


















Addition, Subtraction, Multiplication and Division: Bonkers BODMAS

<p>Aim: Use their knowledge of the order of operations to carry out calculations involving the four operations.</p> <p>I can correctly use the order of operations to carry out calculations.</p>	<p>Success Criteria: I know the order of operations.</p> <p>I can use the order of operations to work out and check calculations.</p>	<p>Resources: Lesson Pack Scissors Glue sticks</p>
	<p>Key/New Words: BODMAS, brackets, order, division, multiplication, addition, subtraction.</p>	<p>Preparation: Multiplication Mayhem Square - one per pair BODMAS Calculation Cards - one per pair BODMAS Matching Activity Sheet - one per child BODMAS Calculation Activity Sheet - one per child Extra Challenge Activity Sheet - as required</p>

Prior Learning: It will be helpful if children are familiar with methods of calculations for the four main operations (addition, subtraction, multiplication and division).

Learning Sequence

	<p>Multiplication Mayhem: The children work in pairs to find missing numbers and correct mistakes on the Multiplication Mayhem Activity Sheet. They are given one minute to complete as much as they can.</p>	
	<p>What Is BODMAS? Go through the slides from the Lesson Presentation to explain what BODMAS is, giving examples. Repeat with additional examples if necessary.</p>	
	<p>Correct Calculations: Using the Lesson Presentation, the children work out which calculations give the answer desired. <i>Can the children explain how they completed the calculation? Did the children use BODMAS? Did the children check their answer?</i></p>	
 	<p>Bonkers BODMAS: Explain to the children that they will be completing a range of questions that will require them to perform calculations using BODMAS.</p> <p> In pairs, the children sort the BODMAS Calculation Cards into true or false categories, <i>checking the calculations using BODMAS.</i></p> <p> Children <i>complete a series of calculations using BODMAS</i> to match questions with the corresponding answer to complete BODMAS Matching Activity Sheet.</p> <p> Children <i>complete a series of calculations involving BODMAS</i> using BODMAS Calculation Activity Sheet. An Extra Challenge Activity Sheet is provided as an extension activity if required.</p>	
	<p>Diving into Mastery: Schools using a mastery approach may prefer to use the following as an alternative activity. These sheets might not necessarily be used in a linear way. Some children might begin at the 'Deeper' section and in fact, others may 'dive straight in' to the 'Deepest' section if they have already mastered the skill and are applying this to show their depth of understanding.</p> <p> Children use their knowledge of the order of operations (BODMAS) in order to complete fluency problems.</p> <p> Children explore answering reasoning problems which involve knowledge and understanding of the order of operations (BODMAS).</p> <p> Children use problem solving skills in order to answer an open-ended task that involves a greater depth of thinking when using the order of operations (BODMAS).</p>	



Picture This: As a whole class, children choose a calculation to complete using BODMAS. If the calculation answer is correct, part of a picture is revealed. Can the children correctly guess the picture before the calculations are complete?



Explore it

Make it: Children create their own poster to demonstrate BODMAS using this _____ as a guide.

Complete it: Practise BODMAS by completing this challenging _____.

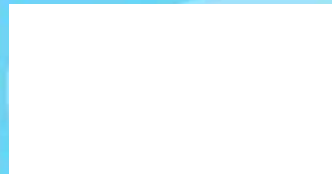
Create it: Children create a game that allows players to practise BODMAS by answering a series of questions.



Maths

Addition, Subtraction,
Multiplication and Division

Bonkers BODMAS



Aim

- I can correctly use the order of operations to carry out calculations.

Success Criteria

- I know the order of operations.
- I can use the order of operations to work out and check calculations.

Multiplication Mayhem



In pairs, fill in the missing numbers on the Multiplication Mayhem Square.
How many can you complete in one minute?

Multiplication Mayhem


Fill in the missing multipliers. Included in the multiplication square are some incorrect numbers to catch these in, to show the errors.

×	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5		7	8	9	10	11	12
2	2	4	6	8	10	15	16	18		20	22	24
3	3	6	9	12	15	18	20			30	33	36
4	4	8	12		20	24	28	32		40	44	48
5	5	10	15	20	25	30	35	40	45	50		60
6	6	12		24			42	48	54	60	66	72
7	7	14	21	28	35		49	56		70	77	
8	8	16	24				56	64		80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99		121	
12	12	24	36	48	60	72	84	96		120	132	144

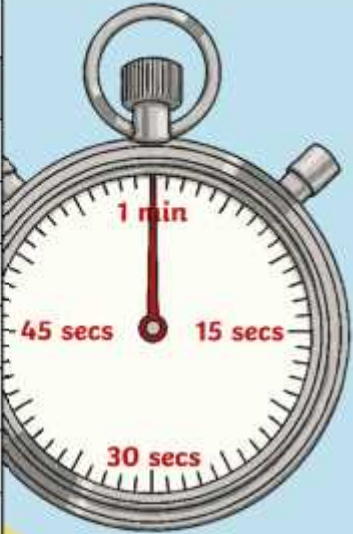
Missing Multiplication



Here are the answers:



×	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144



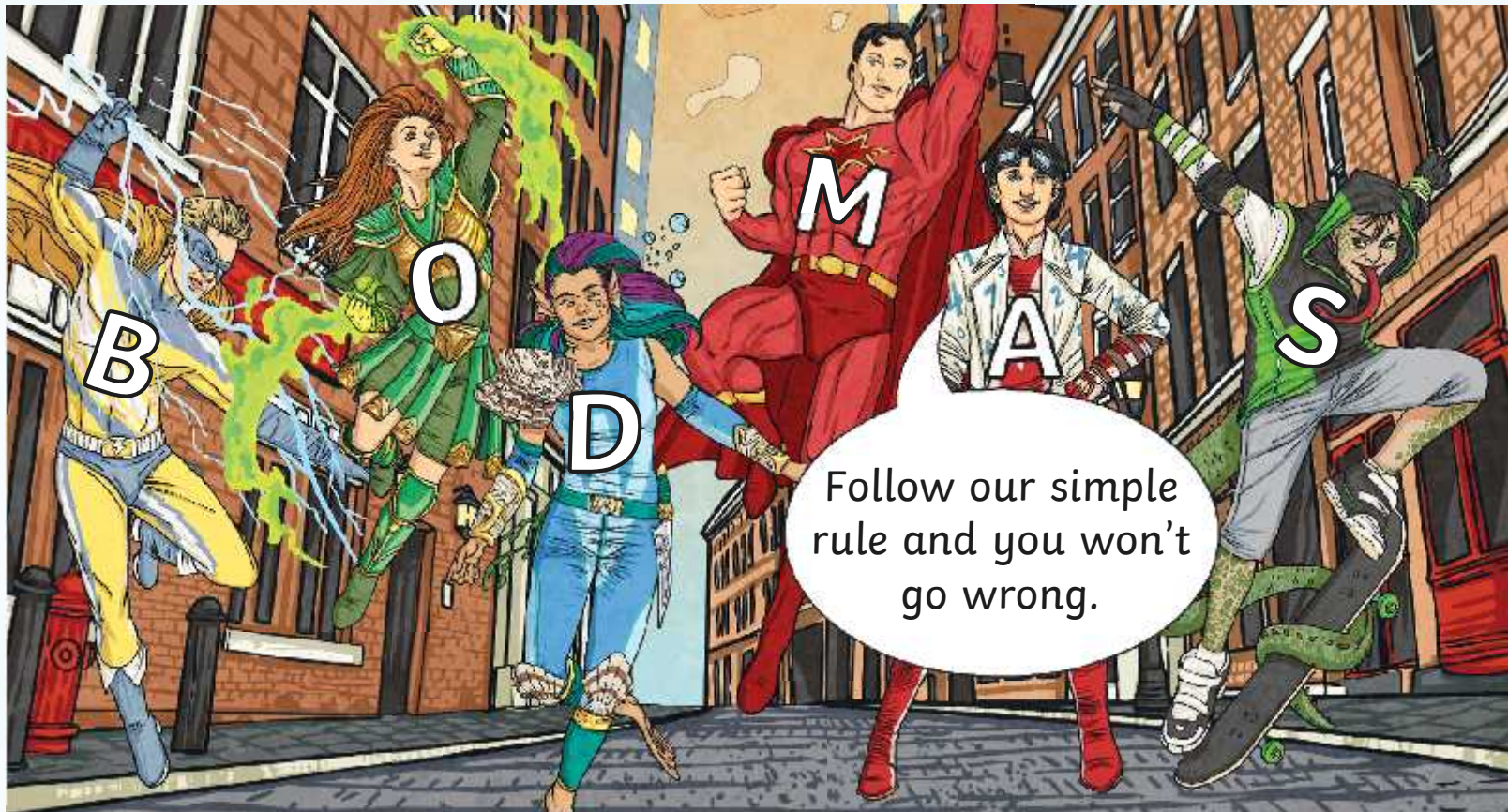
What Is BODMAS?

What do you think the answer to $45 + 9 \times 5$ is?



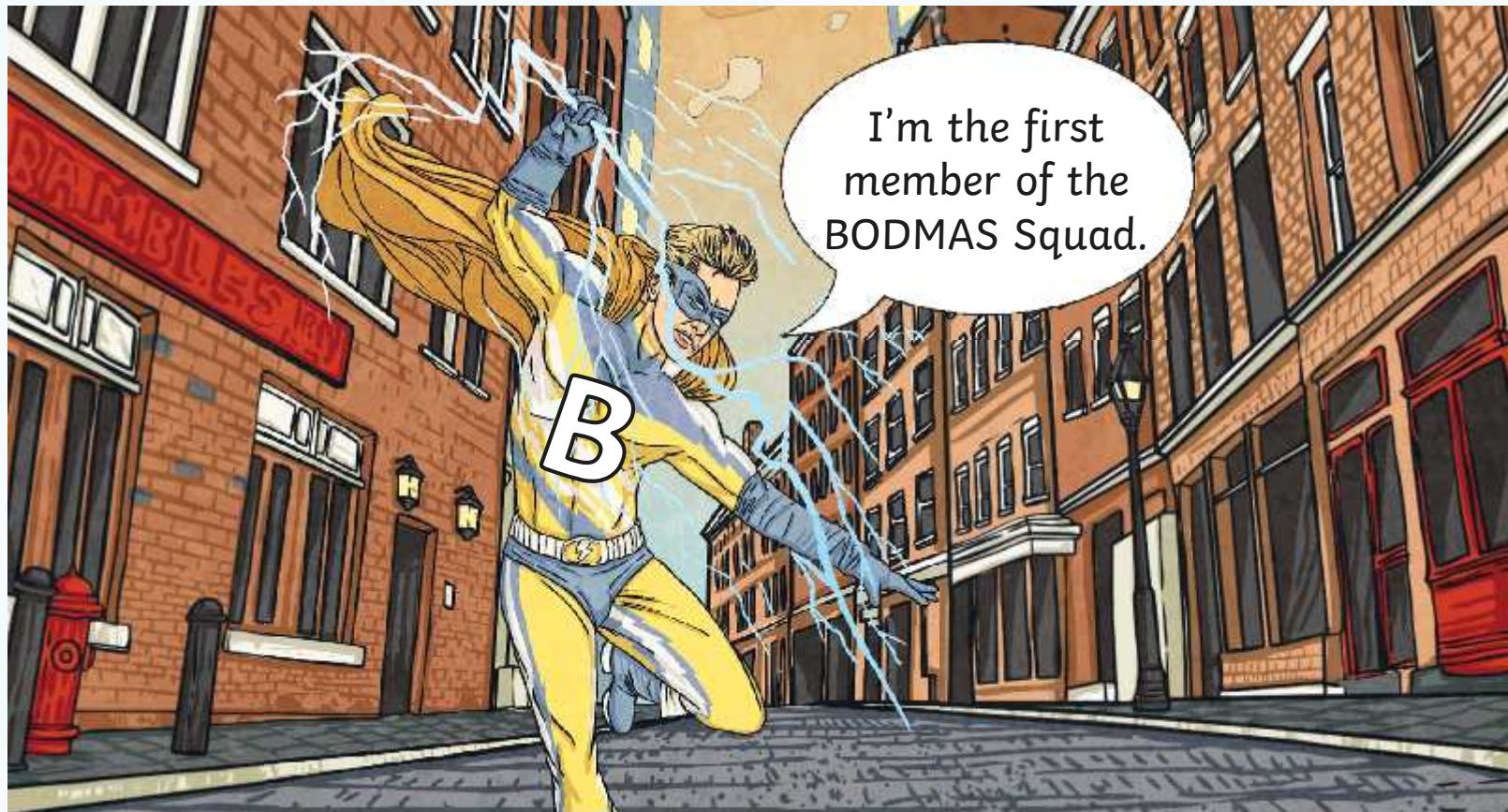
What Is BODMAS?

What do you think the answer to $45 + 9 \times 5$ is?



What Is BODMAS?

Let's meet the BODMAS Squad.



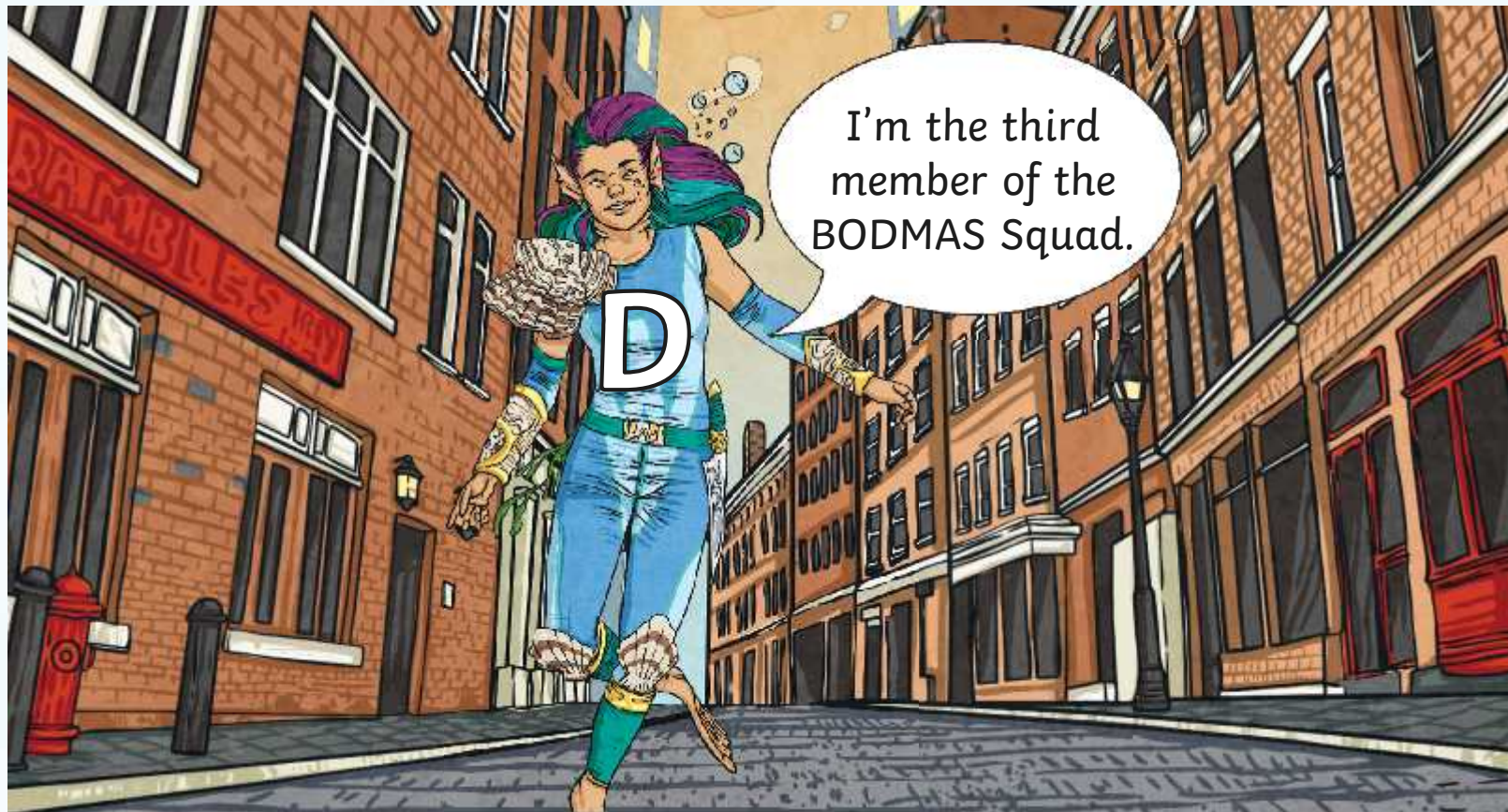
What Is BODMAS?

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What Is BODMAS?

Let's meet the BODMAS Squad.



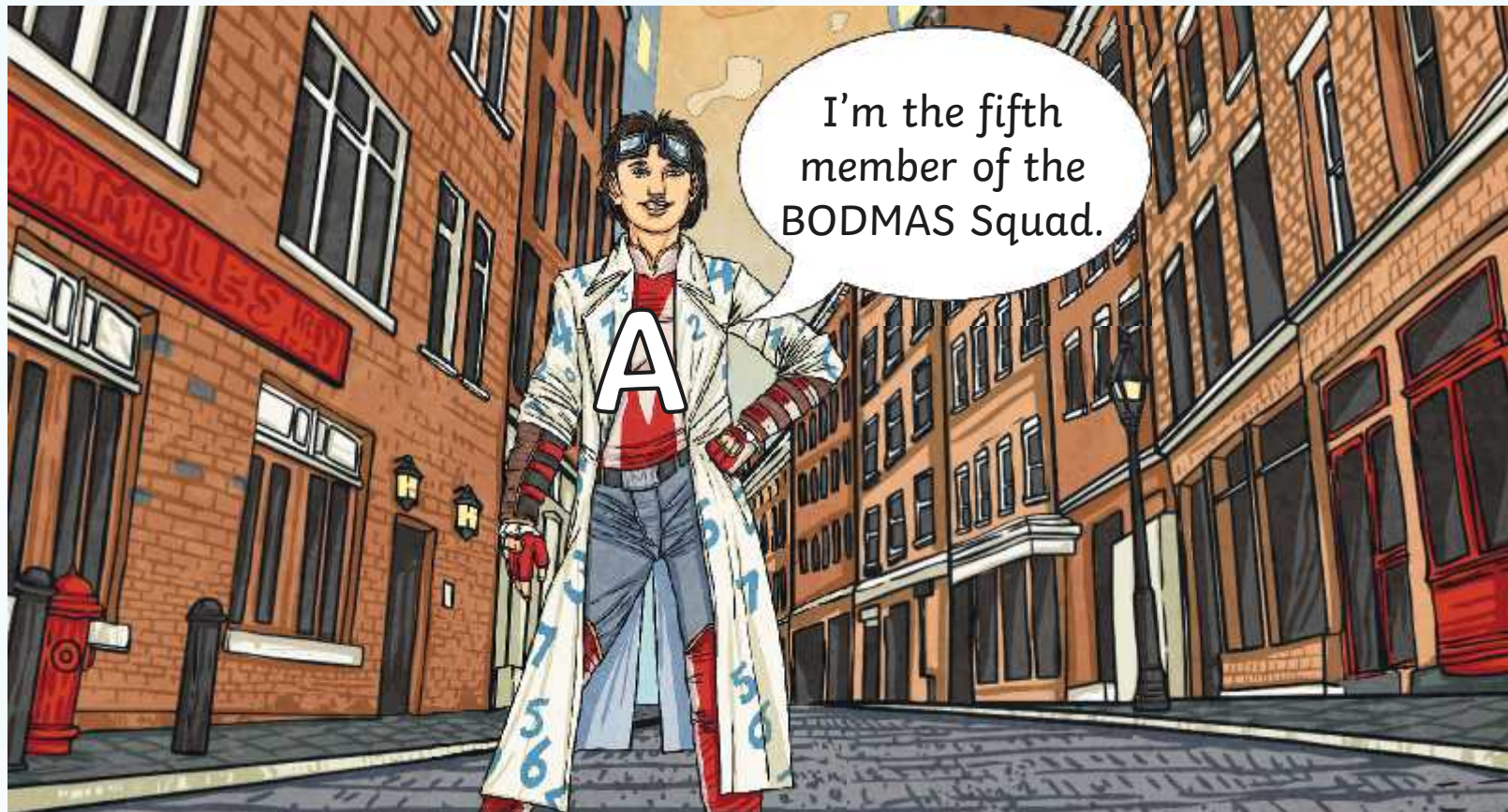
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What Is BODMAS?

Let's meet the BODMAS Squad.



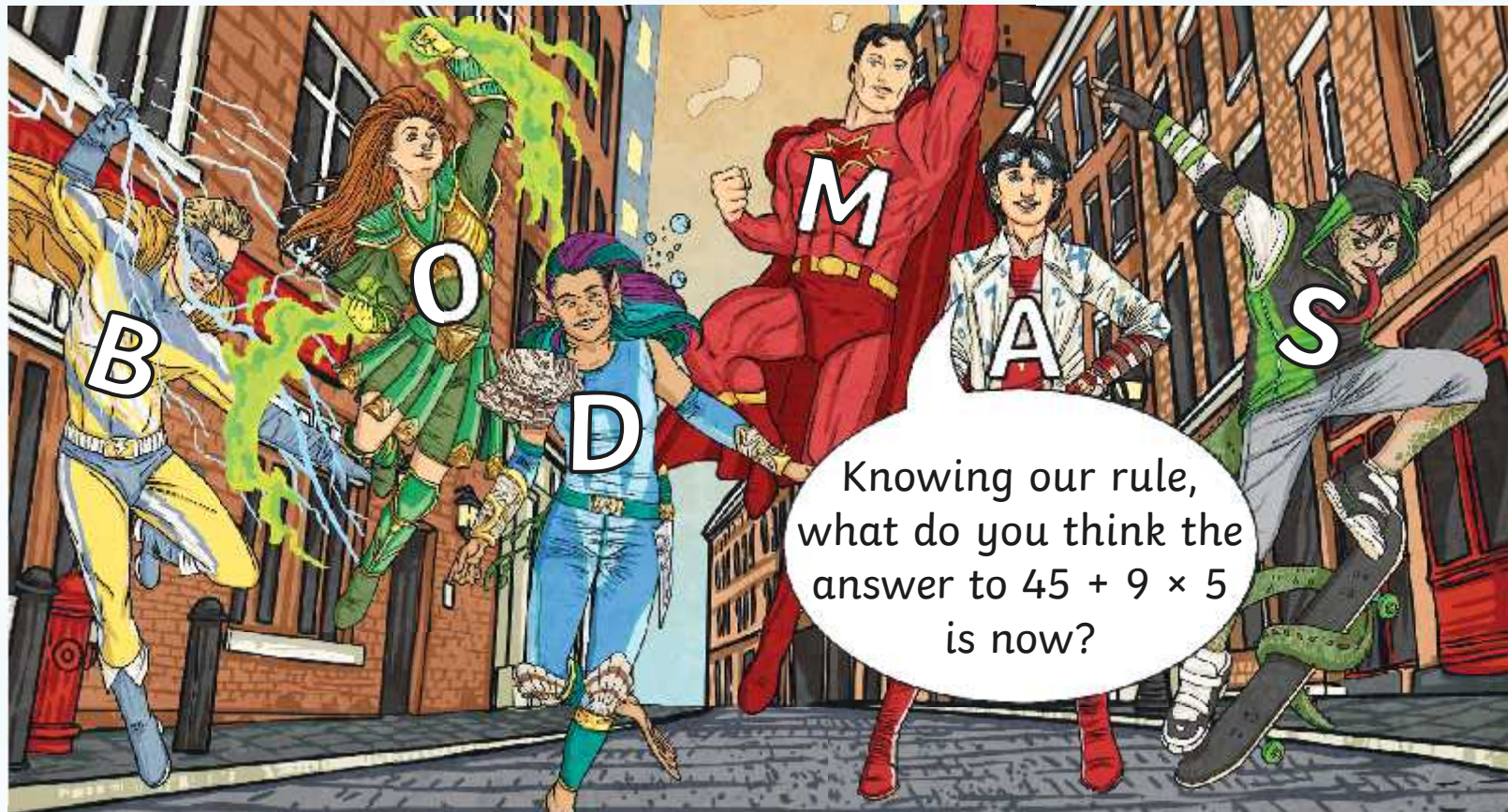
What Is BODMAS?

Let's meet the BODMAS Squad.



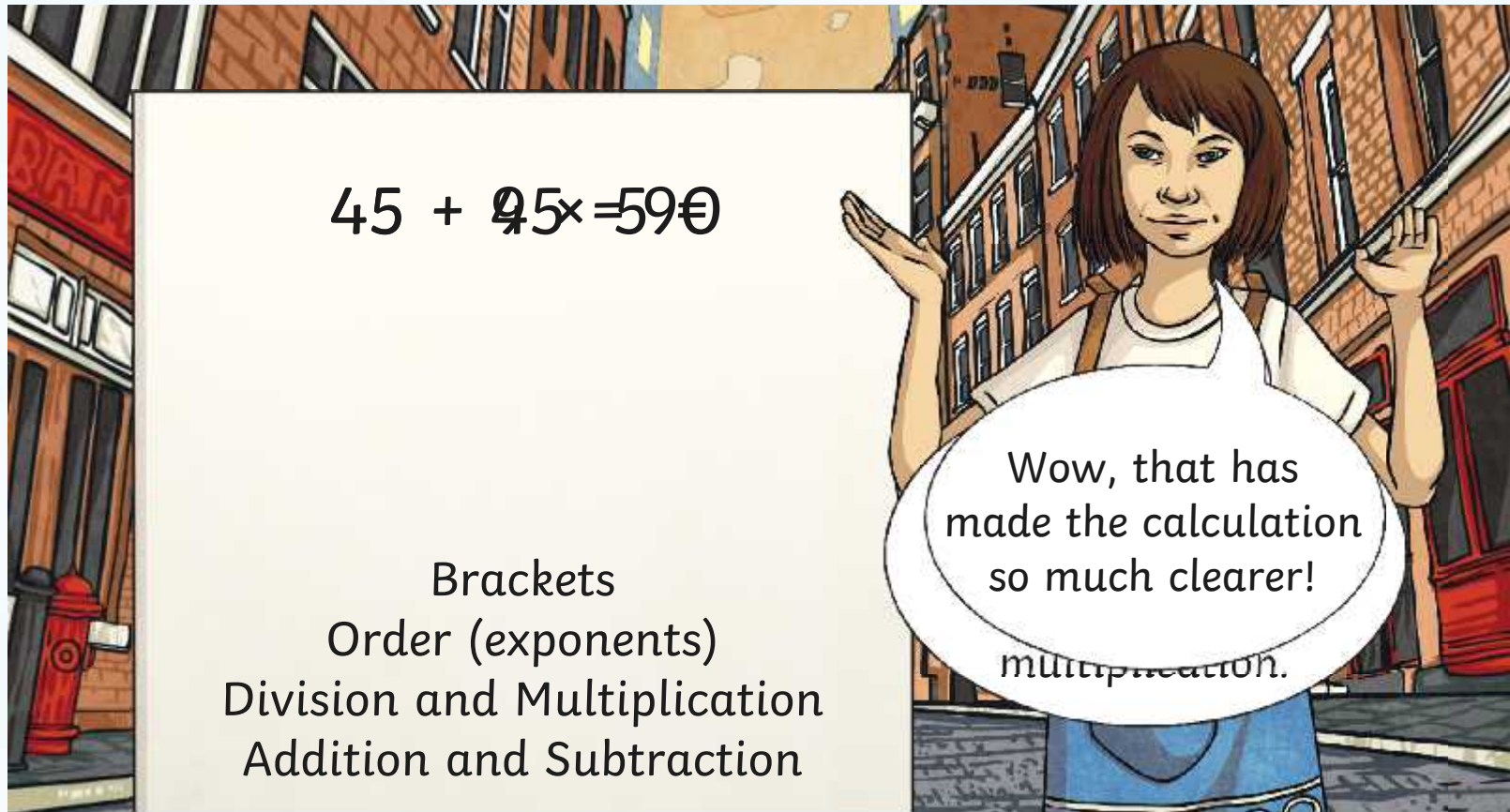
What Is BODMAS?

So here we are: The BODMAS Squad.
Brackets, Orders, Division, Multiplication, Addition and Subtraction.



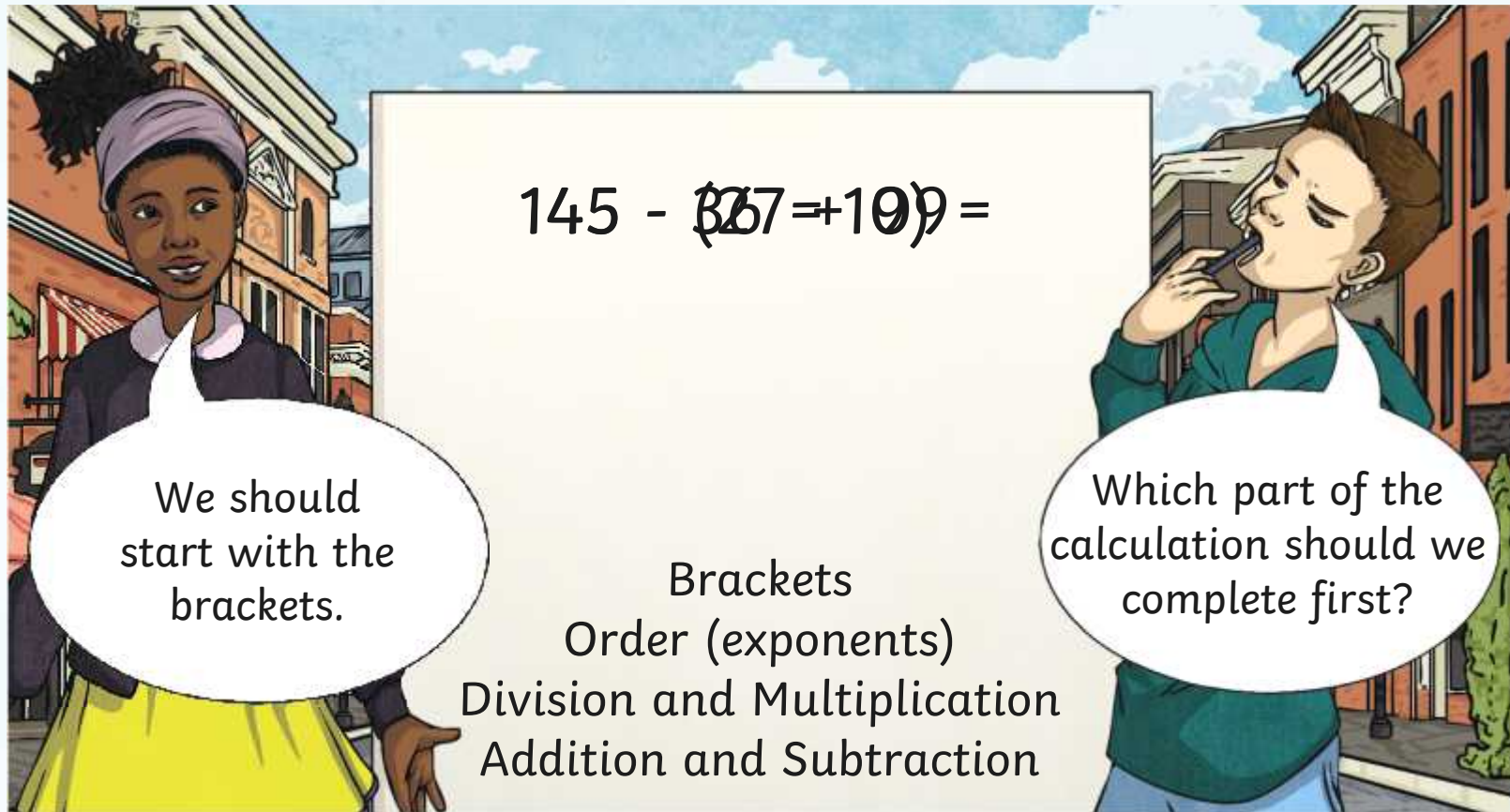
What Is BODMAS?

$$45 + 9 \times 5$$



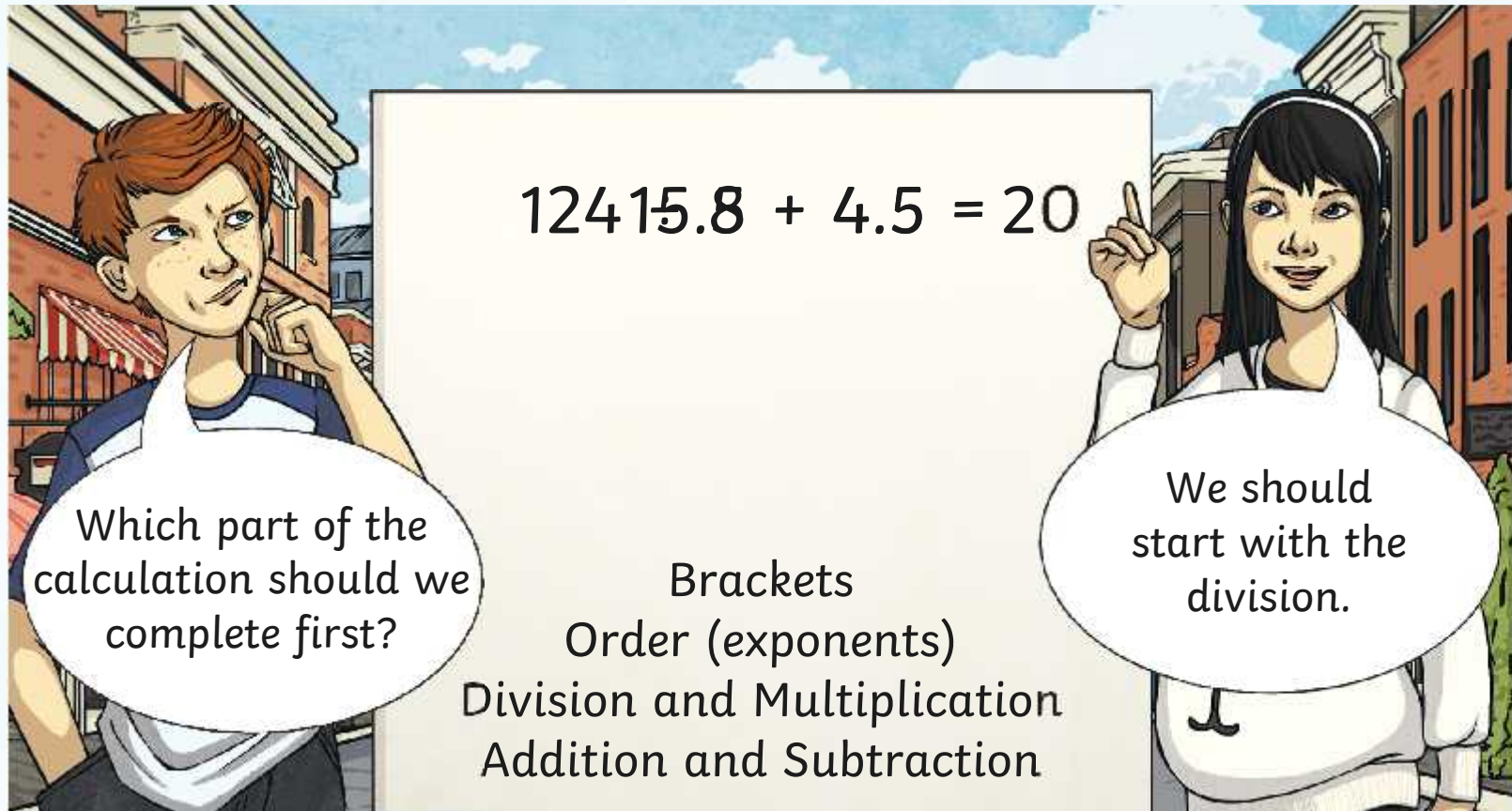
What Is BODMAS?

Let's try some more calculations.



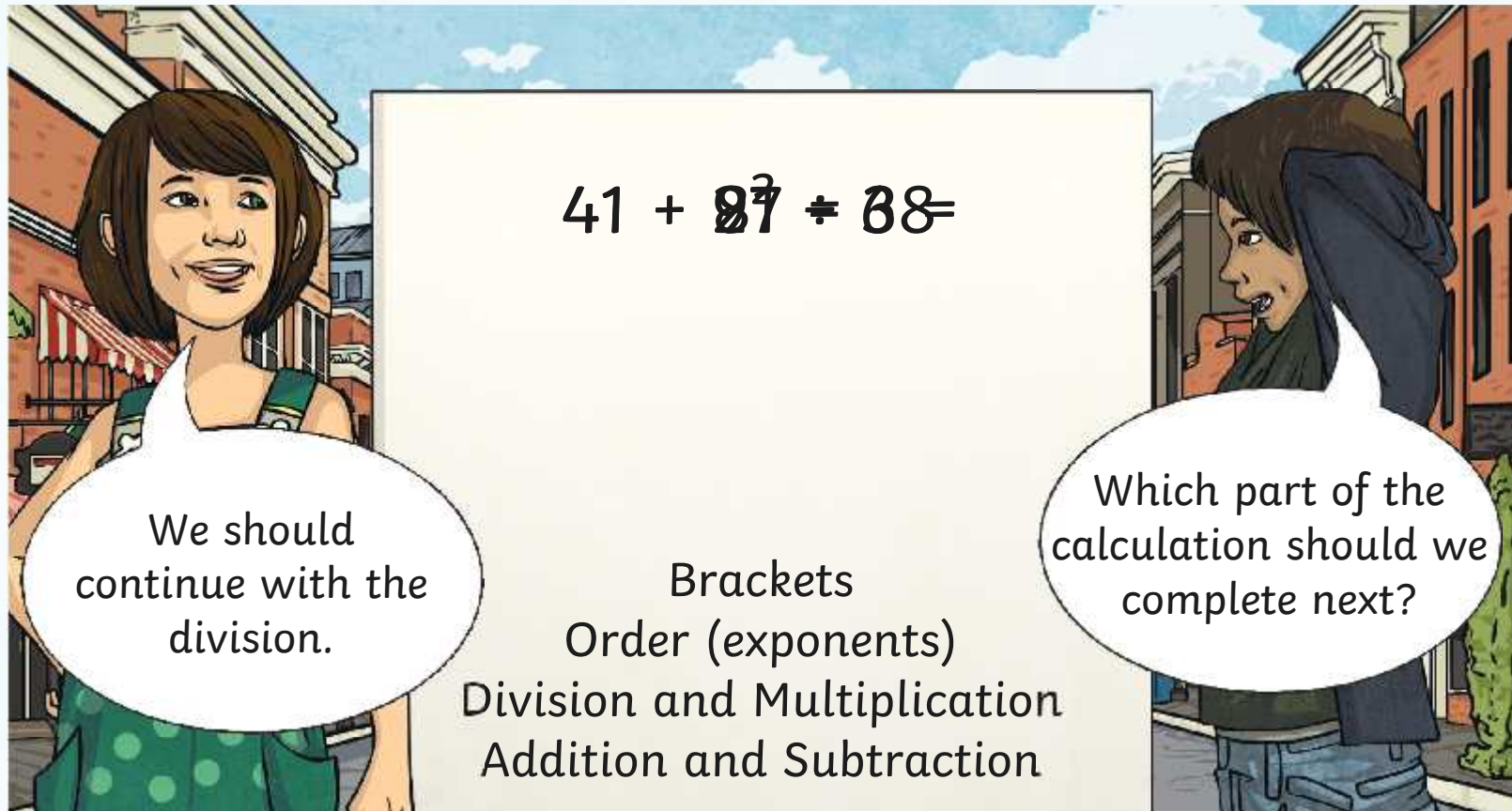
What Is BODMAS?

Let's try some more calculations.



What Is BODMAS?

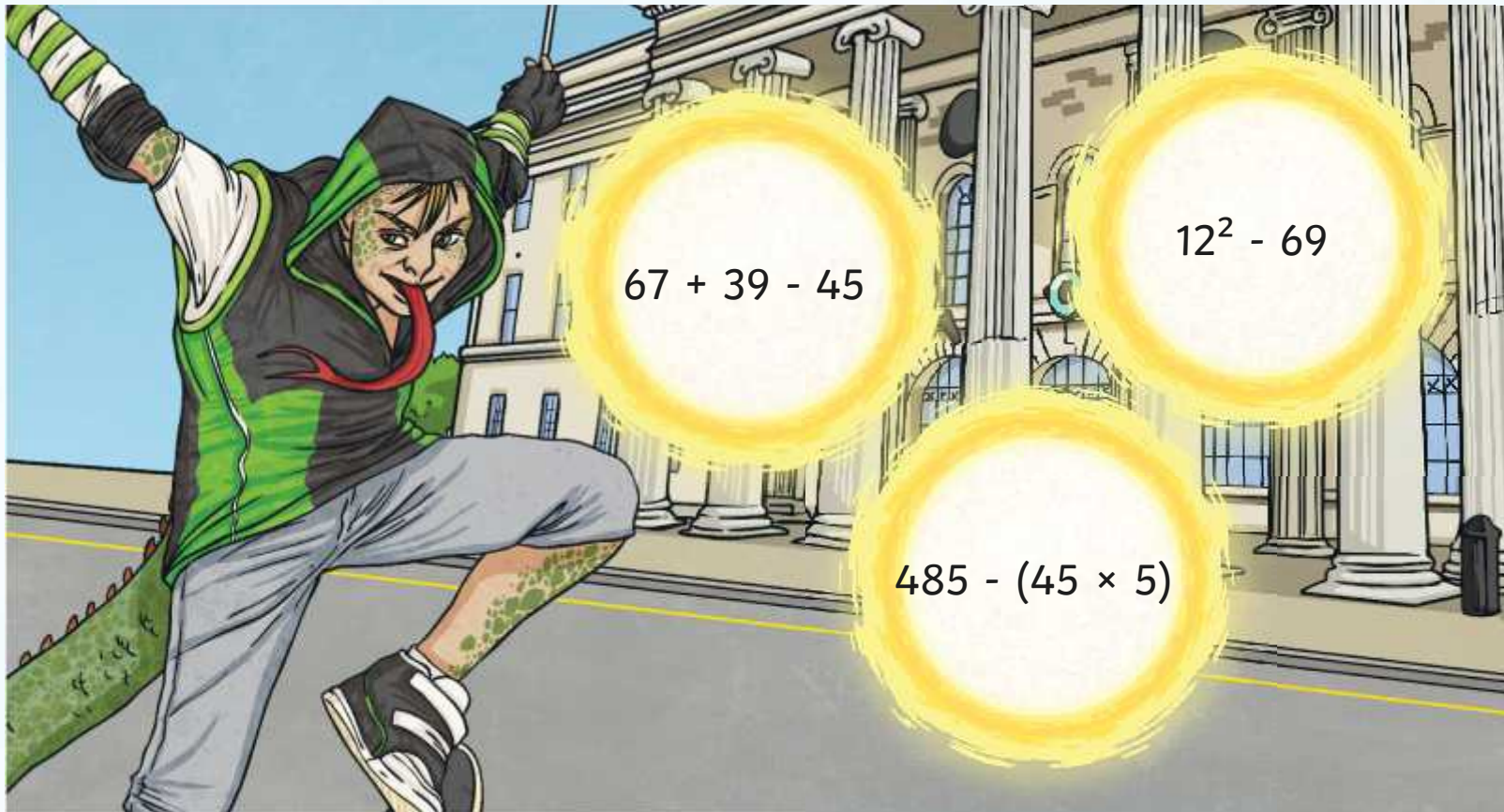
Let's try some more calculations.



Correct Calculation



Which calculation gives the answer 75?



Correct Calculation

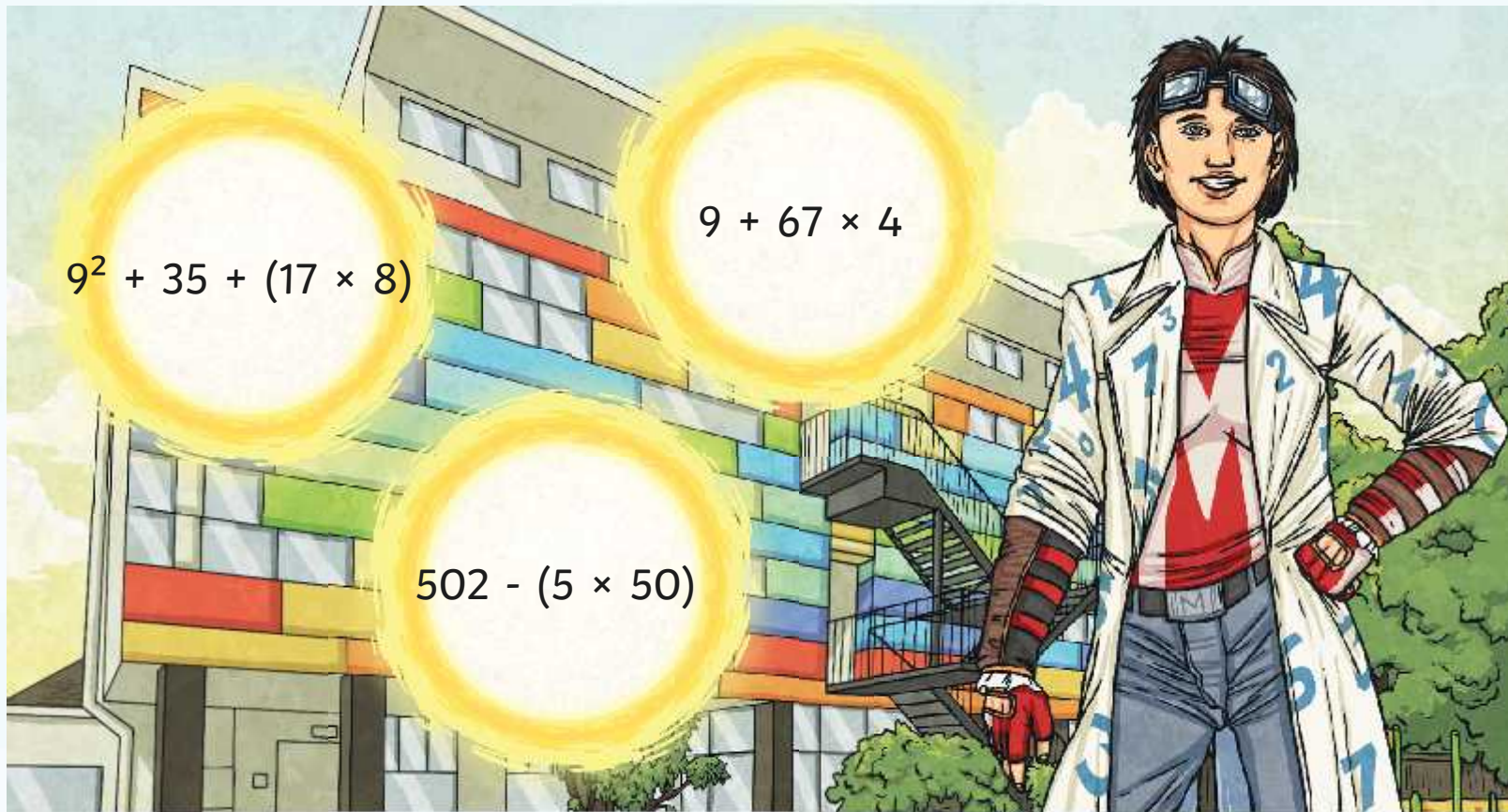


Which calculations give the answer 252?

$$9^2 + 35 + (17 \times 8)$$

$$9 + 67 \times 4$$

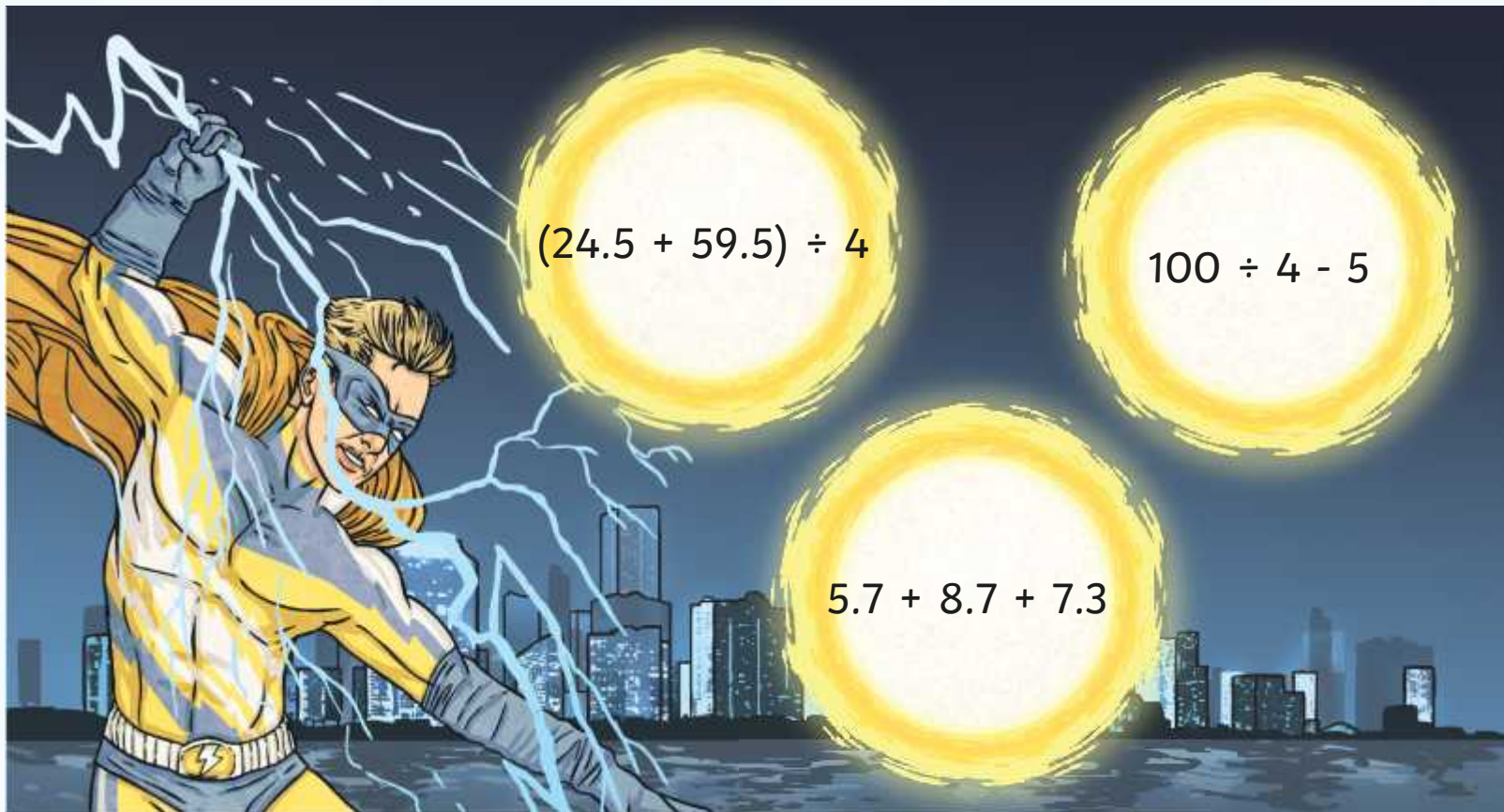
$$502 - (5 \times 50)$$



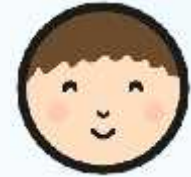
Correct Calculation



Which calculation gives the answer 20?



Bonkers BODMAS



Use your marvellous maths skills to complete these activities:

The image displays a worksheet titled "BODMAS Calculation Cards" overlaid on a background illustration of a superhero character. The superhero is a woman with long red hair, wearing a green and gold suit, standing on a rooftop and emitting green energy from her hand. The worksheet includes a title, instructions, a list of 15 calculation problems, a cartoon character with a speech bubble, and a table of 12 more problems.

BODMAS Calculation Cards

Use your marvellous maths skills to complete these activities.

Use the order of operations to carry out calculations.

1. $2 + 3 \times 4 =$

2. $5 \times 6 + 7 =$

3. $10 - 2 \times 3 =$

4. $15 \div 3 + 4 =$

5. $8 \times 2 - 1 =$

6. $12 \div 4 + 5 =$

7. $3 \times 5 + 2 =$

8. $10 - 3 \times 2 =$

9. $15 \div 3 + 4 =$

10. $8 \times 2 - 1 =$

11. $12 \div 4 + 5 =$

12. $3 \times 5 + 2 =$

13. $10 - 3 \times 2 =$

14. $15 \div 3 + 4 =$

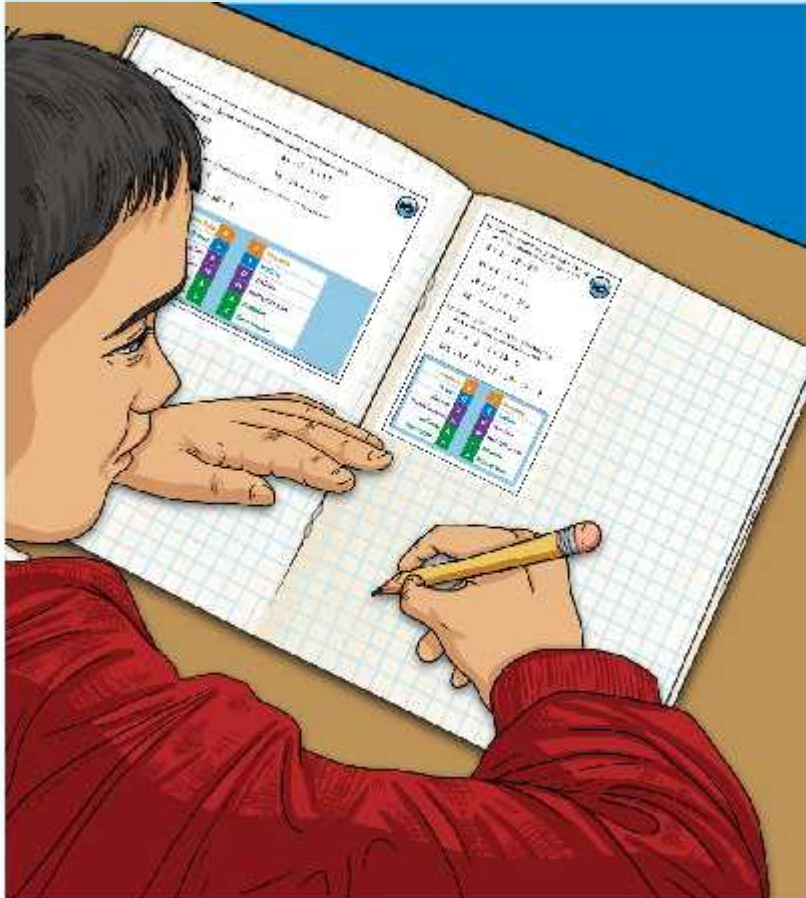
15. $8 \times 2 - 1 =$

Remember to use the order of operations: Brackets, Orders, Division and Multiplication, Addition and Subtraction.

$10 \times 2 + 3 =$	$15 \div 3 + 4 =$	$8 \times 2 - 1 =$
$12 \div 4 + 5 =$	$3 \times 5 + 2 =$	$10 - 3 \times 2 =$
$15 \div 3 + 4 =$	$8 \times 2 - 1 =$	$12 \div 4 + 5 =$
$3 \times 5 + 2 =$	$10 - 3 \times 2 =$	$15 \div 3 + 4 =$

Diving into Mastery

Dive in by completing your own activity!



11 Set up a number line to solve each problem. Write the number on the number line.

$8 + 6 = 12 = 60$

$81 + 6 = 3 = 24$

$19 + 14 = 6 = 198$

$28 + 14 = 5 = 24$

12 Write a word problem for each equation. Write the number on the number line.

$13 \times 5 = 2 = 1 \times 15 = 2$

$181 \div 27 = 5 \quad 17 \div 27 = 16 \div 2$

13 Write a word problem for each equation. Write the number on the number line.

$27 \times 5 = 2 = 1 \times 15 = 2$

$181 \div 27 = 5 \quad 17 \div 27 = 16 \div 2$

14 Write a word problem for each equation. Write the number on the number line.

$27 \times 5 = 2 = 1 \times 15 = 2$

$181 \div 27 = 5 \quad 17 \div 27 = 16 \div 2$

Division	+	-	Division
Division	+	-	Division
Division	+	-	Division
Multiplication	+	-	Multiplication
Addition	+	-	Addition
Subtraction	+	-	Subtraction

Picture This



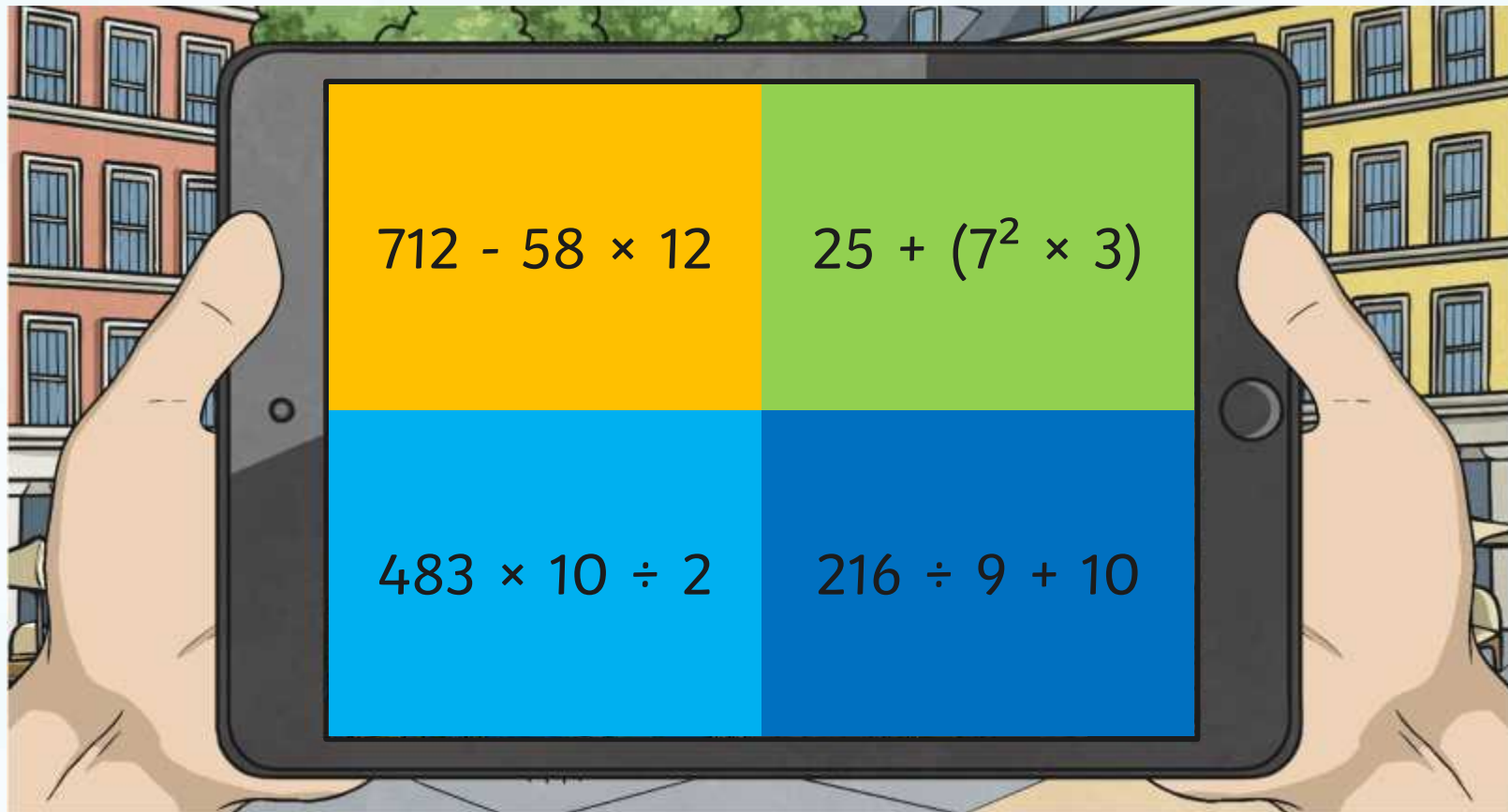
Choose a calculation to complete using BODMAS as a class.



Picture This



Choose a calculation to complete using BODMAS as a class.



Aim



- I can correctly use the order of operations to carry out calculations.

Success Criteria

- I know the order of operations.
- I can use the order of operations to work out and check calculations.





BODMAS Calculation

I can correctly use the order of operations to carry out calculations.



Use the order of operations to complete the following calculations. Once completed, switch your activity sheet with another member of your group and check their work.

Did your partner get their calculations correct?

a) $(483 \times 54) \div 100 =$ _____

b) $154 \times 112 \div 7 =$ _____

c) $14 + 12^2 - 81 =$ _____

d) $583 - (43 \times 4) =$ _____

e) $4 \times 67 \div 5 =$ _____

f) $15^2 \times 3 + 325 =$ _____

g) $583 - 54 \times 6 =$ _____

h) $52.7 + 538 \div 10 =$ _____

i) $235 \times 45 \div 5 =$ _____

j) $684.67 + 385.75 \times 3 =$ _____

Don't forget
your BODMAS order:
Brackets
Orders (exponents)
Division and Multiplication
Addition and Subtraction





BODMAS Calculation **Answers**

Question	Answer
	Use the order of operations to complete the following calculations.
a	$(483 \times 54) \div 100 = \mathbf{260.82}$
b	$154 \times 112 \div 7 = \mathbf{2464}$
c	$14 + 12^2 - 81 = \mathbf{77}$
d	$583 - (43 \times 4) = \mathbf{411}$
e	$4 \times 67 \div 5 = \mathbf{53.6}$
f	$15^2 \times 3 + 325 = \mathbf{1000}$
g	$583 - 54 \times 6 = \mathbf{259}$
h	$52.7 + 538 \div 10 = \mathbf{106.5}$
i	$235 \times 45 \div 5 = \mathbf{2115}$
j	$684.67 + 385.75 \times 3 = \mathbf{1841.92}$



BODMAS Calculation Cards

I can correctly use the order of operations to carry out calculations.



Cut, sort and glue the calculation cards into true or false statements.

True

False



Don't forget
your BODMAS order:
Brackets
Orders (exponents)
Division and Multiplication
Addition and Subtraction

$$14 \times 5 - 60 = 10$$

$$54 + 27 \times 3 = 243$$

$$129 \div 3 \times 2 = 86$$

$$120 - 56 + 44 = 109$$

$$1000 - 571 + 429 = 0$$

$$25 + 108 \div 9 = 37$$

$$183 - 45 \div 5 = 27.6$$

$$50 - 49 \div 7 = 43$$

$$5 + 54 \div 6 = 45$$

$$45 \div 9 + 150 = 159$$



BODMAS Calculation Cards **Answers**

Question	Answer	
	Cut, sort and glue the calculation cards into true or false statements.	
	True	False
	$14 \times 5 - 60 = 10$ $25 + 108 \div 9 = 37$ $129 \div 3 \times 2 = 86$ $50 - 49 \div 7 = 43$ $1000 - 571 + 429 = 0$	$54 + 27 \times 3 = 243$ $183 - 45 \div 5 = 27.6$ $120 - 56 + 44 = 109$ $5 + 54 \div 6 = 45$ $45 \div 9 + 150 = 159$



BODMAS Matching

I can correctly use the order of operations to carry out calculations.



Match the calculation to the correct answer using your knowledge of BODMAS.
One calculation has been done for you.

$72 + 46 \times 7 =$	37
$512 \div 8 - 27 =$	407
$1505 - 732 - 498 =$	281
$9 \times 828 \div 92 =$	806
$37 \times 43 - 1184 =$	394
$598 + 424 - 759 =$	81
$9^2 \times 3 + 38 =$	685
$582 + 28 \times 8 =$	34
$396 - 234 - 128 =$	275
$1000 - 45 \times 7 =$	263

An arrow points from the first calculation box to the 394 answer box.

Don't forget
your BODMAS order:
Brackets
Orders (exponents)
Division and Multiplication
Addition and Subtraction





BODMAS Matching Answers

Question	Answer
Match the calculation to the correct answer using your knowledge of BODMAS.	
$72 + 46 \times 7 =$	37
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$9^2 \times 3 + 38 =$	685
$582 + 28 \times 8 =$	34
$396 - 234 - 128 =$	275
$1000 - 45 \times 7 =$	263



1) $(8 \times 6) + 12 = 60$

$81 \div (6 - 3) = 27$

$(19 + 14) \times 6 = 198$

$36 - (14 + 9) = 13$

2) $13 \times (5 - 2) = (3 \times 15) - 6$

$181 - (27 \div 3) = 17 \times (29 - 19) + 2$

1) Adam has moved from left to right in this calculation, ignoring the order of operations. The correct answer is 28.

Adam has taken 4 away from 6 then added the answer to $24 \div 3$. The correct answer is 44.

2) a) $30 \div (6 + 4)$ is the correct answer.

b) Each group will consist of 10 children (6 boys + 4 girls). We need to divide the total number of children in the class by the number of children in a whole group. This means there will be 3 groups of 10.



1) a)

Number from Set 1	× (	Number from Set 2	+	Number from Set 3	)	=	30

Accept: $2 \times (5 + 10) = 30$, $2 \times (6 + 9) = 30$ and $2 \times (7 + 8) = 30$

b)

Number from Set 1	× (	Number from Set 2	+	Number from Set 3	)	=	42

Accept: $3 \times (5 + 9) = 42$ and $3 \times (6 + 8) = 42$

c)

Number from Set 1	× (	Number from Set 2	+	Number from Set 3	)	=	56

Accept: $4 \times (6 + 8) = 56$ and $4 \times (5 + 9) = 56$

2)

Number from Set 1	× (	Number from Set 2	+	Number from Set 3	)	=	Number between 40 and 60

Multiple answers possible, for example:

$3 \times (6 + 9) = 45$

$4 \times (5 + 8) = 52$

$4 \times (6 + 9) = 60$





1) Add one pair of missing brackets to each of these calculations to make them correct:

$$8 \times 6 + 12 = 60$$

$$81 \div 6 - 3 = 27$$

$$19 + 14 \times 6 = 198$$

$$36 - 14 + 9 = 13$$

2) Add two pairs of missing brackets to each of these calculations to make them correct:

$$13 \times 5 - 2 = 3 \times 15 - 6$$

$$181 - 27 \div 3 = 17 \times 29 - 19 + 2$$

Brackets	B	B	Brackets
Orders	O	I	Indices
Division	D	D	Division
Multiplication	M	M	Multiplication
Addition	A	A	Addition
Subtraction	S	S	Subtraction



1) Adam has carried out the following calculations.

Look carefully at his calculations and describe the errors he has made with the order of operations.

$$20 - 4 \times 2 + 16 = 48$$

$$6 \times (24 \div 3) - 4 = 10$$

2) a) Yan is solving this word problem. Which of these calculations correctly shows the problem? Explain your reasoning.

A class of 30 children are going on a school trip. The teacher is organising the children into small groups. She decides that each group will be made up of 6 boys and 4 girls.

$$30 \div 6 + 4$$

$$30 \div (6 + 4)$$

b) How many groups of children will there be?



Set 1	Set 2	Set 3
2, 3, 4	5, 6, 7	8, 9, 10



1) Use a number from each of the sets above to complete the number calculations below:

a) $\begin{array}{c} \text{Number} \\ \text{from Set 1} \end{array} \times \left(\begin{array}{c} \text{Number} \\ \text{from Set 2} \end{array} + \begin{array}{c} \text{Number} \\ \text{from Set 3} \end{array} \right) = 30$

b) $\begin{array}{c} \text{Number} \\ \text{from Set 1} \end{array} \times \left(\begin{array}{c} \text{Number} \\ \text{from Set 2} \end{array} + \begin{array}{c} \text{Number} \\ \text{from Set 3} \end{array} \right) = 42$

c) $\begin{array}{c} \text{Number} \\ \text{from Set 1} \end{array} \times \left(\begin{array}{c} \text{Number} \\ \text{from Set 2} \end{array} + \begin{array}{c} \text{Number} \\ \text{from Set 3} \end{array} \right) = 56$

2) Use a number from each set to find out possible calculations that have an answer between 40 and 60.

$\begin{array}{c} \text{Number} \\ \text{from Set 1} \end{array} \times \left(\begin{array}{c} \text{Number} \\ \text{from Set 2} \end{array} + \begin{array}{c} \text{Number} \\ \text{from Set 3} \end{array} \right) = \begin{array}{c} \text{Number between} \\ 40 \text{ and } 60 \end{array}$

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$$8 \times 6 + 12 = 60$$

$$81 \div 6 - 3 = 27$$

$$19 + 14 \times 6 = 198$$

$$36 - 14 + 9 = 13$$

- 2) Add two pairs of missing brackets to each of these calculations to make them correct:

$$13 \times 5 - 2 = 3 \times 15 - 6$$

$$181 - 27 \div 3 = 17 \times 29 - 19 + 2$$



Brackets	B	B	Brackets
Orders	O	I	Indices
Division	D	D	Division
Multiplication	M	M	Multiplication
Addition	A	A	Addition
Subtraction	S	S	Subtraction

- 1) Add one pair of missing brackets to each of these calculations to make them correct:

$$8 \times 6 + 12 = 60$$

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$$181 - 27 \div 3 = 17 \times 29 - 19 + 2$$



Brackets	B	B	Brackets
Orders	O	I	Indices
Division	D	D	Division
Multiplication	M	M	Multiplication
Addition	A	A	Addition
Subtraction	S	S	Subtraction

- 1) Adam has carried out the following calculations.

Look carefully at his calculations and describe the errors he has made with the order of operations.

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$$6 \times (24 \div 3) - 4 = 10$$

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$$30 \div 6 + 4$$

$$30 \div (6 + 4)$$

- b) How many groups of children will there be?



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Look carefully at his calculations and describe the errors he has made with the order of operations.

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$$30 \div 6 + 4$$

$$30 \div (6 + 4)$$

- b) How many groups of children will there be?



1) Use a number from each of the sets to complete the number calculations:



Set 1	Set 2	Set 3
2, 3, 4	5, 6, 7	8, 9, 10

a) $\begin{matrix} \text{Number} \\ \text{from Set 1} \end{matrix} \times \left(\begin{matrix} \text{Number} \\ \text{from Set 2} \end{matrix} + \begin{matrix} \text{Number} \\ \text{from Set 3} \end{matrix} \right) = 30$

b) $\begin{matrix} \text{Number} \\ \text{from Set 1} \end{matrix} \times \left(\begin{matrix} \text{Number} \\ \text{from Set 2} \end{matrix} + \begin{matrix} \text{Number} \\ \text{from Set 3} \end{matrix} \right) = 42$

c) $\begin{matrix} \text{Number} \\ \text{from Set 1} \end{matrix} \times \left(\begin{matrix} \text{Number} \\ \text{from Set 2} \end{matrix} + \begin{matrix} \text{Number} \\ \text{from Set 3} \end{matrix} \right) = 56$

2) Use a number from each set to find out possible calculations that have an answer between 40 and 60.

$\begin{matrix} \text{Number} \\ \text{from Set 1} \end{matrix} \times \left(\begin{matrix} \text{Number} \\ \text{from Set 2} \end{matrix} + \begin{matrix} \text{Number} \\ \text{from Set 3} \end{matrix} \right) = \begin{matrix} \text{Number between} \\ 40 \text{ and } 60 \end{matrix}$

1) Use a number from each of the sets to complete the number calculations:



Set 1	Set 2	Set 3
2, 3, 4	5, 6, 7	8, 9, 10

a) $\begin{matrix} \text{Number} \\ \text{from Set 1} \end{matrix} \times \left(\begin{matrix} \text{Number} \\ \text{from Set 2} \end{matrix} + \begin{matrix} \text{Number} \\ \text{from Set 3} \end{matrix} \right) = 30$

b) $\begin{matrix} \text{Number} \\ \text{from Set 1} \end{matrix} \times \left(\begin{matrix} \text{Number} \\ \text{from Set 2} \end{matrix} + \begin{matrix} \text{Number} \\ \text{from Set 3} \end{matrix} \right) = 42$

c) $\begin{matrix} \text{Number} \\ \text{from Set 1} \end{matrix} \times \left(\begin{matrix} \text{Number} \\ \text{from Set 2} \end{matrix} + \begin{matrix} \text{Number} \\ \text{from Set 3} \end{matrix} \right) = 56$

2) Use a number from each set to find out possible calculations that have an answer between 40 and 60.

$\begin{matrix} \text{Number} \\ \text{from Set 1} \end{matrix} \times \left(\begin{matrix} \text{Number} \\ \text{from Set 2} \end{matrix} + \begin{matrix} \text{Number} \\ \text{from Set 3} \end{matrix} \right) = \begin{matrix} \text{Number between} \\ 40 \text{ and } 60 \end{matrix}$



Extra Challenge

I can correctly use the order of operations to carry out calculations.



Use the order of operations to match each calculation to the correct answer.

$$18^2 \times (48.45 + 48.4) =$$

1862

$$474 + 30\,736 \div 68 =$$

326

$$30\,970 \div (54 + 41) =$$

926

$$19 \times (7^2 + 49) =$$

31\,379.4

Think of two possible calculations using the order of operations that would give the answer shown.

1) 485

a) _____

b) _____

2) 297

a) _____

b) _____

3) 1038

a) _____

b) _____

4) 25.5

a) _____

b) _____

Don't forget
your BODMAS order:
Brackets
Orders (exponents)
Division and Multiplication
Addition and Subtraction





Extra Challenge Answers

Question	Answer												
Use the order of operations to match each calculation to the correct answer.													
<table border="0"><tr><td data-bbox="304 454 687 533">$18^2 \times (48.45 + 48.4) =$</td><td data-bbox="687 454 1062 533"></td><td data-bbox="1062 454 1445 533">1862</td></tr><tr><td data-bbox="304 551 687 629">$474 + 30\,736 \div 68 =$</td><td data-bbox="687 551 1062 629"></td><td data-bbox="1062 551 1445 629">326</td></tr><tr><td data-bbox="304 647 687 725">$30\,970 \div (54 + 41) =$</td><td data-bbox="687 647 1062 725"></td><td data-bbox="1062 647 1445 725">926</td></tr><tr><td data-bbox="304 743 687 822">$19 \times (7^2 + 49) =$</td><td data-bbox="687 743 1062 822"></td><td data-bbox="1062 743 1445 822">31\,379.4</td></tr></table>	$18^2 \times (48.45 + 48.4) =$		1862	$474 + 30\,736 \div 68 =$		326	$30\,970 \div (54 + 41) =$		926	$19 \times (7^2 + 49) =$		31\,379.4	Think of two possible calculations using the order of operations that would give the answer shown.
$18^2 \times (48.45 + 48.4) =$		1862											
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$30\,970 \div (54 + 41) =$		926											
$19 \times (7^2 + 49) =$		31\,379.4											
<i>Multiple answers possible.</i>													

Multiplication Mayhem

Fill in the missing multiples. Included in the multiplication square are some incorrect numbers; colour these in to show the errors.

×	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5		7	8	9	10	11	13
2	2	4	6	8	10	13	14	16	18		21	24
3	3	6	10	12	15	18	20			30	34	36
4	4	8	12		20	23	28	32		40	44	48
5	5	10	15	20	25	30	35	40	46	50		60
6	6	12		23			42	47	54	60	67	72
7	7	14	20	28	35		49	56		70	77	
8	9	16	24				56	65		81	88	96
9	9	18	27	35	45	54		72	82	90	99	108
10	10	20	30		50	60	70	80	90	101	110	120
11	11	21	33	44	55	66	76	88	99		122	
12	12	24		49		74		96		120	132	144

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Fill in the missing multiples. Included in the multiplication square are some incorrect numbers; colour these in to show the errors.

×	1	2	3	4	5	6	7	8	9	10	11	12
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3	3	6	10	12	15	18	20			30	34	36
4	4	8	12		20	23	28	32		40	44	48
5	5	10	15	20	25	30	35	40	46	50		60
6	6	12		23			42	47	54	60	67	72
7	7	14	20	28	35		49	56		70	77	
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Multiplication Mayhem **Answers**

×	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	13
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4	4	8	12	16	20	23	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	46	50	55	60
6	6	12	18	23	30	36	42	47	54	60	67	72
7	7	14	20	28	35	42	49	56	63	70	77	84
8	9	16	24	32	40	48	56	65	72	81	88	96
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Addition, Subtraction, Multiplication and Division |
Bonkers BODMAS

I can correctly use the order of operations to carry out calculations.		
I know the order of operations.		
I can use the order of operations to work out and check calculations.		

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