

Key Stage 2

Order of Operations (BODMAS)

First name						
Middle name						
Last name						
Date of birth	Day		Month		Year	
School name						
DFE number						

1Calculate $2 + 4 \times 5$
 $2 + \underline{20}$

B - brackets

O - orders $- 2^2$

D - division

M - multiplication

A - addition

S - subtraction

$4 \times 5 = 20$

$2 + 20 = 22$

Answer:

22

1 mark

2Calculate $13 \times 2 + 7^2$

Answer:

1 mark

3Calculate $20.3 - 17.2 \div 4$

Answer:

2 marks

4

Calculate $12 + 4 \div 4$

Answer:

1 mark

5

Calculate $123 + 456 \times 7$

Answer:

2 marks

6

Calculate $2023 - 172 \div 4$

Answer:

2 marks

7

Calculate $16 - 3.4 \times 2^2$

Answer:

2 marks

8

Calculate $4.2 \text{ kg} \times 3 - 1.5 \text{ kg}$

Answer:

2 marks

9

Calculate $3.6 \times 6 \text{ cm} \div 4$

Answer:

2 marks

10What number should replace the letter **D** ?

$$12 \times 5 + \mathbf{D} = 65$$

D =

1 mark**11**What number should replace the letter **E** ?

$$12 \times \mathbf{E} - 5 = 7$$

E =

1 mark**12**What number should replace the letter **N** ?

$$\mathbf{N} \times 5 + 15 = 30$$

N =

1 mark**13**What number should replace the letter **T** ?

$$\mathbf{T} + 2 \times 4 = 11$$

T =

1 mark**14**What number should replace the letter **O** ?

$$(\mathbf{O} + 2) \times 4 = 36$$

O =

1 mark**15**What number should replace the letter **N** ?

$$40 - 11 \times 3 = \mathbf{N}$$

N =

1 mark

16Calculate $2 + 3 \times 5 - 4$

Answer:

1 mark

17Calculate $(2 + 3) \times 5 - 4$

Answer:

1 mark

18Calculate $2 + 3 \times (5 - 4)$

Answer:

1 mark

19

Stanley, Lacie-May, Isla and Teddy all claim that their card gives the answer 20.

STANLEY:
 $2 + 3 \times 4$

LACIE-MAY:
 $40 \div \frac{1}{2}$

ISLA:
 $100 - 60 \div 2$

TEDDY:
 $4 \times 100 \div 20$

Who is correct?

Answer:

Is correct

1 mark

20

Kyana has 100 marbles. She gives four of her friends 5 marbles each.

She wants to work out how many marbles she has left.

Put a circle round the calculation Kyana should use.

$100 - 5 + 4$

$4 \times 5 - 100$

$100 - 5 \times 4$

$(100 - 4) \times 5$

1 mark

21

Zac is buying tickets for a concert. The tickets cost £12.50 each, and there is also a £2 booking fee.

Which of these calculations shows how to calculate the total cost? (Put a ring around it).

Number of tickets x 2 + 12.5

Number of tickets x 12.5 + 2

Number of tickets + 2 x 12.5

Number of tickets x (12.5 + 2)

1 mark

22

Add brackets to the following calculations to make them correct.

$$3 \times 4 + 6 \div 2 + 4 = 18$$

$$3 \times 4 + 6 \div 2 + 4 = 13$$

$$3 \times 4 + 6 \div 2 + 4 = 25$$

3 marks