

# Multiply and divide decimals in context

- 1 A cake has a mass of 0.3 kg.  
What is the mass of six of these cakes?



kg

- 2 An apple has a mass of 0.12 kg.  
What is the mass of nine of these apples?



kg

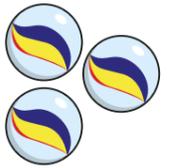
- 3 The length of a table is 0.7 m.  
What is the length of eight of these tables?

m

- 4 A bottle of milk costs £1.09  
How much do five of these bottles of milk cost?

£

- 5 3 identical marbles have a total mass of 12.6 g.  
What is the mass of one of these marbles?



g

- 6 The total length of 7 identical rods is 0.84 m.  
What is the length of one of these rods?

m

- 7 The perimeter of a square is 0.64 m.  
What is the length of each side?

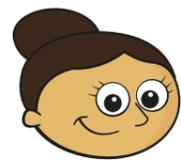
m

- 8 Huan has saved his pocket money for 5 weeks.  
He gets the same pocket money every week.  
He has saved £16.65  
How much pocket money does Huan get each week?



£

- 9 Dora, Ron and Teddy are making paper chains.



My paper chain is 1.1 m long.

Dora

Dora's paper chain is twice as long as mine.



Ron



My paper chain is three times longer than Ron's.

Teddy

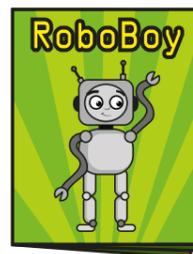
- a) How long is Ron's paper chain?

 m

- b) How long is Teddy's paper chain?

 m

- 10 Comics cost £3.29  
Sam buys 5 comics.  
She pays with a £20 note.  
How much change does she get?

 £

- 11 Shop A sells 5 tins of paint for £23.40  
Shop B sells 3 tins of the same paint for £14.01



Which shop should Ms Trent buy her paint from? \_\_\_\_\_

Explain your reasoning.

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- 12 It costs a factory £2.32 to produce 8 key rings.  
The factory sells the key rings in boxes of 5 for £3.20  
How much profit do they make on each key ring?

 £

- 13 The mass of a pear is 5 times the mass of a plum.  
The total mass of the pear and the plum is 0.12 kg.  
How much greater is the mass of the pear than the mass of the plum?

 kg