

# Five Minute Tests

## Test 1

If  $x = 5$  and  $y = 3$ , find the value of:

- $x - y$
- $xy$
- $6 + x + y$
- $2y^2$
- $12 - (x + y)$
- $2x + 3y$
- $15 - y$
- $20 - xy$
- $5x - 7y$
- $\frac{x + y}{4}$
- $4(x + y)$
- $x^2 + y^2$
- $x(y + 4)$
- $x^2y$
- $\frac{2xy}{10}$

## Test 2

- Average of 8, 10 and 12?
- 3 for 10c, how much for 60?
- Square 40.
- $\sqrt{49} + \sqrt{16}$
- Simplify:  $8 + 12 \div 4$
- $3x + 2x + 4y - x + 5y$
- How many cents in  $\$x$ ?
- $24b \div 3b$
- $56.37 \times 1000$
- $\frac{7}{10}$  of 40 cents?

## Test 4

- Express  $\frac{3}{4}$  as a percentage.
- Calculate the perimeter of a rectangle of length 9 cm and breadth 7 cm.
- Find the average of 9 and 15?
- Write down an even factor of 58.
- Use a quick method to find  $199 \times 8$ .
- Write 8.20 p.m. in 24-hour notation.
- In triangle  $XYZ$ ,  $\angle X = 45^\circ$ ,  $\angle Y = 65^\circ$ . Find the size of  $\angle Z$ .
- Find the value of  $\frac{1}{4} - \frac{1}{3}$ .
- How many sides has an octagon?
- What solid shape has 3 rectangular faces and 2 triangular faces?



## Test 3

- $1.7 - 0.9$
- Find 20% of 30.
- Find  $\sqrt{64 + 36}$
- Write 15.30 hours, using a.m. or p.m.
- $7.65 \div 100$
- When  $t = 5$ ,  $8t = 13$ . True or false?
- $8a + 2a + 5 - 3a - 1$
- How many kilograms in  $p$  grams?
- How many 5c coins in  $\$2.95$ ?
- Find  $\frac{3}{5}$  of  $\$45$ .

## Test 5

- Find 25% of 36.
- Find the volume of a cube of edge 4 cm.
- Multiply 85 by 85.
- In triangle  $ABC$ ,  $\angle A = 63^\circ$ ,  $\angle B = 80^\circ$ . Find the size of  $\angle C$ .
- Write down the largest odd factor of 56.
- Find the average of 14 and 28.
- $3x^2 + 2x^2$
- What is the value of 7 in 23.479?
- A car travels at 110 km/h. How far does it travel in 30 minutes?
- What quadrilateral has just one axis of symmetry?

Discuss the meaning of these words and learn how to spell them.

algebra  
pronumeral  
pattern

symbol  
expression  
formula

translate  
substitution  
formulae