Name: SOLUTIONS

GCSE (9 - 1)

Unitary Method

Information

The total marks for this paper is 40

The marks for each question are shown in brackets

– use this as a guide as to how much time to spend on each question.

Total Marks

Advice

Read each question carefully before you start to answer it.

Keep an eye on the time.

Try to answer every question.

Check your answers if you have time at the end.

Instructions

Answer all questions.

Answer the questions in the spaces provided

– there may be more space than you need.

You must show all your working.

Diagrams are NOT accurately drawn, unless otherwise indicated.



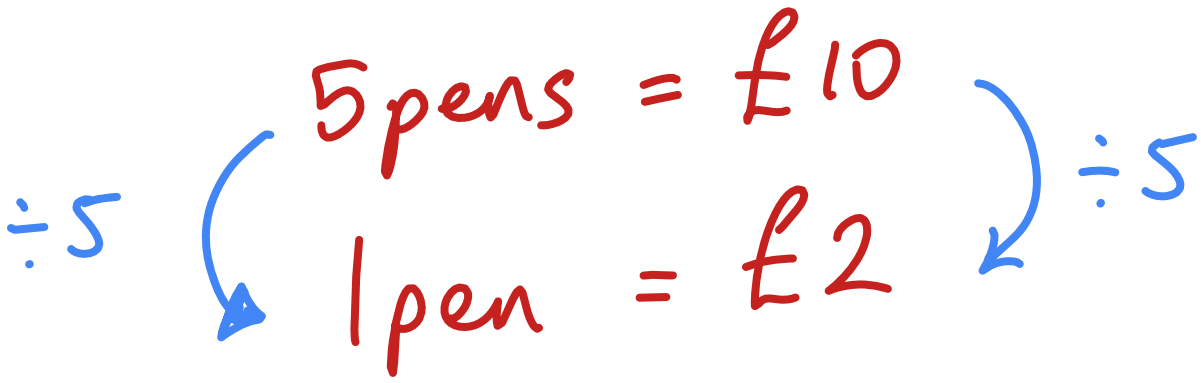
Answer ALL questions.

Write your answers in the spaces provided.

You must write down all the stages in your working.

1 Five pens cost £10.

How much does one pen cost?



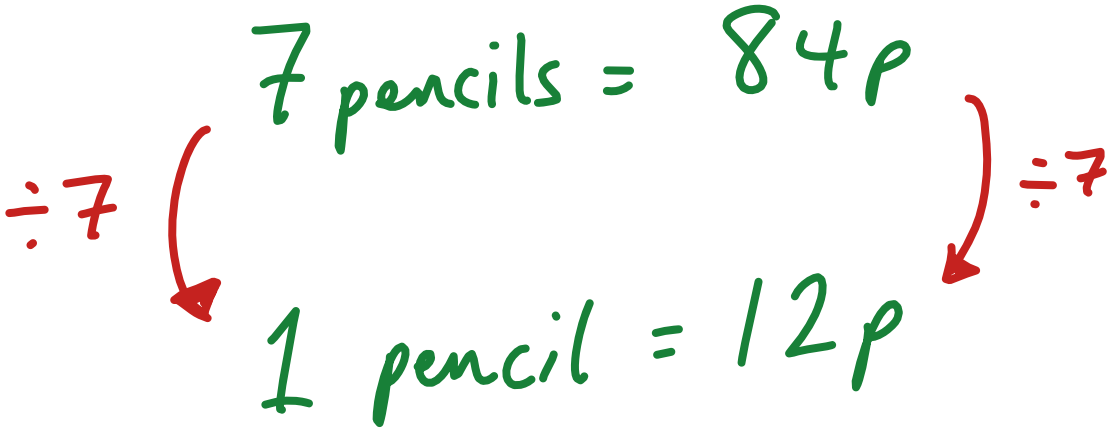
£ 2

(2 marks)

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2 Seven pencils cost 84p.

How much does one pencil cost?



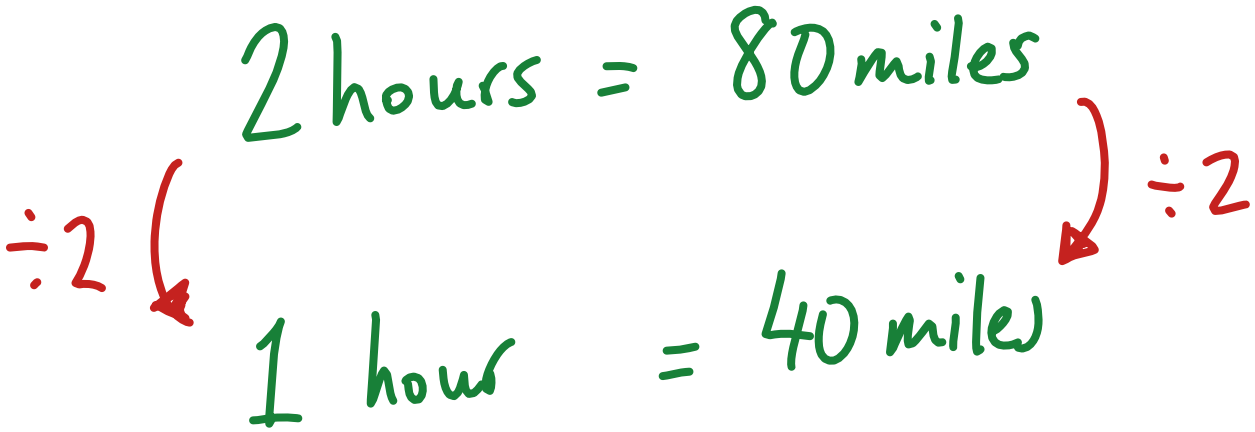
12 p

(2 marks)

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3 A car travels 80 miles in two hours at a steady speed.

How far would the car travel in one hour?



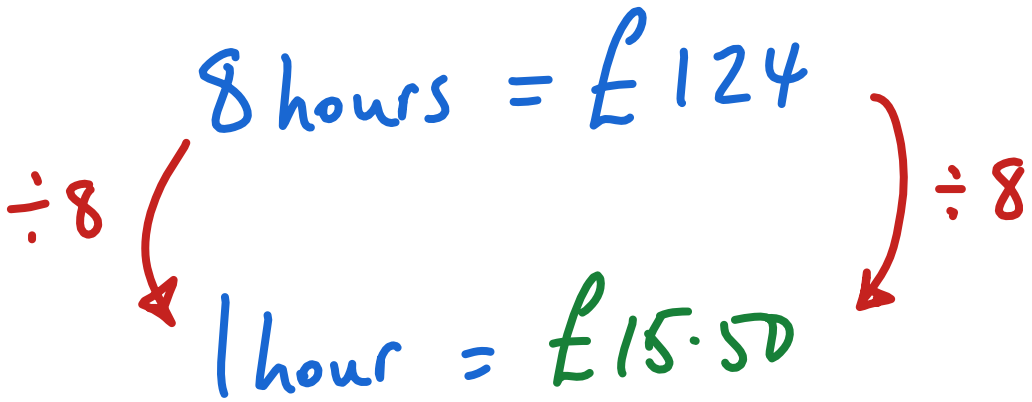
40 ..... miles

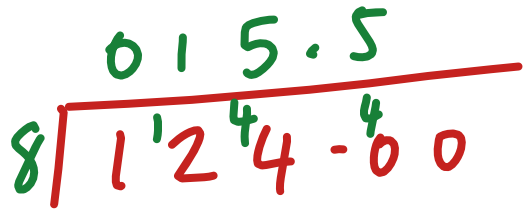
(2 marks)

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4 John earnt £124 for eight hours work.

How much did John earn per hour?





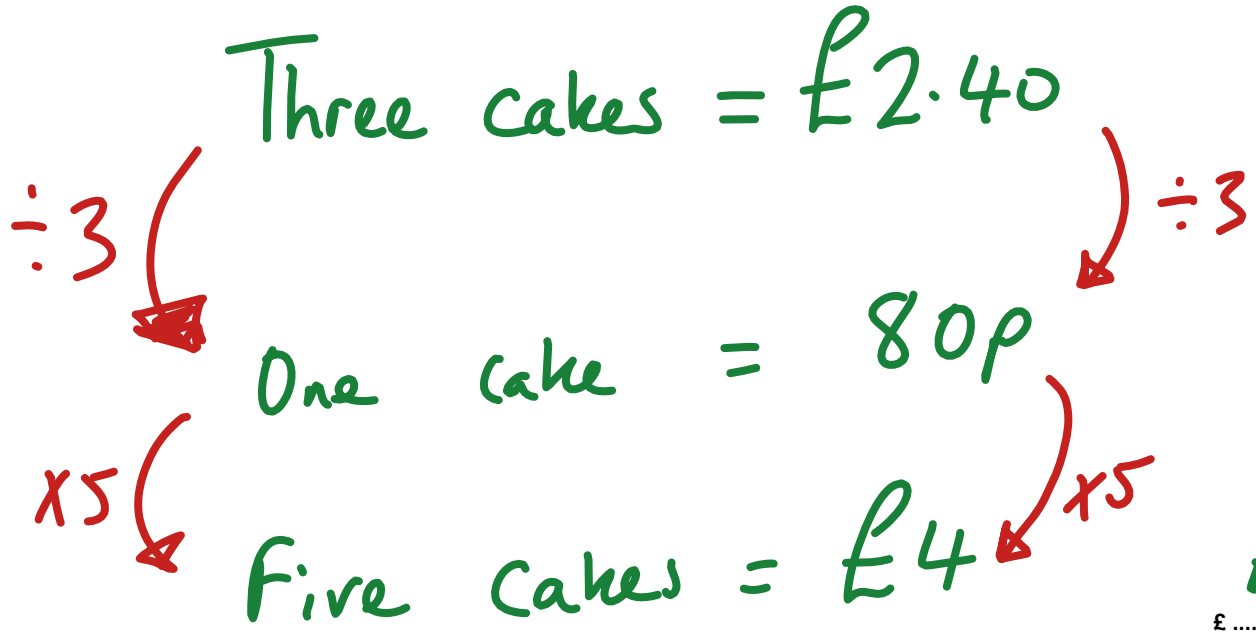
£ 15.50

(2 marks)

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5 Three cakes cost £2.40

How much would five cakes cost?



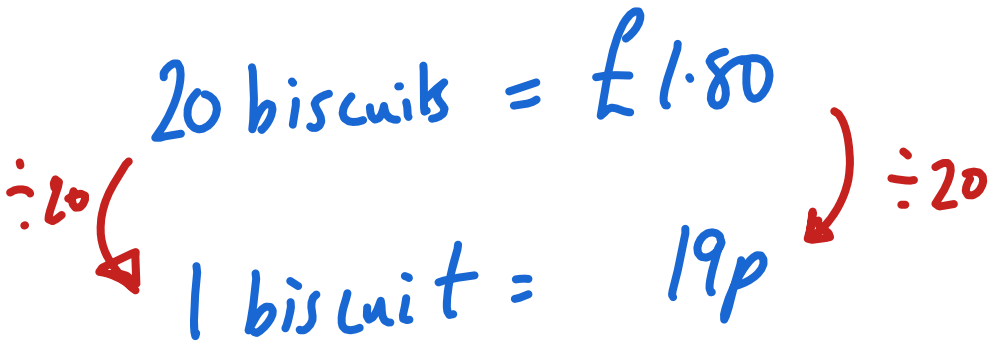
£ 4

(3 marks)

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6 A pack of biscuits contains 20 biscuits and costs £1.80

How much does each individual biscuit cost?



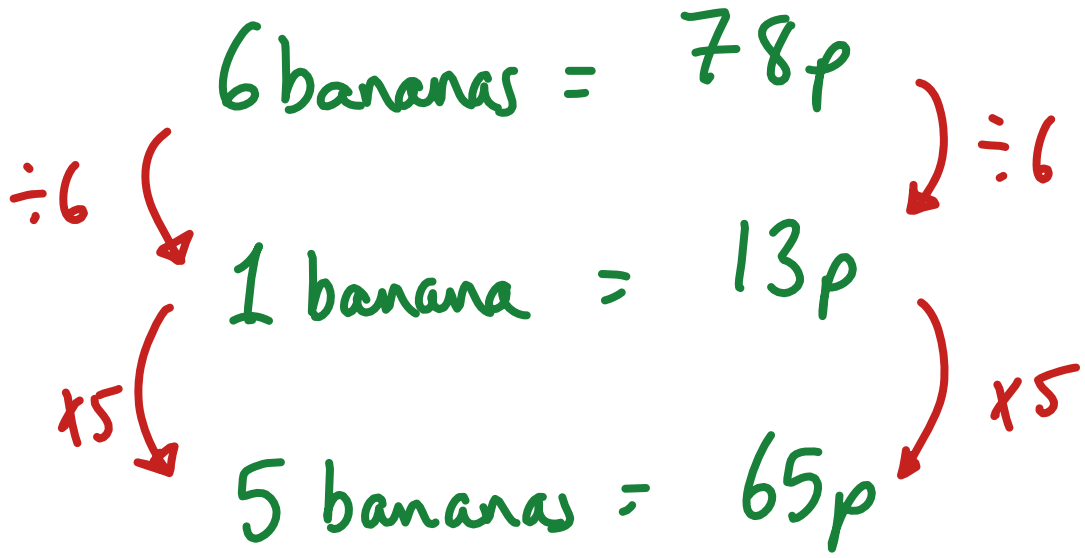
19 p

(2 marks)

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7 Six bananas cost 78p

How much would five bananas cost?



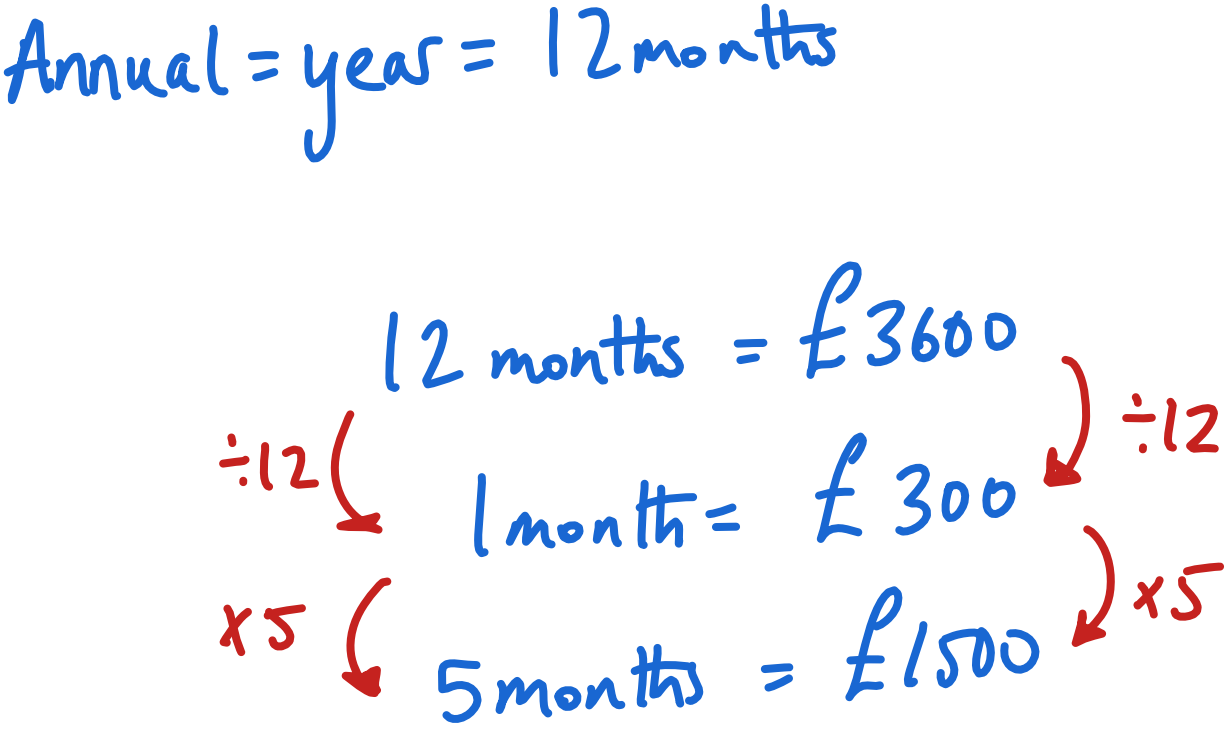
65 ..... p

(3 marks)

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8 The annual rent of a house is £3600.

Find the cost of renting the house for 5 months.



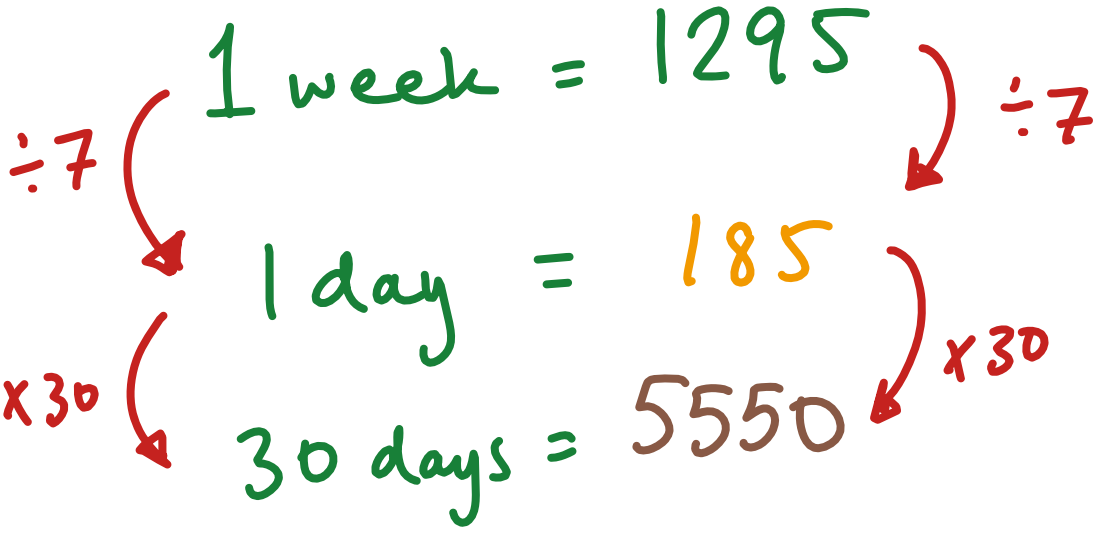
£ 1500 .....

(3 marks)

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9 A car factory produces 1295 cars in a week.

How many cars will it produce in 30 days?



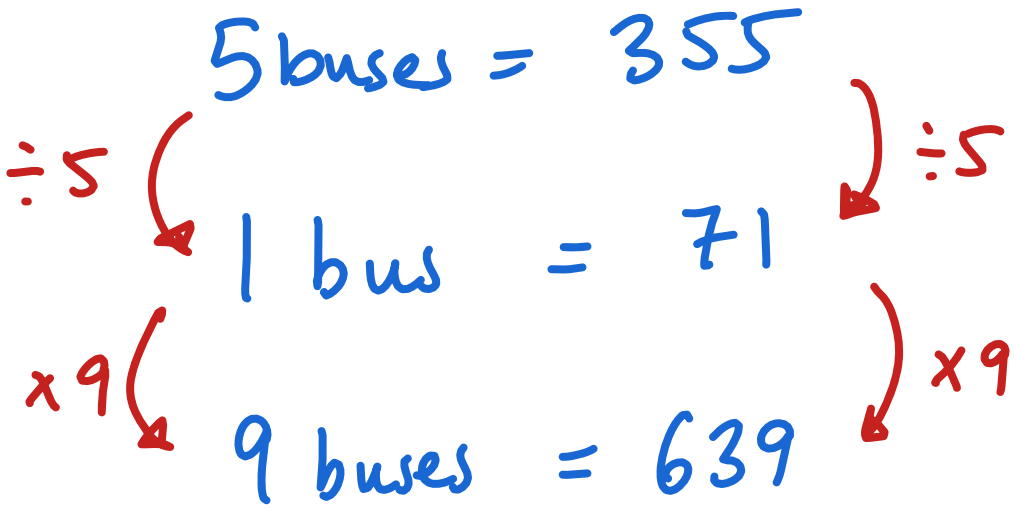
$$7\overline{)1295} = 185$$

5550 ..... cars

(4 marks)

10 Five buses carry 355 passengers.

How many passengers can be carried by nine of these buses?



639 ..... passengers

(3 marks)

11 £100 is worth $112.

How much is £120 worth in dollars?

£100 = $112

÷100 ↓ ↓ ÷100

£1 = $1.12

x120 ↓ ↓ x120

£120 = $134.40

$ 134.40

(3 marks)

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12 Jenny runs 37.5km in five hours at a constant speed.

a) How far can she run in two hours?

b) How long will it take her to run 100km?

5 hours = 37.5km ÷5 ↓ ↓ ÷5

1 hour = 7.5km

x2 ↓ ↓ x2

2hours = 15km

$13.\dot{3}$ hours = 13h 20min

x13.3 ↓ 1 hour = 7.5km ↓ x13.3

$13.\dot{3}$hours = 100km

a) 15km

b) 13h 20m

(4 marks)

13 A car uses 12 litres of petrol for every 180 miles it drives.

When the cars petrol tank is full it can hold 30 litres of petrol.

How far can the car travel with a full tank?

12 litres = 180 miles

÷12 ↓ ↓ ÷12

1 litre = 15 miles

x30 ↓ ↓ x30

30 litres = 450 miles

450 ..... miles

(3 marks)

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14 Shop A sells half a dozen eggs for £1.38.

Shop B sells ten eggs for £2.25.

Shop A

6 eggs = £1.38

÷6 ↓ ↓ ÷6

1 egg = 23p

Shop B

10 eggs = £2.25

÷10 ↓ ↓ ÷10

1 egg = 22.5p

.....

(4 marks)