BIDMAS

ANSWERS

1

Work out $30 - (4 + 5) \times 2$

$30 - (4 + 5) \times 2$ — Brackets

$= 30 - 9 \times 2$ — Multiply

$= 30 - 18$ — Subtract

Answer: 12

2

Work out $7 + 2 \times 6$

$7 + 2 \times 6$ — Multiply

$= 7 + 12$ — Add

Answer: 19

3

Work out $50 - 4^2 \times 3$

$50 - 4^2 \times 3$ — Indices

$= 50 - 16 \times 3$ — Multiply

$= 50 - 48$ — Subtract

Answer: 2

4

Work out $24 \div 4 \times 3$

$24 \div 4 \times 3$ — Divide

$= 6 \times 3$ — Multiply

Answer: 18

5

Work out $15 - 7 + 4$

$= 8 + 4$

Answer: 12

6

Work out $\frac{9 + 11}{7 - 2}$

$= (9 + 11) \div (7 - 2)$

$= 20 \div 5$

Answer: 4

7

Put one pair of brackets into $12 - 4 \div 2 + 2$ to make the answer 6.

Without brackets: $12 - 2 + 2 = 12$

$8 \div 2 + 2 = 6$

Answer: $(12 - 4) \div 2 + 2$

8

Nadia says $18 - 6 + 4 = 8$ because addition comes before subtraction.
What has she done wrong?
Find the right answer.

She added first. Add and subtract go left to right: $12 + 4$

Answer: 16

9

Work out $40 - 8 \times 3 + 5$

$= 40 - 24 + 5$

$= 16 + 5$

Answer 21

10

Which is bigger, $6 + 4 \times 3$ or $(6 + 4) \times 3$? By how much?

$6 + 12 = 18$

$10 \times 3 = 30$

Answer $(6 + 4) \times 3$, by 12

11

Zara buys 3 cinema tickets at £8 each and a drink at £4. Write one calculation for the total cost, then work it out.

$3 \times 8 + 4$

$= 24 + 4$

Answer £28

12

Find the missing number.

20 $\div 4 + 7 = 12$

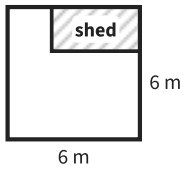
$12 - 7 = 5$

$5 \times 4 = 20$

Answer 20

13

A square garden has sides of 6 m.
A shed covers 8 m^2 of it.
Write one calculation for the area not covered by the shed, then work it out.



$6^2 - 8$

$= 36 - 8$

Answer 28 m^2

14

Work out $\frac{4^2 - 1}{2 + 3}$

$= (16 - 1) \div (2 + 3)$

$= 15 \div 5$

Answer 3

15

Four friends share the cost of a £30 pizza and a £6 dessert equally.
Write one calculation, with brackets, for what each friend pays, then work it out.

$(30 + 6) \div 4$

$= 36 \div 4$

Answer £9

16

Mo says that wherever you put one pair of brackets in $5 \times 4 \times 2$, the answer stays the same. Is he right?
Explain your answer.

$(5 \times 4) \times 2 = 40$

$5 \times (4 \times 2) = 40$

Answer Yes, it is all multiplying