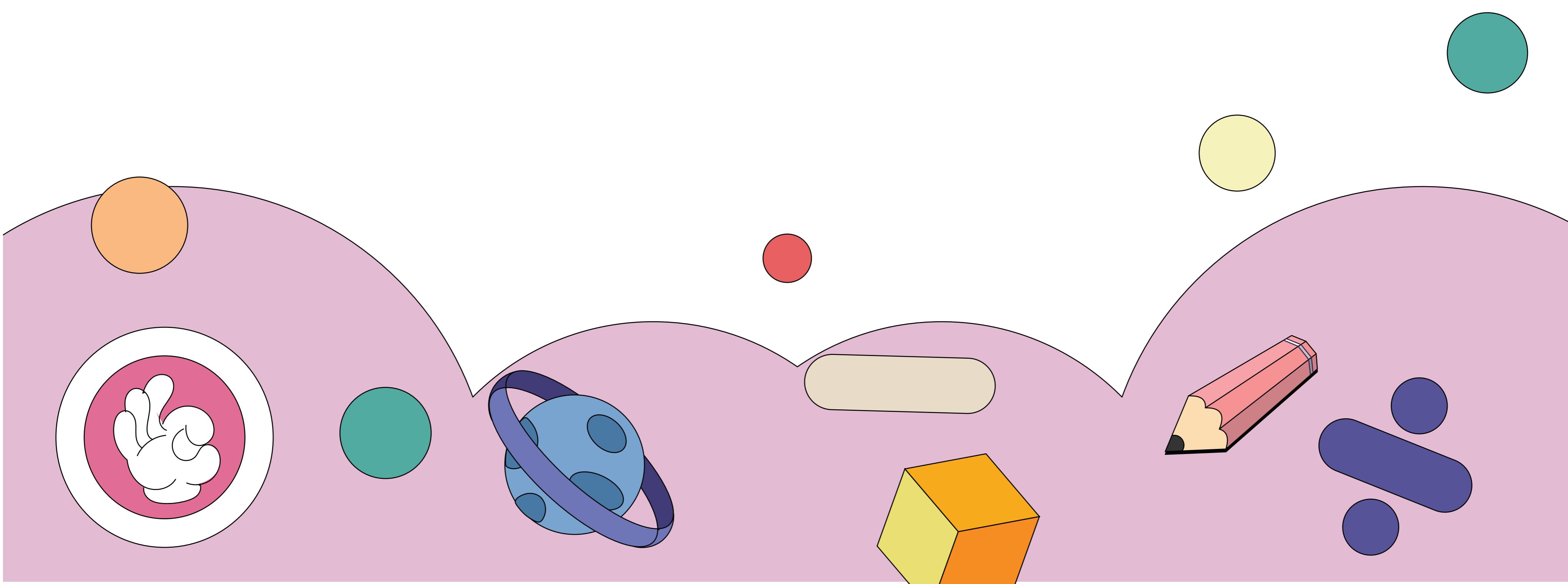
Written Calculation		
⭐ 70 - 41 - 9 =	⭐ 93 - 55 - 35 =	⭐ 99 - 51 - 39 =
⭐ 93 - 68 - 22 =	⭐ 83 - 57 - 3 =	⭐ 98 - 68 - 22 =

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

## Weekly Recap

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

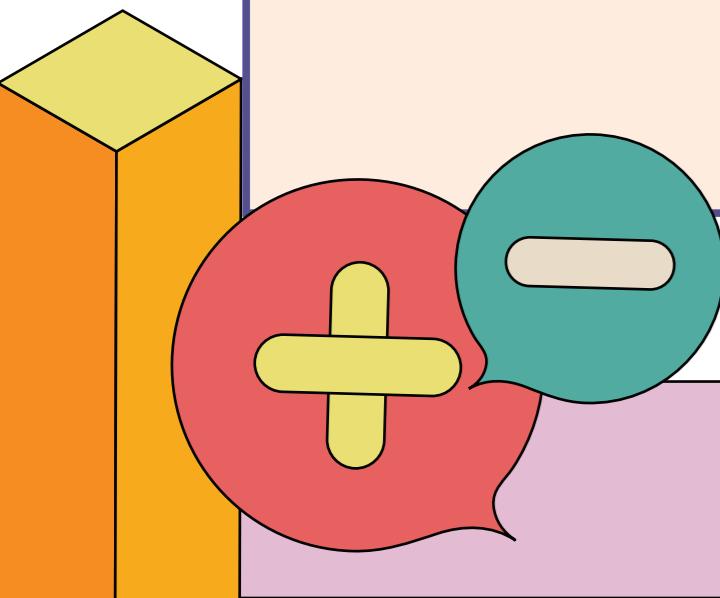
	Mental Calculation		Written Calculation
	Time Taken	Stars Missed	Stars Missed
Day 1			
Day 2			
Day 3			
Day 4			
Day 5			
Day 6			
Day 7			
Average			



**Day 08**

Mental Calculation	Time Taken:	Stars Missed:
⭐ 24 + 67 =	⭐ 48 + 29 =	⭐ 4 + 26 =
⭐ 58 - 25 =	⭐ 69 + 27 =	⭐ 90 - 11 =
⭐ 93 - 2 =	⭐ 87 - 9 =	⭐ 39 + 1 =
⭐ 90 - 31 =	⭐ 94 - 83 =	⭐ 95 - 1 =
⭐ 77 - 18 =	⭐ 44 + 19 =	⭐ 83 - 52 =
⭐ 29 + 29 =	⭐ 93 - 29 =	⭐ 65 - 42 =
⭐ 20 - 11 =	⭐ 24 + 29 =	⭐ 9 + 29 =
⭐ 25 - 10 =	⭐ 82 - 18 =	⭐ 17 + 35 =

Written Calculation		
⭐ 88 - 48 - 22 =	⭐ 96 - 52 - 28 =	⭐ 89 - 48 - 12 =
⭐ 97 - 48 - 12 =	⭐ 85 - 43 - 7 =	⭐ 85 - 66 - 14 =

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

**Day 09**

Mental Calculation	Time Taken:	Stars Missed:
83 - 29 =	7 + 79 =	9 + 1 =
32 - 14 =	52 - 19 =	98 - 3 =
27 - 24 =	6 + 37 =	79 - 2 =
62 - 49 =	19 + 27 =	62 - 7 =
38 + 9 =	6 + 6 =	90 - 56 =
35 - 17 =	14 + 17 =	24 + 47 =
90 - 59 =	87 - 10 =	28 + 49 =
39 + 9 =	65 + 8 =	77 - 55 =

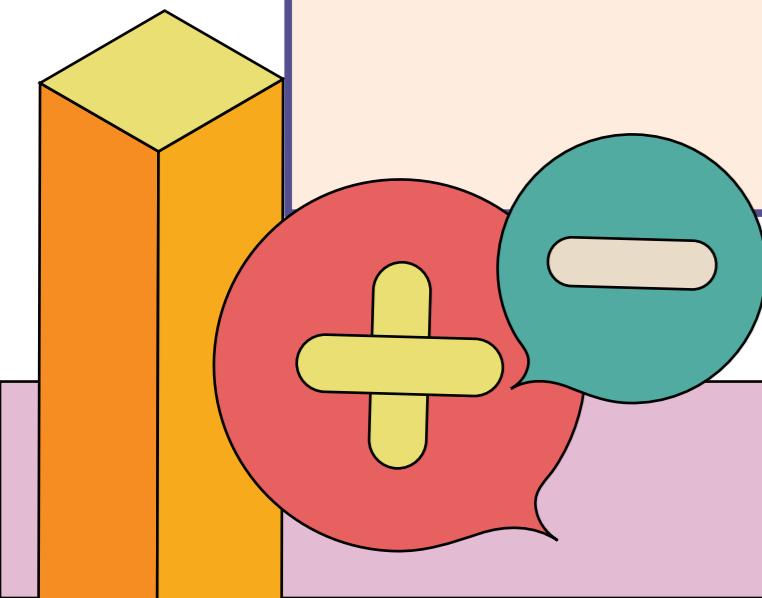
Written Calculation		
63 - 51 - 9 =	95 - 56 - 4 =	64 - 59 - 1 =
69 - 49 - 11 =	97 - 62 - 28 =	86 - 67 - 3 =

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



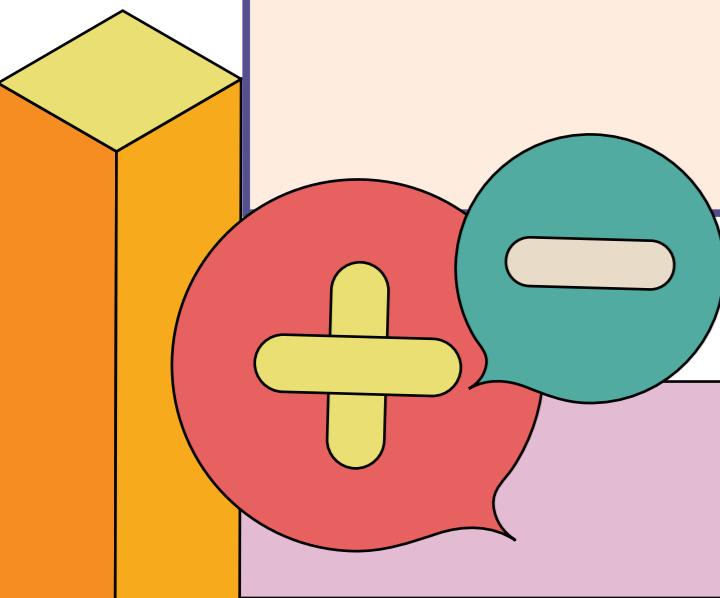
Caught all the stars?  
COLOUR in this mega-star as a reward!



# Day 10

Mental Calculation	Time Taken:	Stars Missed:
★ $26 + 14 =$	★ $4 + 39 =$	★ $49 - 20 =$
★ $89 - 82 =$	★ $97 - 1 =$	★ $80 - 37 =$
★ $45 + 7 =$	★ $67 + 29 =$	★ $15 + 7 =$
★ $89 - 20 =$	★ $47 + 49 =$	★ $84 - 5 =$
★ $23 + 8 =$	★ $89 - 47 =$	★ $65 - 19 =$
★ $48 - 33 =$	★ $60 - 14 =$	★ $27 + 19 =$
★ $46 + 7 =$	★ $8 + 25 =$	★ $12 + 59 =$
★ $69 + 3 =$	★ $97 - 19 =$	★ $67 + 15 =$

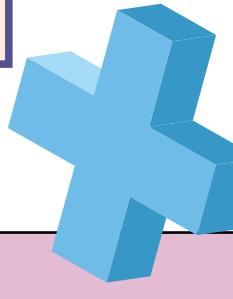
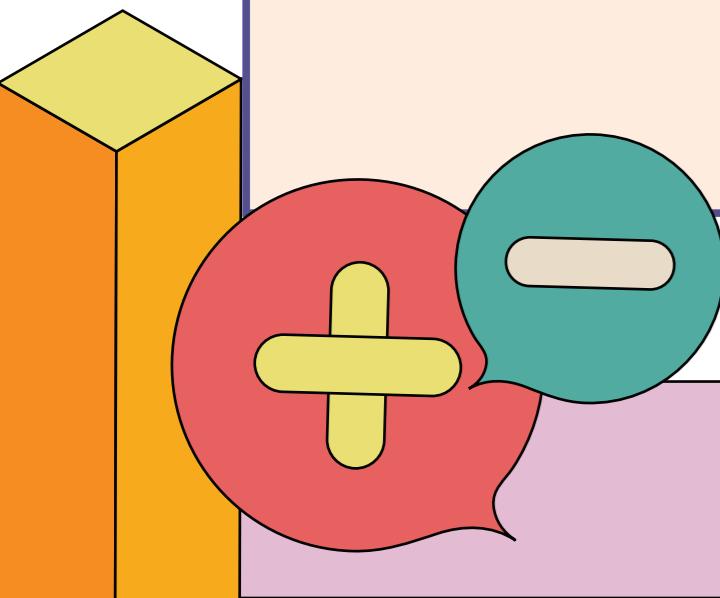
Written Calculation		
★ $97 - 58 - 12 =$	★ $91 - 57 - 33 =$	★ $78 - 59 - 1 =$
★ $95 - 43 - 17 =$	★ $82 - 52 - 28 =$	★ $87 - 45 - 25 =$

Review & Learn		
Catch the missed ★ 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:
★ $12 \times 6 =$	★ $8 \times 11 =$	★ $7 \times 7 =$
★ $6 \times 8 =$	★ $6 \times 11 =$	★ $5 \times 3 =$
★ $7 \times 4 =$	★ $12 \times 8 =$	★ $5 \times 5 =$
★ $11 \times 6 =$	★ $10 \times 4 =$	★ $6 \times 2 =$
★ $2 \times 4 =$	★ $5 \times 6 =$	★ $9 \times 6 =$
★ $8 \times 8 =$	★ $9 \times 9 =$	★ $9 \times 11 =$
★ $7 \times 3 =$	★ $11 \times 9 =$	★ $10 \times 3 =$
★ $4 \times 7 =$	★ $8 \times 12 =$	★ $7 \times 6 =$

Written Calculation		
★ $614 - 289 =$	★ $789 - 300 =$	★ $358 + 181 =$
$  \begin{array}{r}  614 \\  - 289 \\  \hline  \end{array}  $	$  \begin{array}{r}  789 \\  - 300 \\  \hline  \end{array}  $	$  \begin{array}{r}  358 \\  + 181 \\  \hline  \end{array}  $
★ $384 + 190 =$	★ $218 + 569 =$	★ $665 - 189 =$
$  \begin{array}{r}  384 \\  + 190 \\  \hline  \end{array}  $	$  \begin{array}{r}  218 \\  + 569 \\  \hline  \end{array}  $	$  \begin{array}{r}  665 \\  - 189 \\  \hline  \end{array}  $

Review & Learn
<p>Catch the missed ★ 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> 

# Day 12

Mental Calculation	Time Taken:	Stars Missed:
10 × 8 =	5 × 9 =	10 × 6 =
4 × 10 =	12 × 4 =	2 × 6 =
12 × 3 =	7 × 12 =	3 × 4 =
4 × 4 =	6 × 5 =	7 × 5 =
10 × 7 =	4 × 3 =	2 × 2 =
12 × 7 =	4 × 2 =	9 × 4 =
5 × 7 =	3 × 10 =	4 × 12 =
8 × 6 =	7 × 9 =	8 × 2 =

Written Calculation		
376 + 224 =	131 + 127 =	585 - 103 =
$  \begin{array}{r}  376 \\  + 224 \\  \hline  \end{array}  $	$  \begin{array}{r}  131 \\  + 127 \\  \hline  \end{array}  $	$  \begin{array}{r}  585 \\  - 103 \\  \hline  \end{array}  $

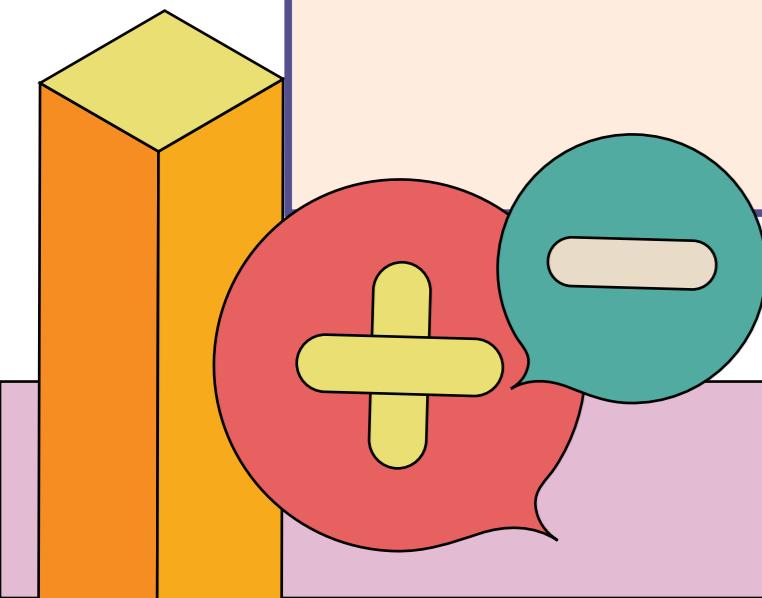
846 - 732 =	534 - 297 =	178 + 160 =
$  \begin{array}{r}  846 \\  - 732 \\  \hline  \end{array}  $	$  \begin{array}{r}  534 \\  - 297 \\  \hline  \end{array}  $	$  \begin{array}{r}  178 \\  + 160 \\  \hline  \end{array}  $

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



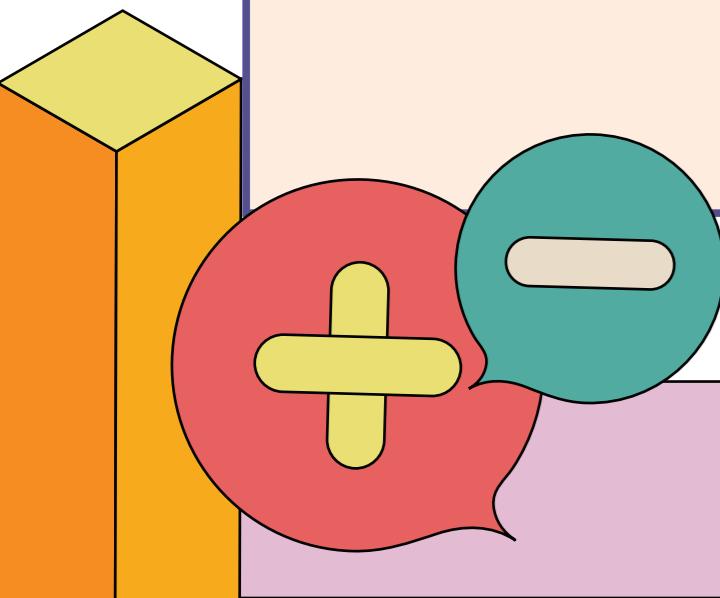
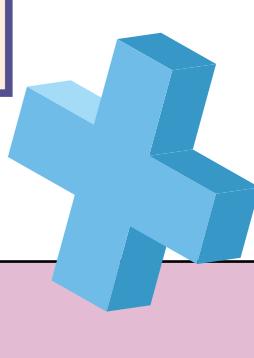
Caught all the stars?  
COLOUR in this mega-star as a reward!



# Day 13

Mental Calculation	Time Taken:	Stars Missed:
★ $10 \times 5 =$	★ $3 \times 7 =$	★ $11 \times 8 =$
★ $6 \times 9 =$	★ $7 \times 10 =$	★ $3 \times 3 =$
★ $3 \times 6 =$	★ $4 \times 11 =$	★ $6 \times 7 =$
★ $8 \times 10 =$	★ $7 \times 8 =$	★ $11 \times 4 =$
★ $7 \times 11 =$	★ $2 \times 11 =$	★ $2 \times 9 =$
★ $5 \times 12 =$	★ $6 \times 3 =$	★ $6 \times 10 =$
★ $9 \times 7 =$	★ $5 \times 2 =$	★ $9 \times 2 =$
★ $8 \times 3 =$	★ $11 \times 2 =$	★ $10 \times 2 =$

Written Calculation		
★ $100 + 143 =$	★ $303 + 412 =$	★ $165 + 123 =$
$  \begin{array}{r}  100 \\  + 143 \\  \hline  \end{array}  $	$  \begin{array}{r}  303 \\  + 412 \\  \hline  \end{array}  $	$  \begin{array}{r}  165 \\  + 123 \\  \hline  \end{array}  $
★ $469 - 345 =$	★ $348 - 127 =$	★ $692 + 136 =$
$  \begin{array}{r}  469 \\  - 345 \\  \hline  \end{array}  $	$  \begin{array}{r}  348 \\  - 127 \\  \hline  \end{array}  $	$  \begin{array}{r}  692 \\  + 136 \\  \hline  \end{array}  $

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

# Day 14

Mental Calculation	Time Taken:	Stars Missed:
8 × 5 =	6 × 6 =	8 × 7 =
5 × 8 =	9 × 3 =	2 × 7 =
12 × 5 =	3 × 11 =	3 × 9 =
8 × 4 =	7 × 2 =	4 × 8 =
4 × 9 =	2 × 3 =	3 × 2 =
3 × 5 =	3 × 12 =	5 × 10 =
2 × 5 =	11 × 5 =	9 × 5 =
4 × 6 =	9 × 8 =	2 × 12 =

Written Calculation		
313 + 366 =	607 - 250 =	323 + 153 =
$  \begin{array}{r}  313 \\  + 366 \\  \hline  \end{array}  $	$  \begin{array}{r}  607 \\  - 250 \\  \hline  \end{array}  $	$  \begin{array}{r}  323 \\  + 153 \\  \hline  \end{array}  $

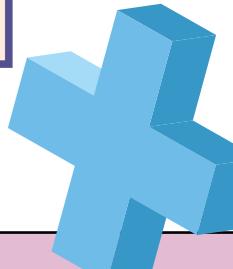
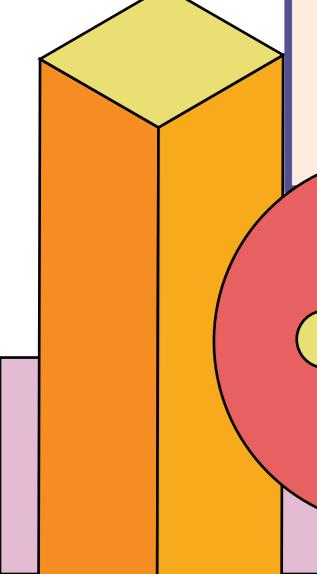
390 + 107 =	483 + 481 =	928 - 151 =
$  \begin{array}{r}  390 \\  + 107 \\  \hline  \end{array}  $	$  \begin{array}{r}  483 \\  + 481 \\  \hline  \end{array}  $	$  \begin{array}{r}  928 \\  - 151 \\  \hline  \end{array}  $

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



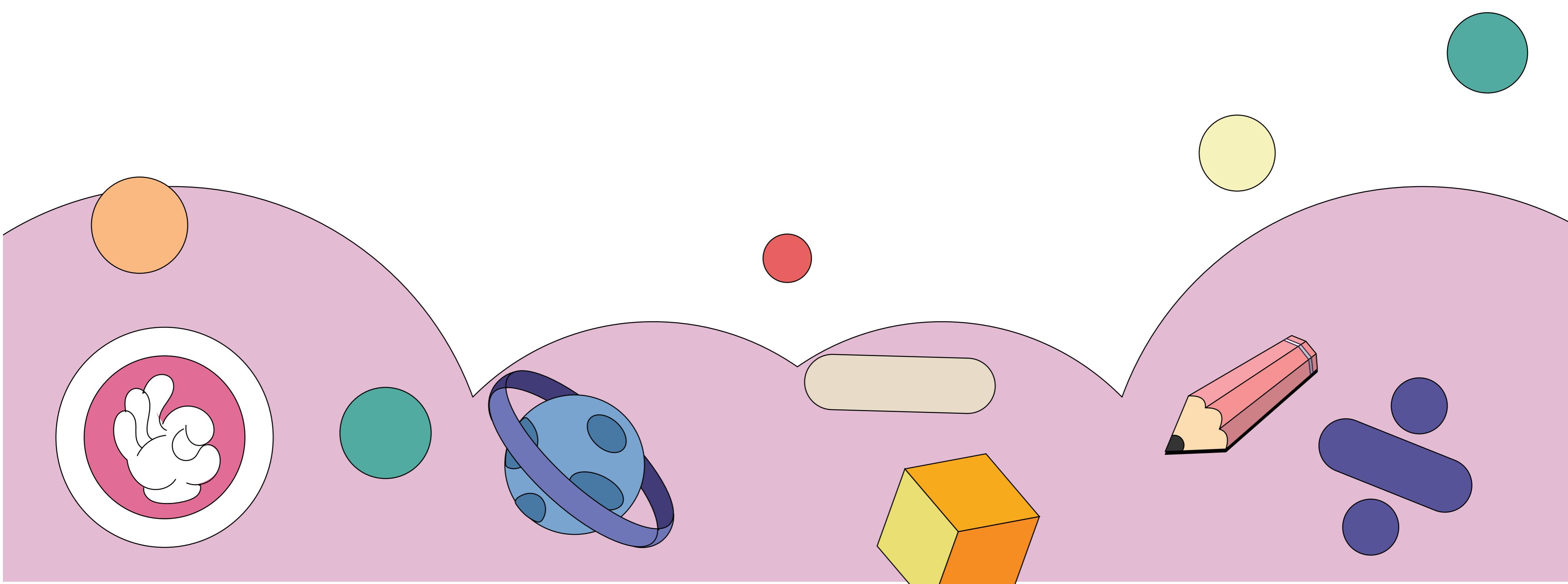
Caught all the stars?  
COLOUR in this mega-star as a reward!



## 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			



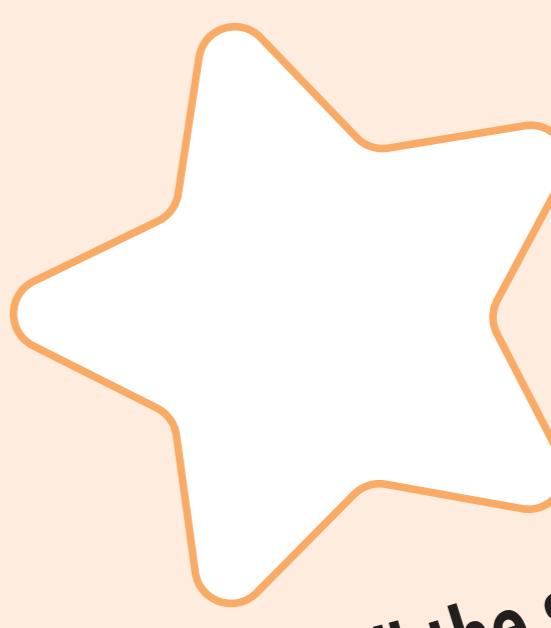
# Day 15

Mental Calculation	Time Taken:	Stars Missed:
6 × 4 =	12 × 2 =	8 × 9 =
3 × 8 =	6 × 12 =	11 × 3 =
11 × 7 =	2 × 8 =	4 × 5 =
5 × 4 =	2 × 10 =	5 × 11 =
10 × 9 =	9 × 10 =	8 × 6 =
9 × 6 =	7 × 2 =	2 × 12 =
10 × 7 =	10 × 8 =	3 × 7 =
9 × 11 =	3 × 9 =	9 × 5 =

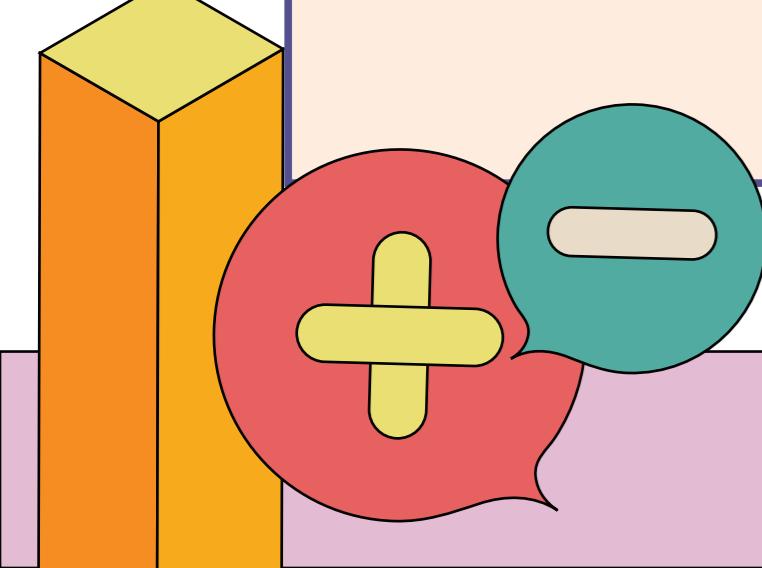
Written Calculation		
216 + 436 =	991 - 133 =	967 - 101 =
$  \begin{array}{r}  216 \\  + 436 \\  \hline  \end{array}  $	$  \begin{array}{r}  991 \\  - 133 \\  \hline  \end{array}  $	$  \begin{array}{r}  967 \\  - 101 \\  \hline  \end{array}  $
198 + 640 =	405 - 297 =	917 - 402 =
$  \begin{array}{r}  198 \\  + 640 \\  \hline  \end{array}  $	$  \begin{array}{r}  405 \\  - 297 \\  \hline  \end{array}  $	$  \begin{array}{r}  917 \\  - 402 \\  \hline  \end{array}  $

Review & Learn
----------------

Catch the missed  stars - try those questions again!



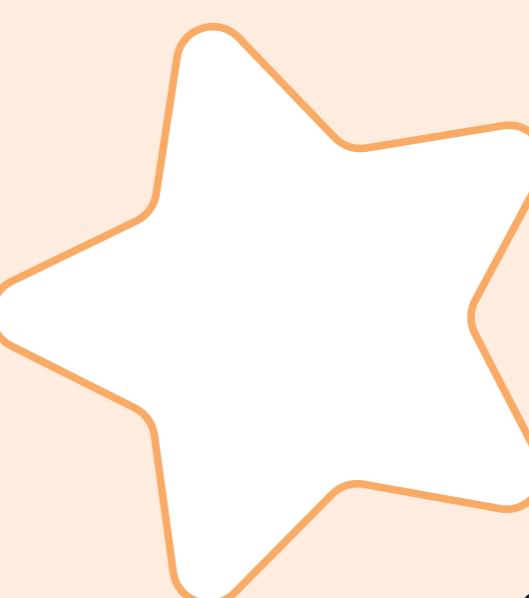
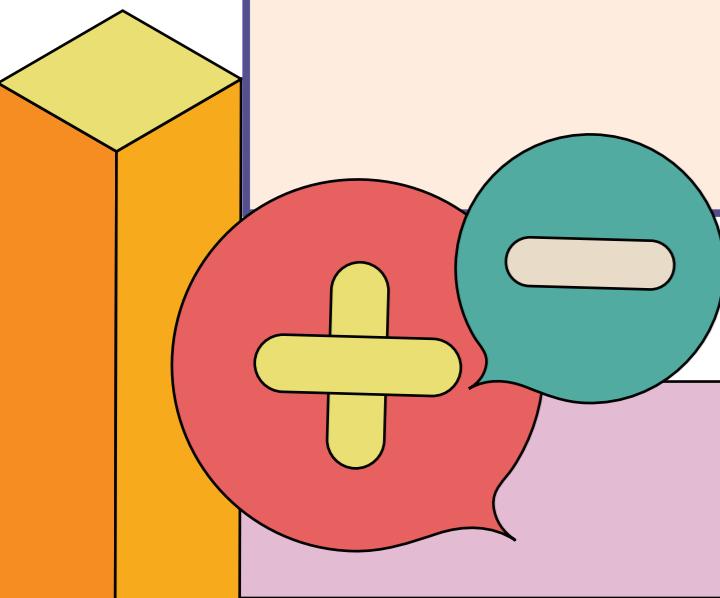
Caught all the stars?  
COLOUR in this mega-star as a reward!



# Day 16

Mental Calculation	Time Taken:	Stars Missed:
7 × 4 =	5 × 7 =	4 × 2 =
12 × 5 =	4 × 7 =	9 × 9 =
5 × 12 =	9 × 7 =	7 × 5 =
12 × 3 =	8 × 6 =	2 × 2 =
10 × 3 =	11 × 8 =	10 × 4 =
2 × 3 =	9 × 3 =	11 × 5 =
2 × 9 =	7 × 7 =	5 × 6 =
8 × 8 =	4 × 10 =	7 × 8 =

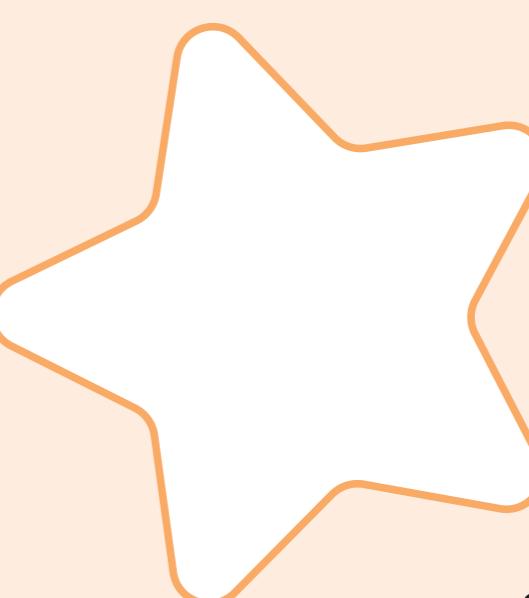
Written Calculation		
$  \begin{array}{r}  23\ \square \\  + 401 \\  \hline  633  \end{array}  $	$  \begin{array}{r}  44\ \square \\  + 217 \\  \hline  657  \end{array}  $	$  \begin{array}{r}  394 \\  + 2\square2 \\  \hline  666  \end{array}  $
$  \begin{array}{r}  455 \\  - 3\square7 \\  \hline  128  \end{array}  $	$  \begin{array}{r}  \square04 \\  - 130 \\  \hline  274  \end{array}  $	$  \begin{array}{r}  144 \\  + \square87 \\  \hline  331  \end{array}  $

Review & Learn
<p>Catch the missed  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 17

Mental Calculation	Time Taken:	Stars Missed:
8 × 11 =	6 × 5 =	4 × 11 =
11 × 6 =	3 × 9 =	10 × 5 =
7 × 9 =	4 × 12 =	9 × 8 =
6 × 11 =	12 × 8 =	9 × 11 =
5 × 2 =	8 × 10 =	12 × 6 =
8 × 12 =	2 × 6 =	6 × 6 =
2 × 10 =	2 × 4 =	3 × 11 =
2 × 7 =	3 × 2 =	3 × 7 =

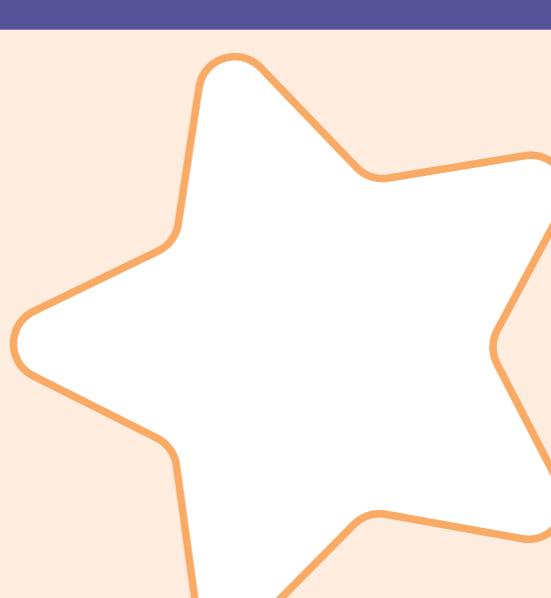
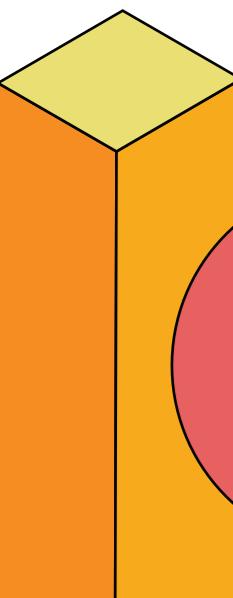
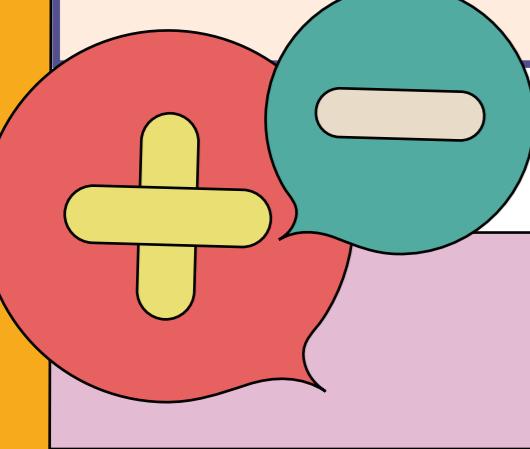
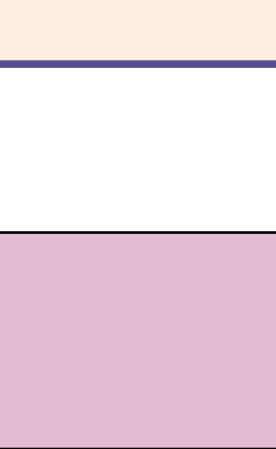
Written Calculation		
$  \begin{array}{r}  \square 1 1 \\  - 4 7 3 \\  \hline  1 3 8  \end{array}  $	$  \begin{array}{r}  7 \square 8 \\  - 4 6 9 \\  \hline  3 2 9  \end{array}  $	$  \begin{array}{r}  \square 2 6 \\  - 1 0 6 \\  \hline  8 2 0  \end{array}  $
$  \begin{array}{r}  1 7 9 \\  + 5 9 2 \\  \hline  7 7 \square  \end{array}  $	$  \begin{array}{r}  5 6 9 \\  - 1 7 \square \\  \hline  3 9 0  \end{array}  $	$  \begin{array}{r}  9 4 9 \\  - 2 \square 2 \\  \hline  6 8 7  \end{array}  $

Review & Learn
<p>Catch the missed  stars - try those questions again!</p> <div style="position: relative; width: 100%; height: 100%;"> <div style="position: absolute; top: 0; left: 0; width: 100%; height: 100%; background-color: #f0f0f0; opacity: 0.5;"></div> <div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%);">  <p>Caught all the stars? COLOUR in this mega-star as a reward!</p> </div> </div>

# Day 18

Mental Calculation	Time Taken:	Stars Missed:
7 × 3 =	8 × 7 =	8 × 5 =
10 × 8 =	10 × 7 =	7 × 10 =
2 × 5 =	4 × 3 =	7 × 2 =
8 × 4 =	5 × 11 =	8 × 9 =
3 × 3 =	11 × 4 =	5 × 9 =
5 × 5 =	12 × 4 =	9 × 6 =
10 × 2 =	5 × 8 =	5 × 10 =
6 × 8 =	3 × 10 =	6 × 3 =

Written Calculation		
$  \begin{array}{r}  104 \\  + 113 \\  \hline \square 17  \end{array}  $	$  \begin{array}{r}  160 \\  + 10\square \\  \hline 264  \end{array}  $	$  \begin{array}{r}  575 \\  - \square 05 \\  \hline 470  \end{array}  $
$  \begin{array}{r}  92\square \\  - 402 \\  \hline 525  \end{array}  $	$  \begin{array}{r}  331 \\  + 125 \\  \hline \square 56  \end{array}  $	$  \begin{array}{r}  \square 37 \\  + 224 \\  \hline 361  \end{array}  $

Review & Learn
<p>Catch the missed  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 19**
**Mental Calculation**
**Time Taken:**
**Stars Missed:**

$\star 7 \times 12 =$

$\star 4 \times 8 =$

$\star 3 \times 6 =$

$\star 4 \times 9 =$

$\star 11 \times 2 =$

$\star 2 \times 11 =$

$\star 3 \times 4 =$

$\star 5 \times 3 =$

$\star 12 \times 7 =$

$\star 11 \times 7 =$

$\star 3 \times 5 =$

$\star 8 \times 3 =$

$\star 2 \times 12 =$

$\star 6 \times 9 =$

$\star 9 \times 2 =$

$\star 4 \times 6 =$

$\star 6 \times 4 =$

$\star 3 \times 12 =$

$\star 9 \times 4 =$

$\star 5 \times 4 =$

$\star 12 \times 2 =$

$\star 3 \times 8 =$

$\star 11 \times 9 =$

$\star 9 \times 5 =$

**Written Calculation**

$$\begin{array}{r} 4 \ 6 \ 3 \\ + 2 \ 8 \ 2 \\ \hline \square \ 4 \ 5 \end{array}$$

$$\begin{array}{r} 1 \ 0 \ 7 \\ + 5 \ 6 \ 0 \\ \hline \square \ 6 \ 7 \end{array}$$

$$\begin{array}{r} \square \ 0 \ 0 \\ + 1 \ 5 \ 8 \\ \hline 4 \ 5 \ 8 \end{array}$$

$$\begin{array}{r} 9 \ 2 \ 0 \\ - 7 \ 5 \ 7 \\ \hline 1 \ 6 \ \square \end{array}$$

$$\begin{array}{r} 5 \ 4 \ 6 \\ + 1 \ \square \ 8 \\ \hline 7 \ 3 \ 4 \end{array}$$

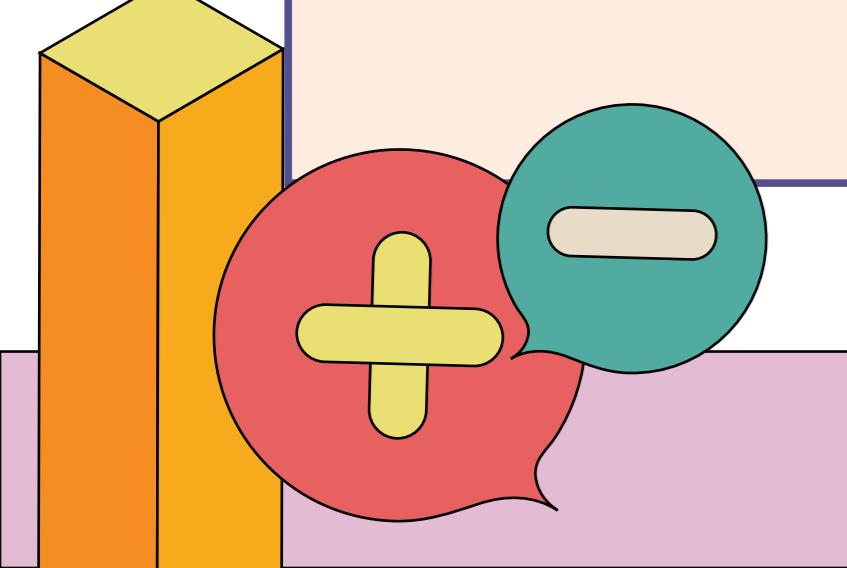
$$\begin{array}{r} 9 \ 3 \ 8 \\ - 1 \ 8 \ 3 \\ \hline \square \ 5 \ 5 \end{array}$$

**Review & Learn**

Catch the missed  stars - try those questions again!



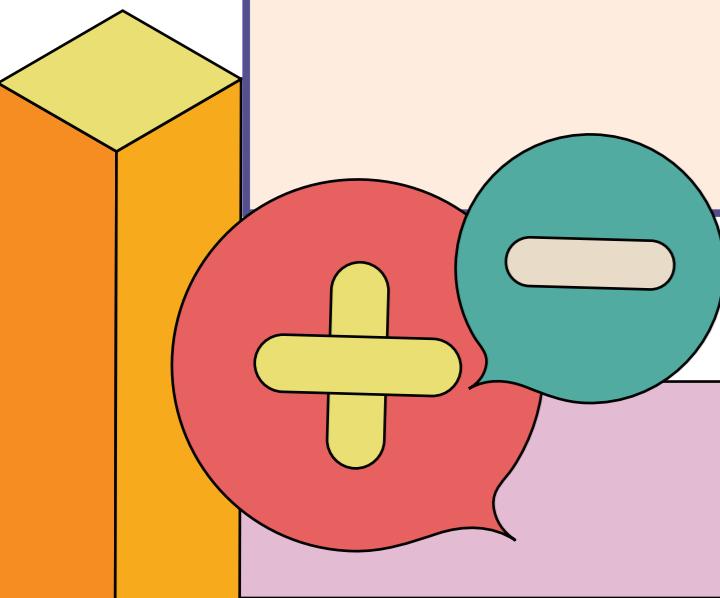
Caught all the stars?  
COLOUR in this mega-star as a reward!



# Day 20

Mental Calculation	Time Taken:	Stars Missed:
6 × 12 =	11 × 3 =	7 × 6 =
6 × 7 =	4 × 5 =	7 × 11 =
9 × 10 =	4 × 4 =	10 × 9 =
6 × 2 =	2 × 8 =	8 × 2 =
10 × 6 =	6 × 10 =	9 × 9 =
3 × 12 =	2 × 9 =	10 × 3 =
8 × 3 =	12 × 3 =	6 × 9 =
9 × 3 =	4 × 7 =	10 × 12 =

Written Calculation		
$  \begin{array}{r}  3 \square 7 \\  - 1 2 1 \\  \hline  2 0 6  \end{array}  $	$  \begin{array}{r}  6 7 8 \\  - 3 0 1 \\  \hline  \square 7 7  \end{array}  $	$  \begin{array}{r}  \square 2 1 \\  + 1 3 5 \\  \hline  2 5 6  \end{array}  $
$  \begin{array}{r}  6 \square 4 \\  + 1 2 3 \\  \hline  8 1 7  \end{array}  $	$  \begin{array}{r}  6 9 5 \\  - 2 1 3 \\  \hline  4 \square 2  \end{array}  $	$  \begin{array}{r}  5 8 9 \\  + \square 3 0 \\  \hline  8 1 9  \end{array}  $

Review & Learn
<p>Catch the missed  stars - try those questions again!</p>  <div style="position: absolute; bottom: 0; right: 0; background-color: #fff; padding: 5px; border: 1px solid #ccc; border-radius: 5px;"> <span style="font-size: 2em; color: orange;">*</span>          Caught all the stars?          COLOUR in this mega-star as a reward!       </div>

# Day 21

Mental Calculation	Time Taken:	Stars Missed:
8 ÷ 4 =	21 ÷ 7 =	8 ÷ 8 =
36 ÷ 4 =	12 ÷ 6 =	12 ÷ 4 =
40 ÷ 5 =	54 ÷ 6 =	18 ÷ 6 =
63 ÷ 7 =	36 ÷ 6 =	3 ÷ 3 =
81 ÷ 9 =	6 ÷ 2 =	40 ÷ 8 =
15 ÷ 5 =	6 ÷ 6 =	14 ÷ 7 =
16 ÷ 8 =	2 ÷ 2 =	27 ÷ 9 =
49 ÷ 7 =	8 ÷ 2 =	9 ÷ 9 =

Written Calculation		
643 × 9 =	886 × 8 =	640 × 2 =
$  \begin{array}{r}  643 \\  \times 9 \\  \hline  \end{array}  $	$  \begin{array}{r}  886 \\  \times 8 \\  \hline  \end{array}  $	$  \begin{array}{r}  640 \\  \times 2 \\  \hline  \end{array}  $

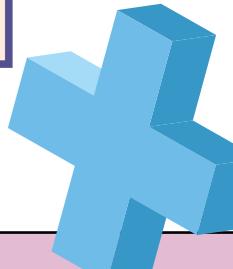
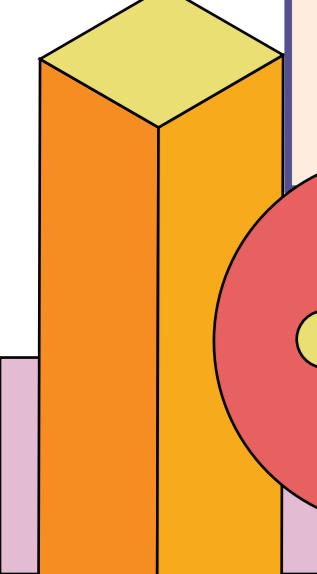
Written Calculation		
581 × 7 =	780 × 6 =	869 × 4 =
$  \begin{array}{r}  581 \\  \times 7 \\  \hline  \end{array}  $	$  \begin{array}{r}  780 \\  \times 6 \\  \hline  \end{array}  $	$  \begin{array}{r}  869 \\  \times 4 \\  \hline  \end{array}  $

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



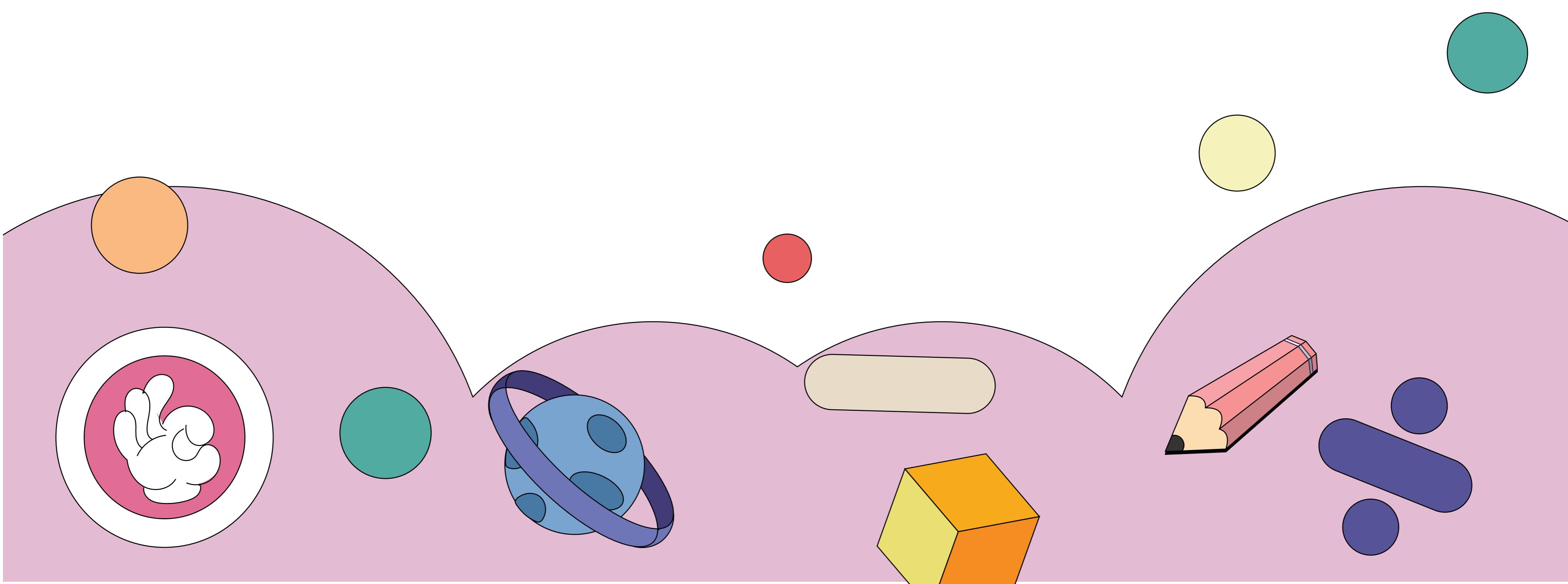
Caught all the stars?  
COLOUR in this mega-star as a reward!



## 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:
30 ÷ 6 =	5 ÷ 5 =	12 ÷ 2 =
4 ÷ 2 =	9 ÷ 3 =	24 ÷ 3 =
15 ÷ 3 =	54 ÷ 9 =	32 ÷ 8 =
24 ÷ 8 =	45 ÷ 9 =	56 ÷ 8 =
35 ÷ 7 =	28 ÷ 4 =	4 ÷ 4 =
35 ÷ 5 =	16 ÷ 2 =	21 ÷ 3 =
30 ÷ 5 =	20 ÷ 4 =	14 ÷ 2 =
10 ÷ 2 =	72 ÷ 8 =	63 ÷ 9 =

Written Calculation		
604 × 8 =	844 × 8 =	409 × 9 =
$  \begin{array}{r}  604 \\  \times 8 \\  \hline  \end{array}  $	$  \begin{array}{r}  844 \\  \times 8 \\  \hline  \end{array}  $	$  \begin{array}{r}  409 \\  \times 9 \\  \hline  \end{array}  $

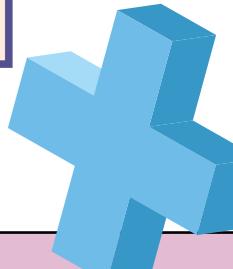
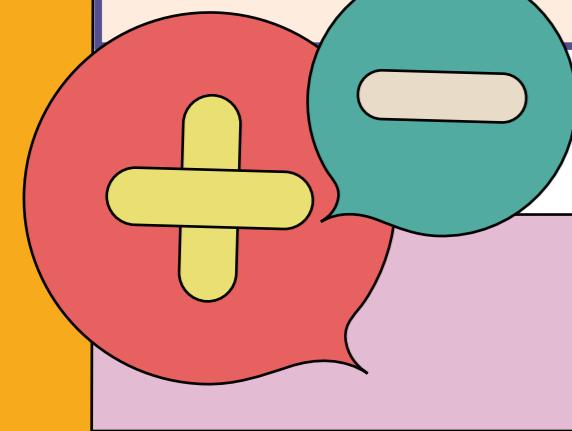
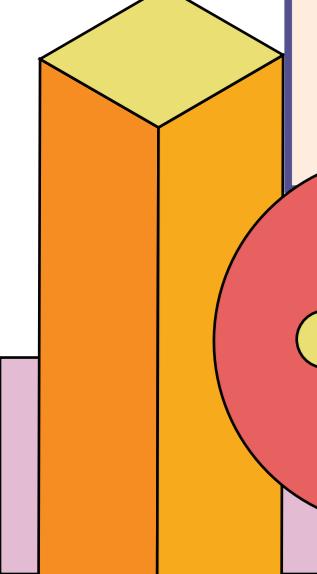
592 × 9 =	832 × 6 =	627 × 6 =
$  \begin{array}{r}  592 \\  \times 9 \\  \hline  \end{array}  $	$  \begin{array}{r}  832 \\  \times 6 \\  \hline  \end{array}  $	$  \begin{array}{r}  627 \\  \times 6 \\  \hline  \end{array}  $

Review & Learn
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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:
42 ÷ 6 =	10 ÷ 5 =	7 ÷ 7 =
25 ÷ 5 =	45 ÷ 5 =	18 ÷ 2 =
48 ÷ 6 =	18 ÷ 9 =	27 ÷ 3 =
20 ÷ 5 =	6 ÷ 3 =	48 ÷ 8 =
36 ÷ 9 =	12 ÷ 3 =	24 ÷ 6 =
16 ÷ 4 =	28 ÷ 7 =	18 ÷ 3 =
42 ÷ 7 =	64 ÷ 8 =	72 ÷ 9 =
32 ÷ 4 =	56 ÷ 7 =	24 ÷ 4 =

Written Calculation		
911 × 9 =	533 × 7 =	907 × 8 =
$  \begin{array}{r}  911 \\  \times 9 \\  \hline  \end{array}  $	$  \begin{array}{r}  533 \\  \times 7 \\  \hline  \end{array}  $	$  \begin{array}{r}  907 \\  \times 8 \\  \hline  \end{array}  $

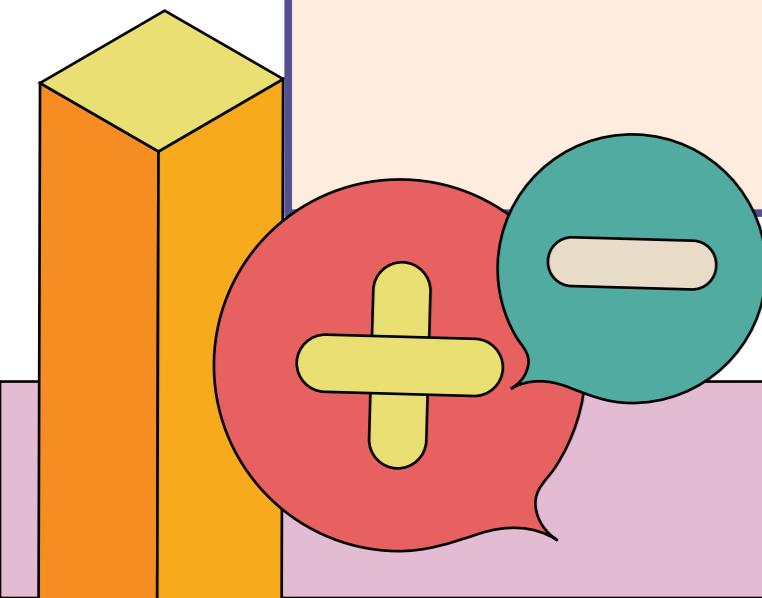
839 × 5 =	239 × 5 =	622 × 2 =
$  \begin{array}{r}  839 \\  \times 5 \\  \hline  \end{array}  $	$  \begin{array}{r}  239 \\  \times 5 \\  \hline  \end{array}  $	$  \begin{array}{r}  622 \\  \times 2 \\  \hline  \end{array}  $

Review & Learn
----------------

Catch the missed  stars - try those questions again!



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



# Day 24

Mental Calculation	Time Taken:	Stars Missed:
56 ÷ 7 =	9 ÷ 9 =	30 ÷ 5 =
42 ÷ 6 =	72 ÷ 8 =	27 ÷ 9 =
54 ÷ 9 =	28 ÷ 7 =	42 ÷ 7 =
6 ÷ 3 =	45 ÷ 9 =	32 ÷ 4 =
56 ÷ 8 =	24 ÷ 6 =	48 ÷ 8 =
54 ÷ 6 =	48 ÷ 6 =	30 ÷ 6 =
12 ÷ 4 =	63 ÷ 9 =	18 ÷ 3 =
10 ÷ 5 =	36 ÷ 9 =	8 ÷ 2 =

Written Calculation		
811 × 9 =	377 × 5 =	418 × 5 =
$  \begin{array}{r}  811 \\  \times 9 \\  \hline  \end{array}  $	$  \begin{array}{r}  377 \\  \times 5 \\  \hline  \end{array}  $	$  \begin{array}{r}  418 \\  \times 5 \\  \hline  \end{array}  $

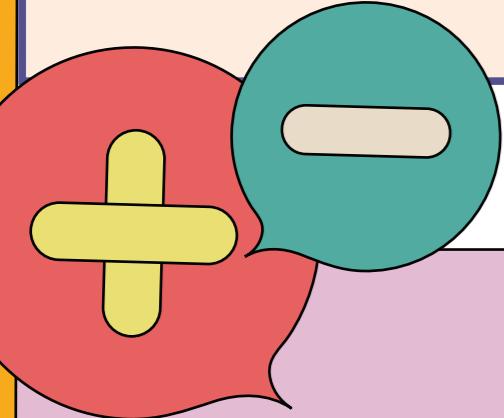
626 × 7 =	516 × 7 =	393 × 4 =
$  \begin{array}{r}  626 \\  \times 7 \\  \hline  \end{array}  $	$  \begin{array}{r}  516 \\  \times 7 \\  \hline  \end{array}  $	$  \begin{array}{r}  393 \\  \times 4 \\  \hline  \end{array}  $

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



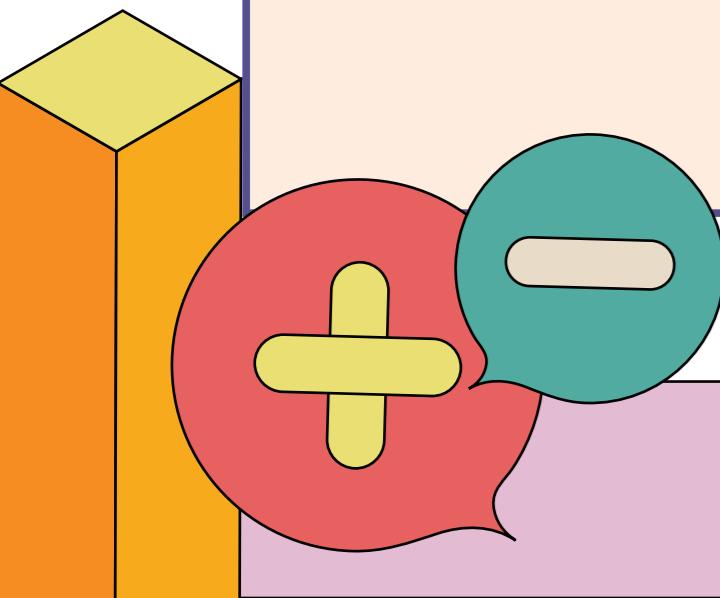
Caught all the stars?  
COLOUR in this mega-star as a reward!



# Day 25

Mental Calculation	Time Taken:	Stars Missed:
16 ÷ 4 =	28 ÷ 7 =	14 ÷ 7 =
42 ÷ 7 =	49 ÷ 7 =	42 ÷ 21 =
56 ÷ 8 =	35 ÷ 5 =	30 ÷ 5 =
25 ÷ 5 =	5 ÷ 5 =	6 ÷ 3 =
36 ÷ 9 =	32 ÷ 4 =	72 ÷ 8 =
24 ÷ 4 =	20 ÷ 4 =	63 ÷ 9 =
54 ÷ 6 =	63 ÷ 7 =	45 ÷ 5 =
15 ÷ 5 =	36 ÷ 4 =	21 ÷ 7 =

Written Calculation		
$322 \times 9 =$	$768 \times 4 =$	$849 \times 8 =$
$  \begin{array}{r}  322 \\  \times 9 \\  \hline  \end{array}  $	$  \begin{array}{r}  768 \\  \times 4 \\  \hline  \end{array}  $	$  \begin{array}{r}  849 \\  \times 8 \\  \hline  \end{array}  $
$449 \times 4 =$	$781 \times 6 =$	$237 \times 8 =$
$  \begin{array}{r}  449 \\  \times 4 \\  \hline  \end{array}  $	$  \begin{array}{r}  781 \\  \times 6 \\  \hline  \end{array}  $	$  \begin{array}{r}  237 \\  \times 8 \\  \hline  \end{array}  $

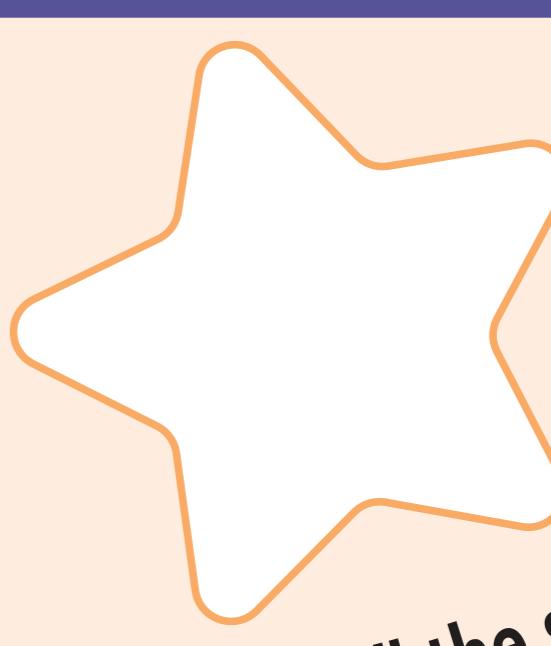
Review & Learn
<p>Catch the missed  stars - try those questions again!</p>  <div style="position: absolute; bottom: 0; right: 0; background-color: #fff; padding: 5px; border: 1px solid #ccc; border-radius: 5px;">           Caught all the stars?          COLOUR in this mega-star as a reward!       </div>

# Day 26

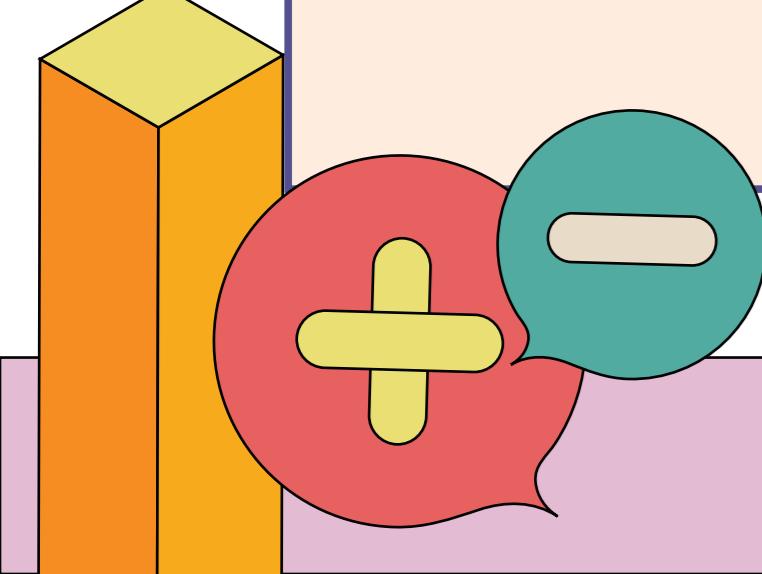
Mental Calculation	Time Taken:	Stars Missed:
★ $36 \div (\ ) = 6$	★ $10 \div (\ ) = 5$	★ $( ) \div 2 = 2$
★ $( ) \div 7 = 3$	★ $( ) \div 4 = 3$	★ $10 \div (\ ) = 2$
★ $( ) \div 8 = 6$	★ $( ) \div 4 = 8$	★ $3 \div (\ ) = 1$
★ $( ) \div 3 = 3$	★ $35 \div (\ ) = 5$	★ $( ) \div 3 = 4$
★ $( ) \div 4 = 1$	★ $( ) \div 3 = 2$	★ $( ) \div 9 = 6$
★ $( ) \div 5 = 5$	★ $( ) \div 4 = 2$	★ $54 \div (\ ) = 9$
★ $( ) \div 9 = 2$	★ $24 \div (\ ) = 6$	★ $( ) \div 5 = 7$
★ $18 \div (\ ) = 3$	★ $( ) \div 7 = 2$	★ $( ) \div 9 = 8$

Written Calculation			
★ $849 \div 3 =$ $3\sqrt{849}$	★ $940 \div 4 =$ $4\sqrt{940}$	★ $831 \div 3 =$ $3\sqrt{831}$	★ $723 \div 3 =$ $3\sqrt{723}$

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



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



# Day 27

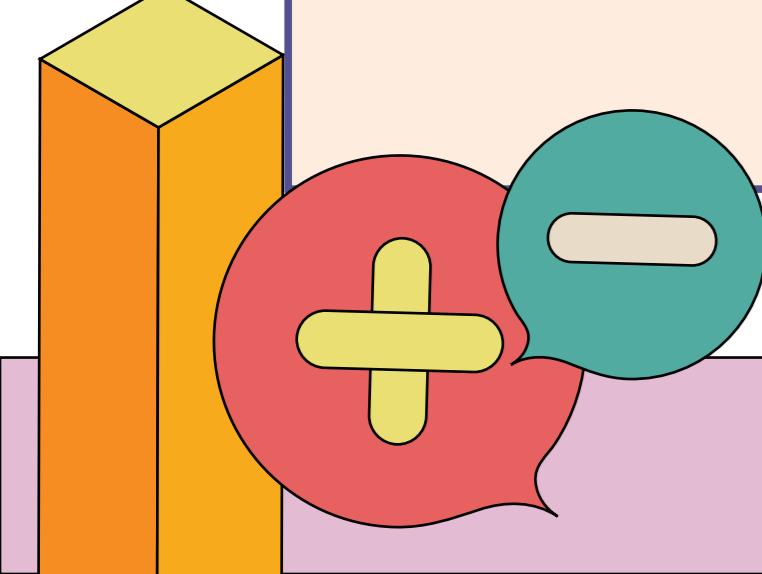
Mental Calculation	Time Taken:	Stars Missed:
★ $(\ ) \div 6 = 7$	★ $(\ ) \div 7 = 8$	★ $(\ ) \div 8 = 8$
★ $(\ ) \div 4 = 9$	★ $(\ ) \div 5 = 6$	★ $(\ ) \div 3 = 8$
★ $63 \div (\ ) = 9$	★ $(\ ) \div 8 = 3$	★ $(\ ) \div 3 = 7$
★ $(\ ) \div 8 = 2$	★ $15 \div (\ ) = 3$	★ $(\ ) \div 9 = 1$
★ $(\ ) \div 6 = 2$	★ $6 \div (\ ) = 3$	★ $(\ ) \div 9 = 7$
★ $(\ ) \div 4 = 4$	★ $(\ ) \div 2 = 1$	★ $(\ ) \div 4 = 7$
★ $56 \div (\ ) = 7$	★ $12 \div (\ ) = 6$	★ $(\ ) \div 8 = 9$
★ $42 \div (\ ) = 6$	★ $(\ ) \div 9 = 4$	★ $(\ ) \div 9 = 3$

Written Calculation			
★ $764 \div 2 =$ $2 \overline{)764}$	★ $742 \div 2 =$ $2 \overline{)742}$	★ $688 \div 2 =$ $2 \overline{)688}$	★ $921 \div 3 =$ $3 \overline{)921}$

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:
★ $30 \div (\ ) = 5$	★ $( ) \div 7 = 4$	★ $32 \div (\ ) = 4$
★ $( ) \div 9 = 9$	★ $5 \div (\ ) = 1$	★ $( ) \div 3 = 6$
★ $( ) \div 7 = 1$	★ $( ) \div 6 = 4$	★ $( ) \div 2 = 8$
★ $15 \div (\ ) = 5$	★ $49 \div (\ ) = 7$	★ $14 \div (\ ) = 7$
★ $( ) \div 6 = 1$	★ $8 \div (\ ) = 1$	★ $( ) \div 8 = 5$
★ $45 \div (\ ) = 5$	★ $( ) \div 4 = 5$	★ $( ) \div 3 = 9$
★ $18 \div (\ ) = 9$	★ $( ) \div 5 = 9$	★ $( ) \div 2 = 4$
★ $20 \div (\ ) = 4$	★ $40 \div (\ ) = 8$	★ $48 \div (\ ) = 8$

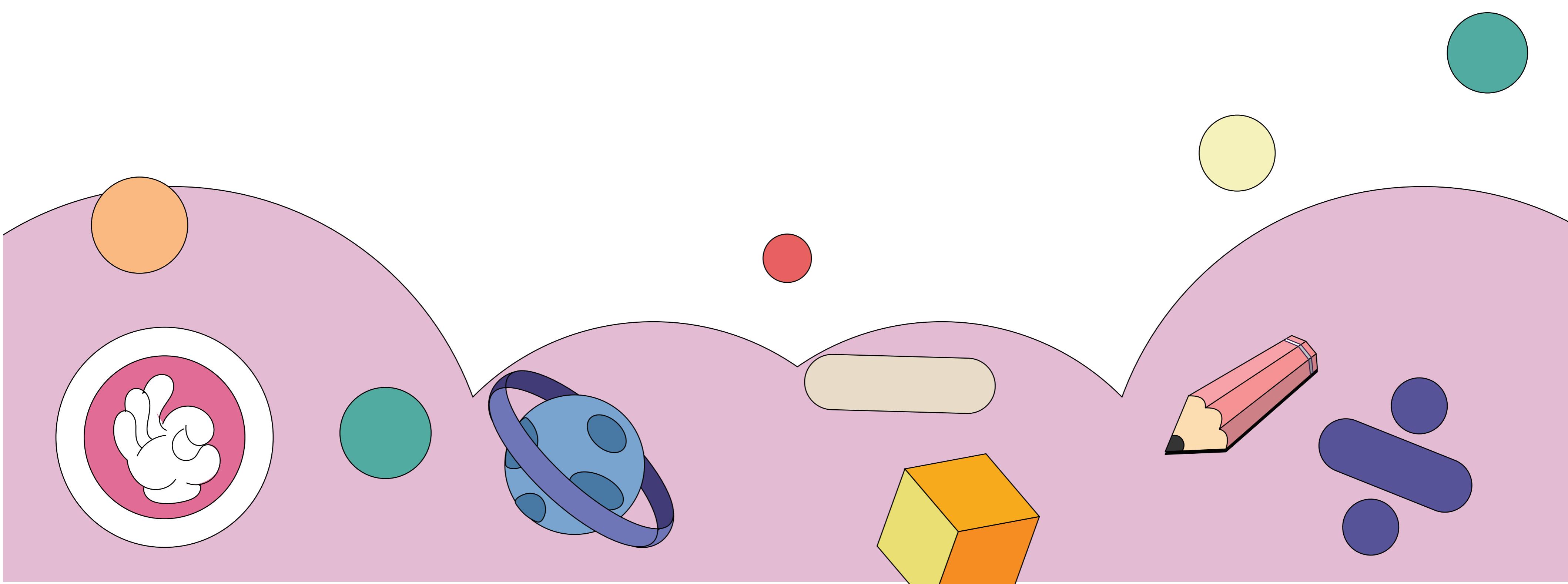
Written Calculation			
★ $978 \div 6 =$ 6 $\overline{)978}$	★ $404 \div 2 =$ 2 $\overline{)404}$	★ $906 \div 2 =$ 2 $\overline{)906}$	★ $858 \div 2 =$ 2 $\overline{)858}$

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:
★ $(\ ) \div 9 = 7$	★ $(\ ) \div 3 = 4$	★ $24 \div (\ ) = 6$
★ $(\ ) \div 6 = 6$	★ $12 \div (\ ) = 4$	★ $36 \div (\ ) = 4$
★ $12 \div (\ ) = 4$	★ $(\ ) \div 6 = 5$	★ $36 \div (\ ) = 4$
★ $(\ ) \div 6 = 5$	★ $(\ ) \div 7 = 5$	★ $14 \div (\ ) = 2$
★ $(\ ) \div 7 = 5$	★ $(\ ) \div 6 = 4$	★ $(\ ) \div 5 = 4$
★ $(\ ) \div 9 = 8$	★ $14 \div (\ ) = 7$	★ $36 \div (\ ) = 4$
★ $(\ ) \div 4 = 6$	★ $24 \div (\ ) = 4$	★ $(\ ) \div 4 = 9$
★ $20 \div (\ ) = 4$	★ $(\ ) \div 4 = 6$	★ $18 \div (\ ) = 3$

Written Calculation			
★ $616 \div 2 =$ $2\sqrt{616}$	★ $874 \div 2 =$ $2\sqrt{874}$	★ $795 \div 3 =$ $3\sqrt{795}$	★ $320 \div 4 =$ $4\sqrt{320}$

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:
⭐ ( ) ÷ 4 = 9	⭐ 72 ÷ ( ) = 8	⭐ 56 ÷ ( ) = 7
⭐ ( ) ÷ 2 = 1	⭐ ( ) ÷ 8 = 2	⭐ ( ) ÷ 2 = 1
⭐ ( ) ÷ 5 = 9	⭐ 24 ÷ ( ) = 4	⭐ ( ) ÷ 6 = 3
⭐ 12 ÷ ( ) = 6	⭐ ( ) ÷ 2 = 6	⭐ ( ) ÷ 3 = 1
⭐ 12 ÷ ( ) = 6	⭐ 9 ÷ ( ) = 3	⭐ 32 ÷ ( ) = 8
⭐ ( ) ÷ 5 = 8	⭐ ( ) ÷ 8 = 9	⭐ ( ) ÷ 4 = 1
⭐ 72 ÷ ( ) = 9	⭐ 9 ÷ ( ) = 3	⭐ 14 ÷ ( ) = 7
⭐ ( ) ÷ 6 = 6	⭐ ( ) ÷ 4 = 4	⭐ ( ) ÷ 6 = 4

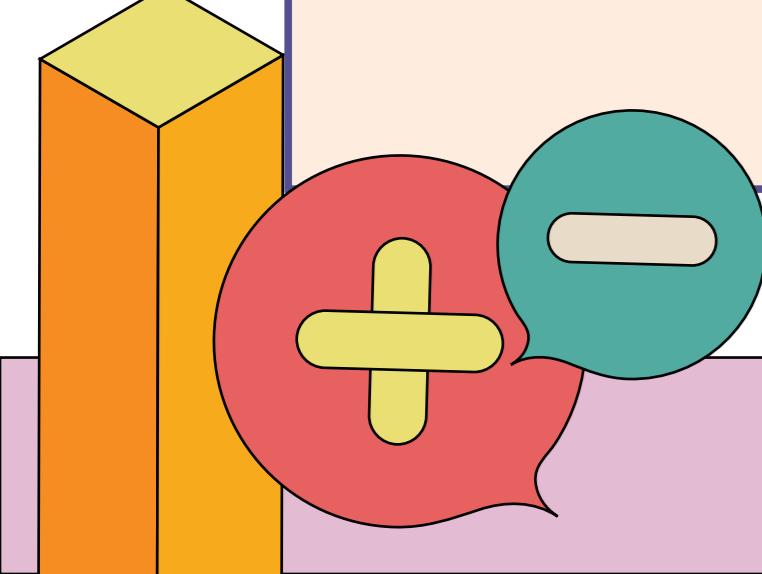
Written Calculation			
⭐ 624 ÷ 4 =	⭐ 310 ÷ 5 =	⭐ 740 ÷ 4 =	⭐ 256 ÷ 4 =
4\overline{)624}	5\overline{)310}	4\overline{)740}	4\overline{)256}

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

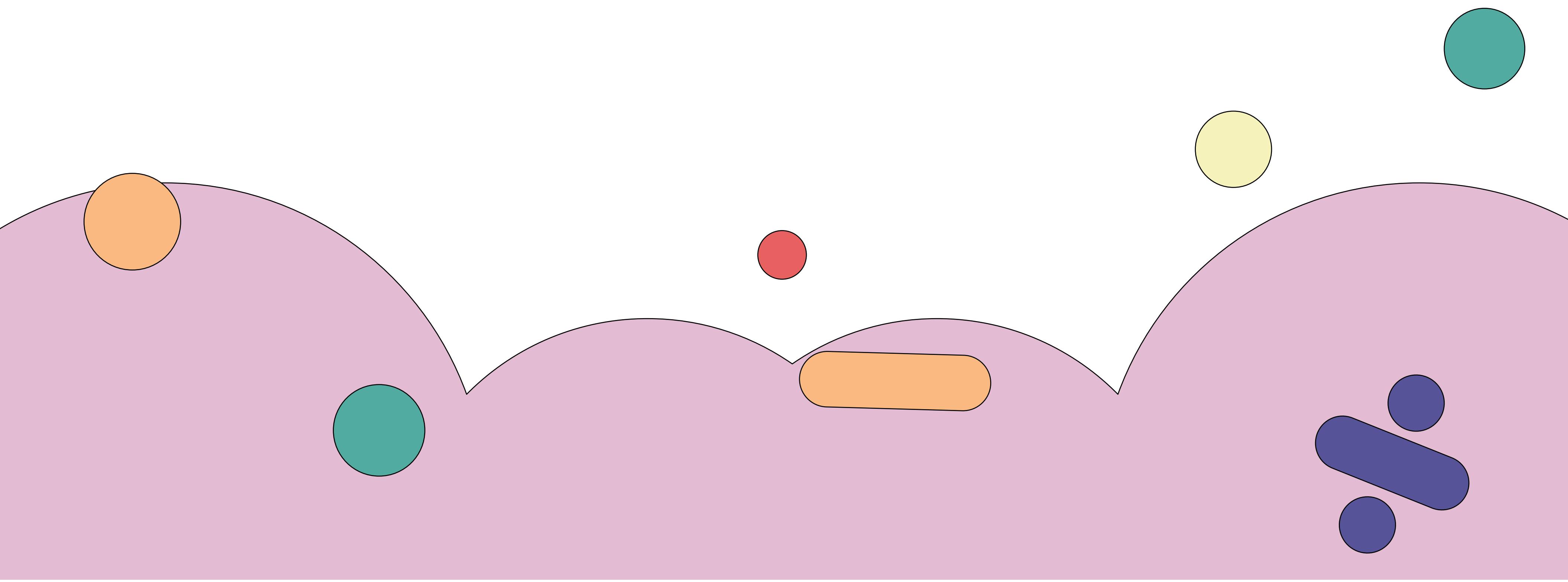
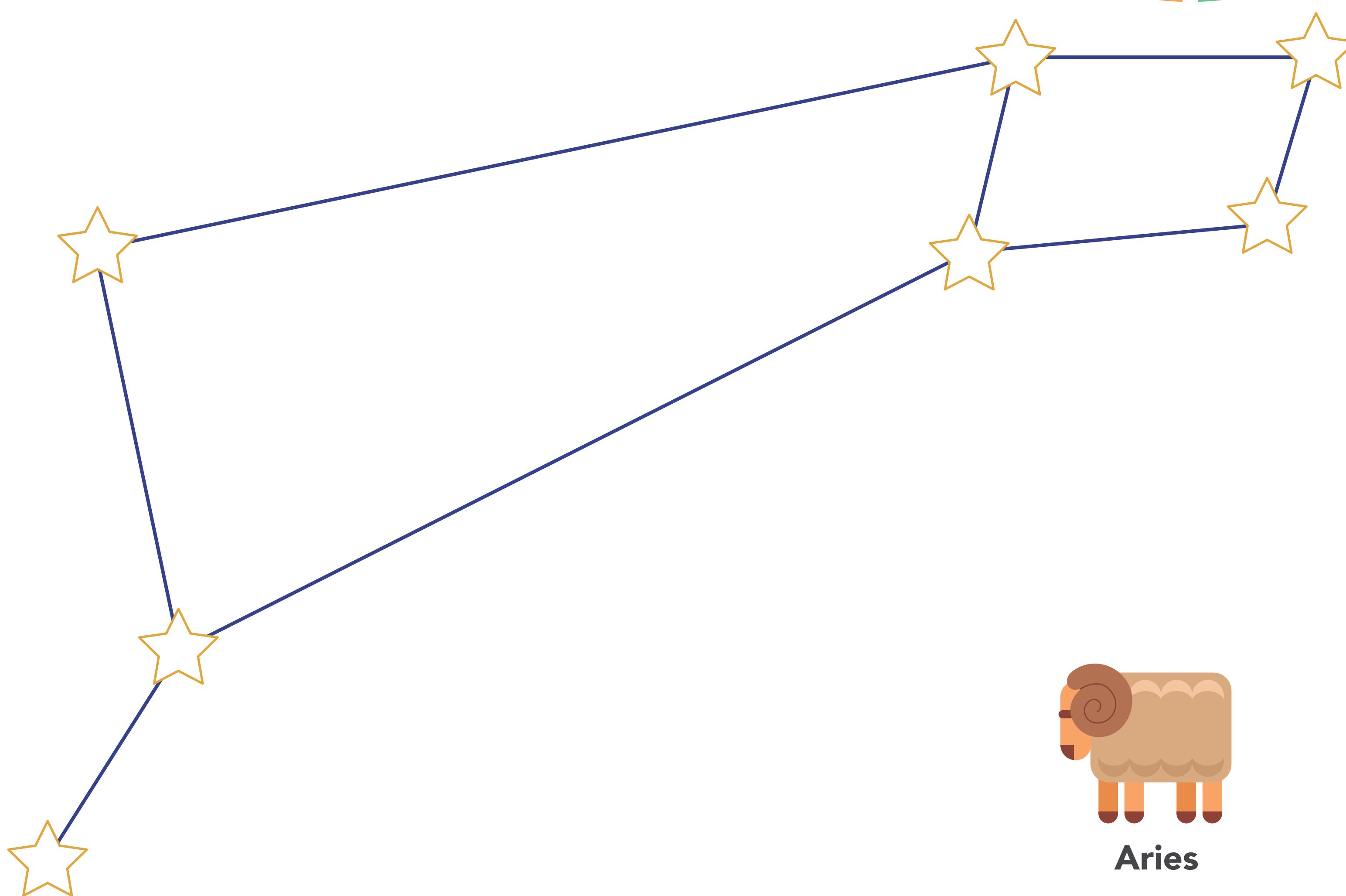
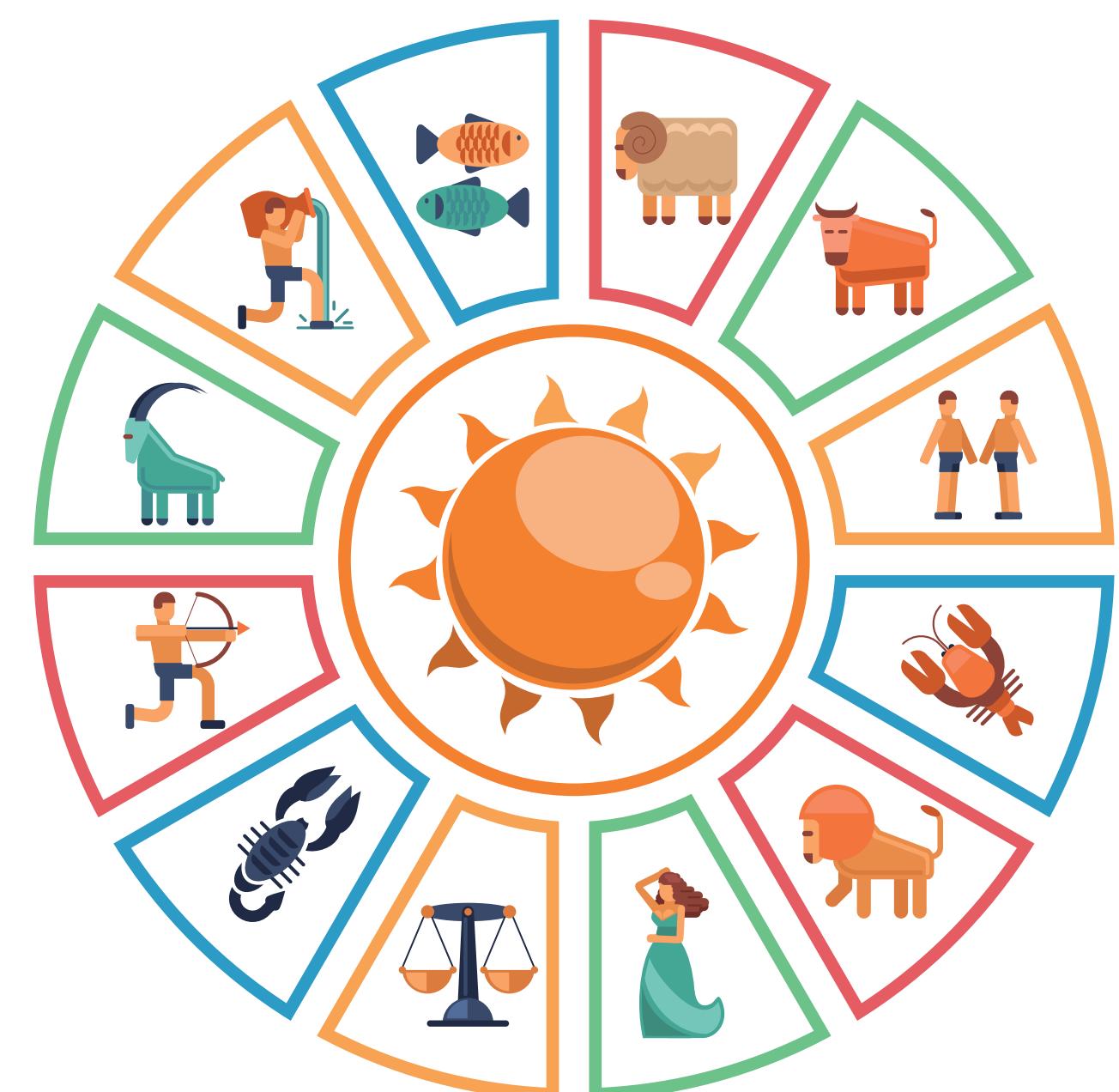


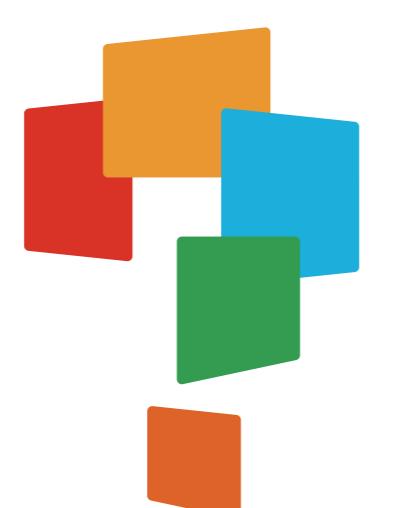
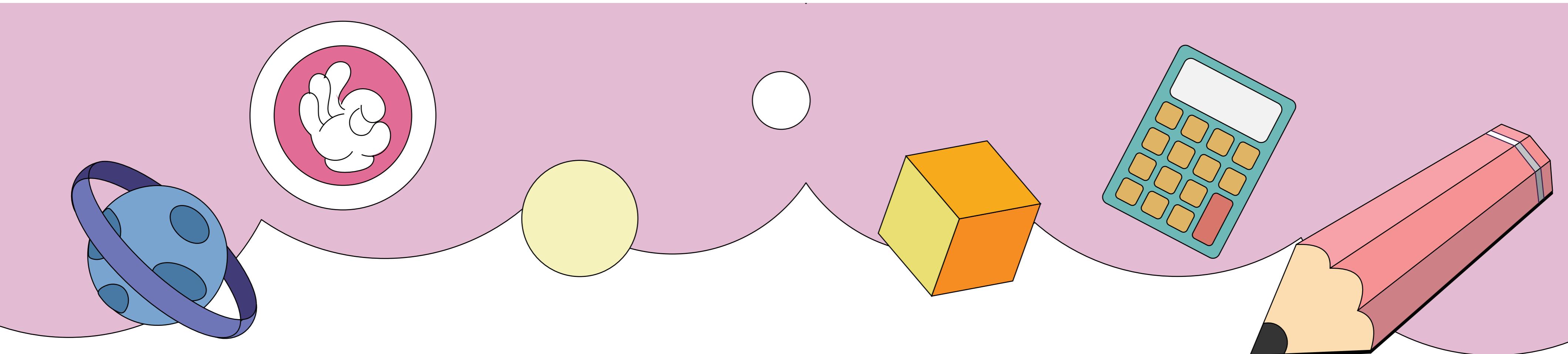
Caught all the stars?  
COLOUR in this mega-star as a reward!



## Constellation of the Month

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





# Think Academy

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