

# Multiplying and Dividing

PS Problem-solving questions

## Challenge 1

PS

1 Work out the answer.  $4 \times (3 + 5) =$  \_\_\_\_\_



2 Work out the answer to these calculations.

a)  $245 \div 10 =$  \_\_\_\_\_

b)  $51 \times 10 =$  \_\_\_\_\_

c)  $156 \div 100 =$  \_\_\_\_\_

d)  $16 \times 100 =$  \_\_\_\_\_



3 Fill in the missing numbers.

a) \_\_\_\_\_  $\times 100 = 560$

b)  $1356 \div 100 =$  \_\_\_\_\_

c) \_\_\_\_\_  $\div 10 = 34$

d)  $9.8 \times 10 =$  \_\_\_\_\_



4 Answer these calculations.

a)  $810 \div 9 =$  \_\_\_\_\_

b)  $50 \times 30 =$  \_\_\_\_\_

c)  $180 \div 3 =$  \_\_\_\_\_

d)  $30 \times 10 =$  \_\_\_\_\_



5 Olivia buys four chocolate bars that cost 15p each.  
How much does she pay altogether? \_\_\_\_\_ p



Marks..... /14

## Challenge 2

1 Work out the answer.  $6 \times (9 - 3) + 8 =$  \_\_\_\_\_



2 Work out the answer to these calculations.

a)  $5.43 \times 100 =$  \_\_\_\_\_

b)  $6.2 \times 10 =$  \_\_\_\_\_

c)  $941.8 \div 100 =$  \_\_\_\_\_

d)  $246 \div 10 =$  \_\_\_\_\_



3 Fill in the missing numbers.

a) \_\_\_\_\_  $\div 1000 = 7.291$

b)  $100 \times$  \_\_\_\_\_  $= 354$

c) \_\_\_\_\_  $\times 10 = 47.8$

d)  $569 \div 100 =$  \_\_\_\_\_



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**4** Answer these calculations.

a)  $32 \times 20 =$  \_\_\_\_\_

b)  $3600 \div 6 =$  \_\_\_\_\_

c)  $300 \div 5 =$  \_\_\_\_\_

d)  $60 \times 30 =$  \_\_\_\_\_



4 marks

**PS** **5** Mina is putting 14 paintbrushes on each table. If she has 168 paintbrushes, how many tables can she supply? \_\_\_\_\_ tables



1 mark

Marks..... /14

## Challenge 3

**1** Work out the answer to these calculations.

a)  $12 \times (6 - 4) + 2^3 =$  \_\_\_\_\_

b)  $3 + (7 - 4) \times 6 =$  \_\_\_\_\_

**2** Answer these calculations.

a)  $6.754 \times 100 =$  \_\_\_\_\_

b)  $345.9 \div 100 =$  \_\_\_\_\_

c)  $241.5 \div 1000 =$  \_\_\_\_\_

d)  $1.3 \times 1000 =$  \_\_\_\_\_



2 marks

**PS** **3** Esther has £45 to spend. If bracelets cost £4.15 each, how many can she buy? \_\_\_\_\_ bracelets



1 mark

**PS** **4** Luke gets paid £3.20 to wash a car. How much will he earn if he washes 12 cars? £ \_\_\_\_\_



1 mark

**5** Fill in the missing numbers.

\_\_\_\_\_  $\times$  340 = 10  $\times$  \_\_\_\_\_



2 marks

Marks..... /10

Total marks ..... /38

How am I doing?

