

Name:

Exam Style Questions

## Money: Proportion



Equipment needed: Pen and Calculator

### Guidance

1. Read each question carefully before you begin answering it.
2. Check your answers seem right.
3. Always show your workings

Video Tutorial

[www.corbettmaths.com/contents](http://www.corbettmaths.com/contents)

Video 400+



Answers and Video Solutions



1. 5 hats cost £45



Work out the cost of 8 hats.

$$45 \div 5 = 9$$
$$9 \times 8 = 72$$

£ 72  
(2)

2. A 20 minute telephone call costs 80p.



Work out the cost of a 45 minute telephone call.

$$80 \div 20 = 4 \text{ p per minute}$$

$$\begin{array}{r} 45 \\ \times 4 \\ \hline 180 \end{array}$$

£ 1.80  
(2)

3. Joey buys 3 new tyres for his car.  
The total cost for the 3 tyres is £651



Ella buys 4 of the same tyres for her car.

Work out ~~how much~~ the price of the 4 tyres.

$$3 \overline{) 651}$$

£217 per tyre

$$\begin{array}{r} 217 \\ \times 4 \\ \hline 868 \end{array}$$

£ 868  
(2)

4. 7 copies of a magazine cost £41.65



Work out the cost of 3 copies of the magazine.

$$7 \overline{) 41.65} \begin{array}{r} 05.95 \\ \underline{41.65} \\ 0 \end{array}$$

$$5.95 \times 3 = 17.85$$

£17.85

(2)

5. Henry buys 4 coffees for £19.56 and 9 teas for £18.72



Kyle wants to buy 11 coffees and 2 teas.

Work out how much Kyle should pay.

$$19.56 \div 4 = 4.89 \text{ per coffee}$$

$$18.72 \div 9 = 2.08 \text{ per tea}$$

$$(11 \times 4.89) + (2.08 \times 2) = £57.95$$

£ 57.95

(3)

6. 8 pens cost £2



Daisy buys 55 pens.

Work out how much change Daisy will receive from £20

$$200 \div 8 = 25p \text{ each}$$

$$55 \times 25 = £13.75$$

$$20 - 13.75 = 6.25$$

£ 6.25

(3)

7. Envelopes are sold in two different sized packets:



Standard Pack

40 envelopes  
£3.60

Large Pack

150 envelopes

Each envelope in the large pack costs 2p less than in the standard pack.

Work out the cost of the large pack of envelopes.

$$360 \div 40 = 9p \text{ each}$$

$$9 - 2 = 7p \text{ each}$$

$$7 \times 150$$

$$\begin{array}{r} 150 \\ \times \quad 7 \\ \hline 1050 \end{array}$$

$$\begin{array}{r} \text{£ } 10.50 \\ \hline \end{array} \quad (3)$$

8. Maya wants to buy a present that costs £200



She saves the same amount of pocket money each week for 40 weeks.  
After 13 weeks, Maya has saved a total of £49.40

At the end of 40 weeks, Maya's mother adds an additional 30% to her savings.

Does Maya have enough money to buy the present?  
Explain your answer.

$$49.40 \div 13 = \pounds 3.80 \text{ each week}$$

$$3.80 \times 40 = \pounds 152$$

$$10\% \text{ of } 152 = \pounds 15.20$$

$$30\% \text{ of } 152 = \pounds 45.60$$

$$152 + 45.60 = \pounds 197.60$$

No, Maya would have £197.60,  
so is £2.40 short.

(5)

9. Edward is booking a holiday to France.



The travel agent says that he can pay for the holiday in monthly instalments. He can either pay over 12 months or 25 months.

If Edward pays over 12 months, each monthly instalment is £280

Work out the cost of each monthly instalment if Edward pays over 25 months.

$$12 \times 280 = \pounds 3360$$

$$3360 \div 25 = \pounds 134.40$$

$$\begin{array}{r} \pounds 134.40 \\ \hline (2) \end{array}$$