

SCORE  
A

# Numbers

With Classified  
answer book

8

Eng. Magda El-Labban

01007044107

## 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  $20 - 5 \times 3$  is 45

Pat says  $20 - 5 \times 3$  is 5

(a) Who is right?

Give a reason for your answer.

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

4. Write the missing numbers in the boxes.

$$4 \times \boxed{\phantom{00}} + 20 = 180$$

$$4 \times 20 + \boxed{\phantom{00}} = 180$$

$$4 \times \boxed{\phantom{00}} - 20 = 180$$

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)  $4 + 5 \times 2 + 3 = 29$

(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)  $2 + 3 \times 4 + 5 = 25$

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

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

$$12 + 4 = 16 \quad 16 \times 10 =$$

$$160 \quad \text{Answer} = 160$$

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)  $9 + 2 \times 6 - 3 = 18$

(ii)  $9 + 2 \times 6 - 3 = 15$

11. Frankie says that  $15 - 3 \times 2 = 24$

Frankie is wrong. Explain why.

12. Work out  $4 + 3 \times 5 - 1$

Circle your answer.

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  $12 + 4 \times 10$

$$12 + 4 = 16$$

$$16 \times 10 = 160$$

$$\text{Answer} = 160$$

Hassan is wrong.

Work out the correct answer for the calculation.