

Q1.

The numbers in this sequence **increase** by 45 each time.

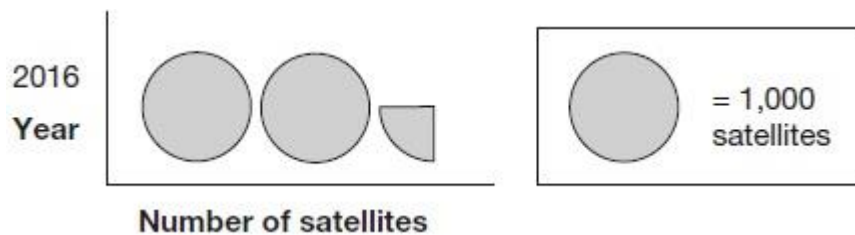
Write the missing numbers.

	155	200	245		
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2 marks

Q2.

This pictogram shows the number of satellites above the Earth in 2016.



How many satellites were above the Earth in 2016?

1 mark

Q3.

Here are four number cards.

2	3	4	7
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Layla uses each card once to make a four-digit number.

She places:

- 4 in the tens column
- 2 so that it has a higher value than any of the other digits
- the remaining two digits so that 7 has the higher value.

Write a digit in each box to show Layla's number.

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1 mark

Q4.

The numbers in this sequence increase by the same amount each time.

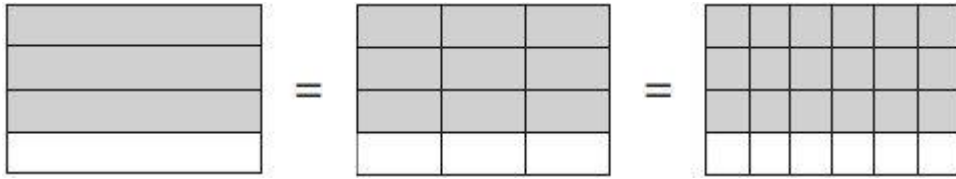
Write the missing numbers.



2 marks

Q5.

These diagrams show three equivalent fractions.



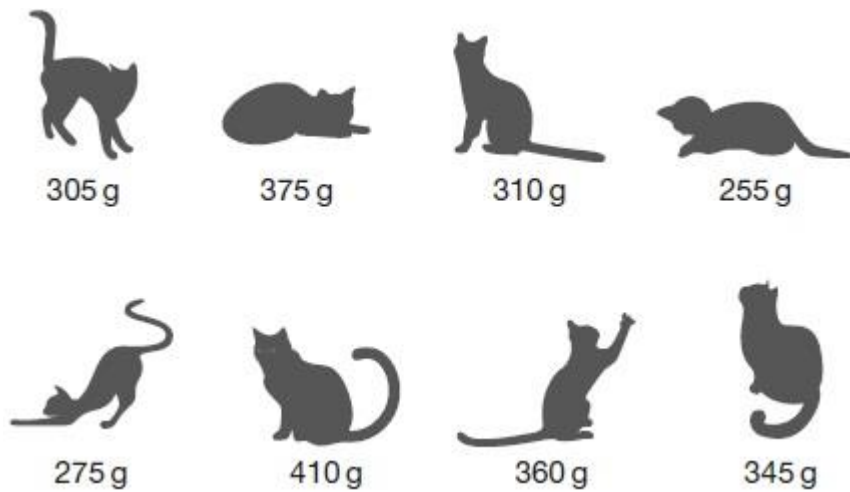
Write the missing values.

$$\frac{3}{4} = \frac{9}{\boxed{}} = \frac{\boxed{}}{24}$$

1 mark

Q6.

This picture shows the masses of eight kittens.



What is the **difference** in mass between the heaviest kitten and the lightest kitten?

g

1 mark

The masses of the kittens are to be put in four groups.

Write the missing numbers in the table.

One has been done for you.

Mass in g	Number of kittens
250-299	
300-349	
350-399	
400-449	1

1 mark

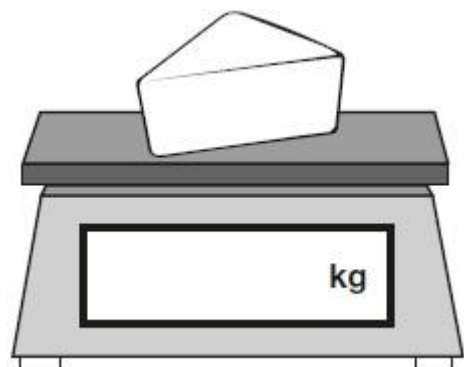
Q7.

Amina is shopping.

She says,



Write one-quarter on the scales as a decimal.



1 mark

The cheese costs £1.35

Amina pays with a £2 coin.

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Q8.

How much change does John get?

Show your method

£

Q9.

$$\boxed{} \begin{array}{|c|} \hline 2 \\ \hline \end{array} \boxed{} + \boxed{} \begin{array}{|c|} \hline 2 \\ \hline \end{array} = 200$$

Q10.

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Sale
£1,100 off



What is the **sale** price of the car?

£

1 mark

Mark schemes

Q1.

Award **TWO** marks for three correct numbers, as shown:

110 155 200 245 **290** **335**

Award **ONE** mark for:

- any **TWO** numbers correctly placed

OR

- if box 1 is correct, accept correct follow-through for box 3 from the incorrect value in box 2.

***Do not** accept misreads for this question.*

Up to 2m

[2]

Q2.

2,250

Do not** accept* $2000\frac{1}{4}$ ***OR $2\frac{1}{4}$ ***OR*** 2.25

[1]

Q3.

Digits in correct order, as shown:

2**7****4****3**

*All digits must be in the correct order for the award of **ONE** mark.*

[1]

Q4.

Award **TWO** marks for three correct numbers, as shown:

35 42 49 **56** 63 **70**

Award **ONE** mark for two numbers correctly placed.

Up to 2m

[2]

Q5.

Both values correct, as shown:

$$\frac{3}{4} = \frac{9}{\boxed{12}} = \frac{\boxed{18}}{24}$$

Both values must be correct for the award of **ONE** mark.

[1]

Q6.

- (a) 155

1

- (b) Table completed with three correct numbers, as shown:

Mass in g	Number of kittens
250-299	2
300-349	3
350-399	2
400-449	1

All three numbers must be correct for the award of the mark.

Do not accept tally marks on their own.

1

[2]

Q7.

- (a) 0.25

Do not accept $\frac{1}{4}$ or any other fraction

1

- (b) 65(p) **OR** (£)0.65

1

[2]

Q8.

Award **TWO** marks for the correct answer of £6.87

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g.

- £1.49 + £1.64 = £3.13
- £10 – £3.13 =

OR

- £10 – £1.49 = £8.51
- £8.51 – £1.64 =

OR

- $£10 - 164p - 149p =$

*Answer need not be obtained for the award of **ONE** mark.*

*Accept for **ONE** mark an answer of £687 **OR** £687p as evidence of an appropriate method.*

Up to 2 marks

[2]

Q9.

Addition completed, as shown

$$\begin{array}{|c|c|c|} \hline 1 & 2 & 8 \\ \hline \end{array} + \begin{array}{|c|c|} \hline 7 & 2 \\ \hline \end{array} = \begin{array}{|c|c|c|} \hline 2 & 0 & 0 \\ \hline \end{array}$$

All numbers must be correct for the award of the mark.

[1]

Q10.

£7,899

[1]