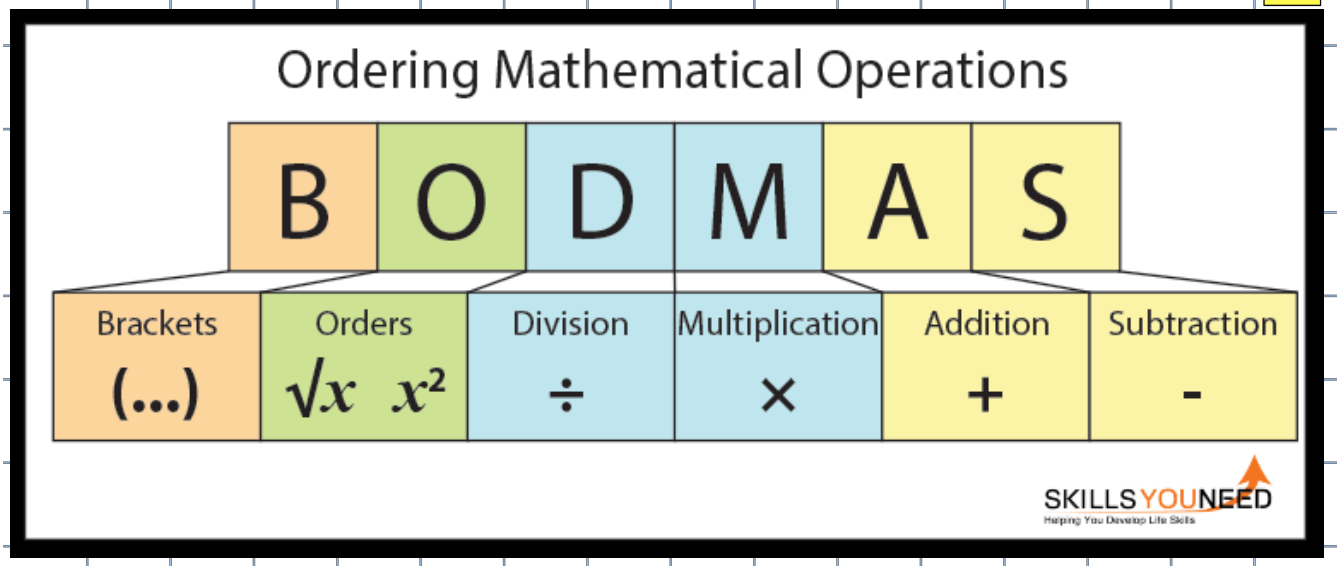
LO: to calculate mentally (BODMAS)

I do



LO: to calculate mentally (BODMAS)

Brackets

Calculate anything in brackets first.

10 x (4+2) = 10 x 6 = 60 not 10 x (4 + 2) = 40 + 2 = 42

Compare these calculations:

I do

10 ÷ (2 + 3) =		10 ÷ 2 + 3 =	

we do

(6 + 2) x 8 =		6 + 2 x 8 =	

LO: to calculate mentally (BODMAS)

Order/Indices

This relates to powers or roots of numbers (squared, cubed etc.). Calculate powers or roots before multiplication/division/addition/subtraction.

$5 + 2^2 = 5 + 4 = 9$ not $5 + 2^2 = 7^2 = 49$

Compare these calculations:

I do	$10 - 2^3 =$		$(10 - 2)^3 =$	
we do	$12 + \sqrt{4} =$		$\sqrt{(12 + 4)} =$	

LO: to calculate mentally (BODMAS)

Division and Multiplication

Division and multiplication come before addition and subtraction.

$10 + 6 \div 2 = 10 + 3 = 13$ not $10 + 6 \div 2 = 16 \div 2 = 8$

$10 - 4 \times 2 = 10 - 8 = 2$ not $10 - 4 \times 2 = 6 \times 2 = 12$

Compare these calculations:

I do	$12 - 2 \times 5 =$	$12 - 2 \times 5 =$
we do	$8 + 10 \div 2$	$8 + 10 \div 2 =$

LO: to calculate mentally (BODMAS)

you do

1. 100 – (20 x 3) =
2. (35 – 15) + (27 – 7) =
3. 15 + (6 x 6) =
4. (4 + 5) x (3 + 6) =
5. (5 + 5) x (5 – 2) =
6. 50 – (6 x 6) =
7. (4 + 8) x (3 – 2) =
8. (9 – 3) + (6 x 6) =

Complete in books.

LO: to calculate mentally (BODMAS)

we do

Q3. Write what the **two missing** numbers could be.

$$\square \div \square = 8$$

Write what the **two missing** numbers could be.

$$(4 + \square) \times \square = 100$$

Write the missing number.

$$30 - 16 = 9 + \square$$

LO: to calculate mentally (BODMAS)

we do

B O D M A S

7a. Use the following numbers to create a calculation with the answers below.

3	10	2	12

Answer	Calculations
125	
63	

8a. Josh is completing this calculation:

$3^2 + 12 \times 10$

The answer is 210.
I did $3^2 = 9$,
then $9 + 12 = 21$,
then $21 \times 10 = 210$.



Josh

Is he correct? Explain how you know.

we do

LO: to calculate mentally (BODMAS)

B O D M A S

Use the number 4, four times, with any operations to make every number from 1 to 20.

7a. Use the following numbers to create a calculation with the answers below.

3 10 2 12

Answer	Calculations
125	
63	

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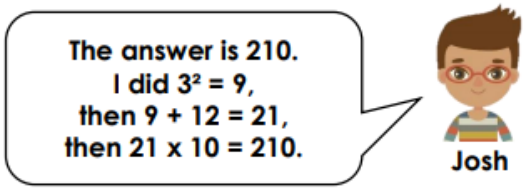
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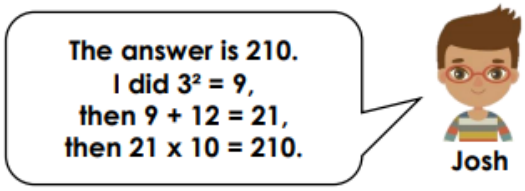
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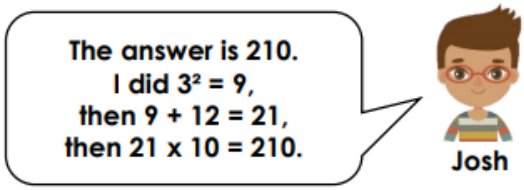
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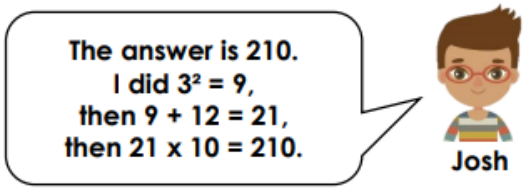
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