

Numbers

With Classified answer book



12 - BIDMAS

1. (a) Work out
$$4 \times 3 + 2$$

(b) Work out
$$20 - 12 \div 4$$

(c) Work out
$$(18 \div 3) + (20 \div 5)$$

(d) Work out
$$(3 + 5)^2$$

2. Work out

(i)
$$3 \times 3 - 5$$

(ii)
$$20 \div (12-2)$$

(iii)
$$7 + 8 \div 4$$

3. Beth says 20 - 5 × 3 is 45
Pat says 20 - 5 × 3 is 5

0

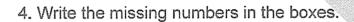
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(a) Who is right?

Give a reason for your answer.

(b) Work out $(12 + 9) \div 3$



5. Put brackets in these calculations to make them correct.

(i)
$$5 - 3 \times 12 \div 4 = 6$$

(ii)
$$6 \times 4 + 3^2 - 5 = 289$$

6. (a) Work out
$$2 \times (11 + 9)$$

(b) Work out
$$3 \times 5 + 4$$

(c) Work out
$$20-5 \times 3$$

7. (a) Work out the value of
$$(4+5) \times 2 + 3$$

(b) Add brackets () to make each statement correct.You may use more than one pair of brackets in each statement.

(i)
$$4+5\times2+3=29$$

(ii)
$$4 + 5 \times 2 + 3 = 45$$

- 8. (a) Work out the value of $(2+3) \times 4+5$
 - (b) Add brackets () to make each statement correct.

You may use more than one pair of brackets in each statement.

(i)
$$2+3\times4+5=25$$

(ii)
$$2 + 3 \times 6 + 5 = 35$$

9. This is Hassan's working for the calculation $12 + 4 \times 10$

Hassan is wrong.

Work out the correct answer for the calculation.

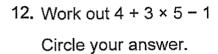
10. Add brackets () to make each statement correct.

You may use more than one pair of brackets in each statement.

(i)
$$9+2\times6-3=18$$

(ii)
$$9+2\times6-3=15$$

11. Frankie says that $15 - 3 \times 2 = 24$ Frankie is wrong. Explain why.



16

18

28

34

13. Here is Eva's calculation.

$$5 + 3 \times 2^2 = 32$$

Explain why Eva is not correct.

14. This is Hassan's working for the calculation 12 + 4 × 10

$$12 + 4 = 16$$

Answer = 160

Hassan is wrong.

Work out the correct answer for the calculation.