

Name: \_\_\_\_\_

Exam Style Questions



**Order of Operations**

**Corbettmαths**

Ensure you have: Pencil, pen, ruler, protractor, pair of compasses and eraser

You may use tracing paper if needed

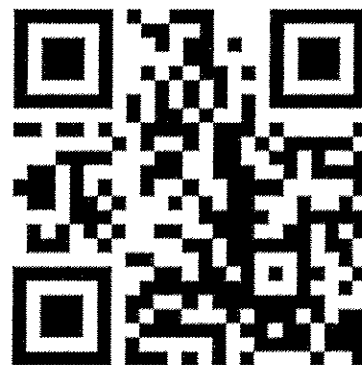
### Guidance

1. Read each question carefully before you begin answering it.
2. Don't spend too long on one question.
3. Attempt every question.
4. Check your answers seem right.
5. Always show your workings

Revision for this topic

**Secondary**

Video 211



1. Calculate

(a)  $16 - 5 \times 2$

$16 - 10$

$$\begin{array}{r} 6 \\ \hline \end{array} \quad (1)$$

(b)  $10 - 3^2$

$10 - 9$

$$\begin{array}{r} 1 \\ \hline \end{array} \quad (1)$$

(c)  $5 \times (2 + 3)$

$5 \times 5$

$$\begin{array}{r} 25 \\ \hline \end{array} \quad (1)$$

2. Calculate

(a)  $10 + 3 \times 2$

$10 + 6 = 16$

$$\begin{array}{r} 16 \\ \hline \end{array} \quad (1)$$

(b)  $8 \div 2 + 12 \div 4$

$4 + 3$

$$\begin{array}{r} 7 \\ \hline \end{array} \quad (1)$$

(c)  $3 \times 10 \div 5 - 1$

$30 \div 5 - 1$

$6 - 1$

$$\begin{array}{r} 5 \\ \hline \end{array} \quad (1)$$

3. Calculate

(a)  $6 + 6 \div 3$

$$6 + 2$$

$$\begin{array}{r} 8 \\ \hline \end{array} \quad (1)$$

(b)  $8 + 3(5 - 1)$

$$8 + 3(4)$$

$$8 + 12$$

$$\begin{array}{r} 20 \\ \hline \end{array} \quad (1)$$

(c)  $9 \times 2 + 20 \div 2$

$$18 + 10$$

$$\begin{array}{r} 28 \\ \hline \end{array} \quad (1)$$

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4. Put brackets in the following statements to make them true

(a)  $6 \times (7 + 3) - 8 = 52$

(1)

(b)  $(4 + 3) \times (7 - 1) = 42$

(1)

5. Work out

(a)  $14 + 12 \div 2$

$$14 + 6$$

$$\begin{array}{r} 20 \\ \hline \end{array} \quad (1)$$

(b)  $6 \times 4 - 7 \times 3$

$$24 - 21$$

$$\begin{array}{r} 3 \\ \hline \end{array} \quad (1)$$

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6. Work out

(a)  $2^3 + 3^2$

$$8 + 9$$

$$\begin{array}{r} 17 \\ \hline \end{array} \quad (1)$$

(b)  $2^2 \times 3^3$

$$4 \times 27$$

$$\begin{array}{r} 108 \\ \hline \end{array} \quad (2)$$

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7. Work out  $(2 + 5)^2$

$$7^2$$

$$\begin{array}{r} 49 \\ \hline \end{array} \quad (1)$$

8. Work out

(a)  $(2 + 5)^2$

$$7^2$$

$$\begin{array}{r} 49 \\ \hline \end{array} \quad (1)$$

(b)  $5 + 3 \times 6$

$$5 + 18$$

$$\begin{array}{r} 23 \\ \hline \end{array} \quad (1)$$

(c)  $22 - 14 \div 2$

$$22 - 7$$

$$\begin{array}{r} 15 \\ \hline \end{array} \quad (1)$$

(d)  $(9 + 4) \times (100 \div 25)$

$$13 \times 4$$

$$\begin{array}{r} 52 \\ \hline \end{array} \quad (1)$$

(e)  $7 \times 5 - 10$

$$35 - 10$$

$$\begin{array}{r} 25 \\ \hline \end{array} \quad (1)$$

9. Joey thinks the answer to  $16 + 4 \times 2$  is 40.  
Albert thinks the answer to  $16 + 4 \times 2$  is 24.

Who is correct?  
Explain your answer.

$$16 + 8 = 24$$

Albert is correct

(2)

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10. Work out

(a)  $4 \times (3 + 17)$

$$4 \times 20$$

$$\begin{array}{r} 80 \\ \hline \end{array} \quad (1)$$

(b)  $10 - 2 \times 5$

$$10 - 10$$

$$\begin{array}{r} 0 \\ \hline \end{array} \quad (1)$$

(c)  $30 - 5 \times 2$

$$30 - 10$$

$$\begin{array}{r} 20 \\ \hline \end{array} \quad (1)$$