

Year 4

Fractions Reasoning

Q1.

Write in the missing numbers.

One has been done for you.

rounded to the nearest
whole number is



6.01



6

9.51



7.75



1 mark

Q2.

Write these prices in order, starting with the smallest.

72p

smallest

£2.70

£0.27

£7.20

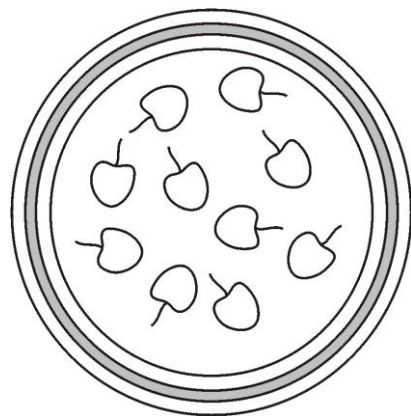
£2.07

1 mark

Q3.

Jack ate **half** the cherries on the plate.

These are the cherries that were **left**.



How many cherries were on Jack’s plate **before** he ate half of them?

1 mark

Q4.

Put a tick (✓) in **each row** to complete this table.

One has been done for you.

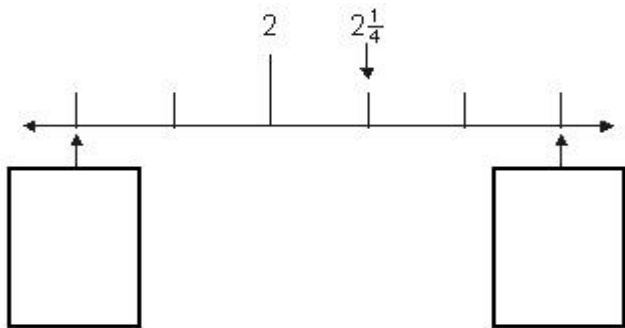
	greater than $\frac{1}{2}$	less than $\frac{1}{2}$
0.9	✓	
0.06		
$\frac{11}{20}$		
0.21		

2 marks

Q5.

Here is part of a number line.

Write in the two missing numbers.



2 marks

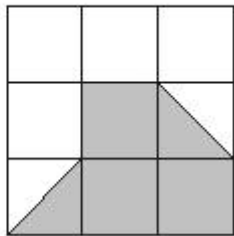
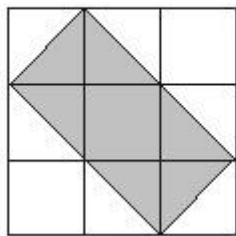
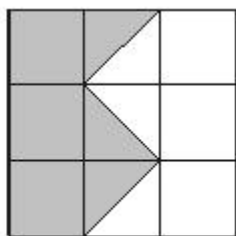
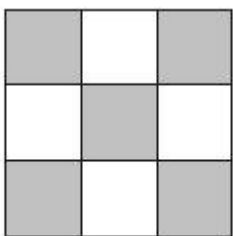
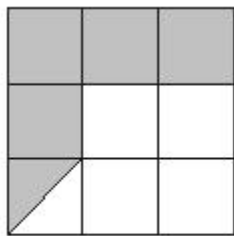
Q6.

Here are five diagrams.

Look at each one.

Put a tick (✓) on the diagram if exactly half of it is shaded.

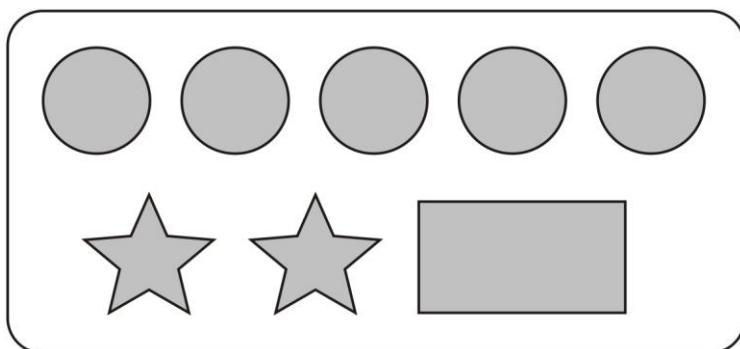
Put a cross (X) if it is not.



2 marks

Q7.

On a sheet of stickers there are 5 circles, 2 stars and one rectangle.



How many stickers are there altogether on **4** sheets?

1 mark

Nisha needs 55 circles.

How many sheets of stickers does she need?

1 mark

Ben has 10 sheets of stickers.

How many **more** circles than rectangles does he have?

1 mark

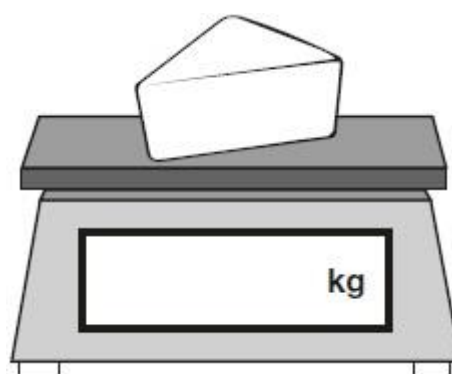
Q8.

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.

How much change should Amina get?

1 mark

Q9.



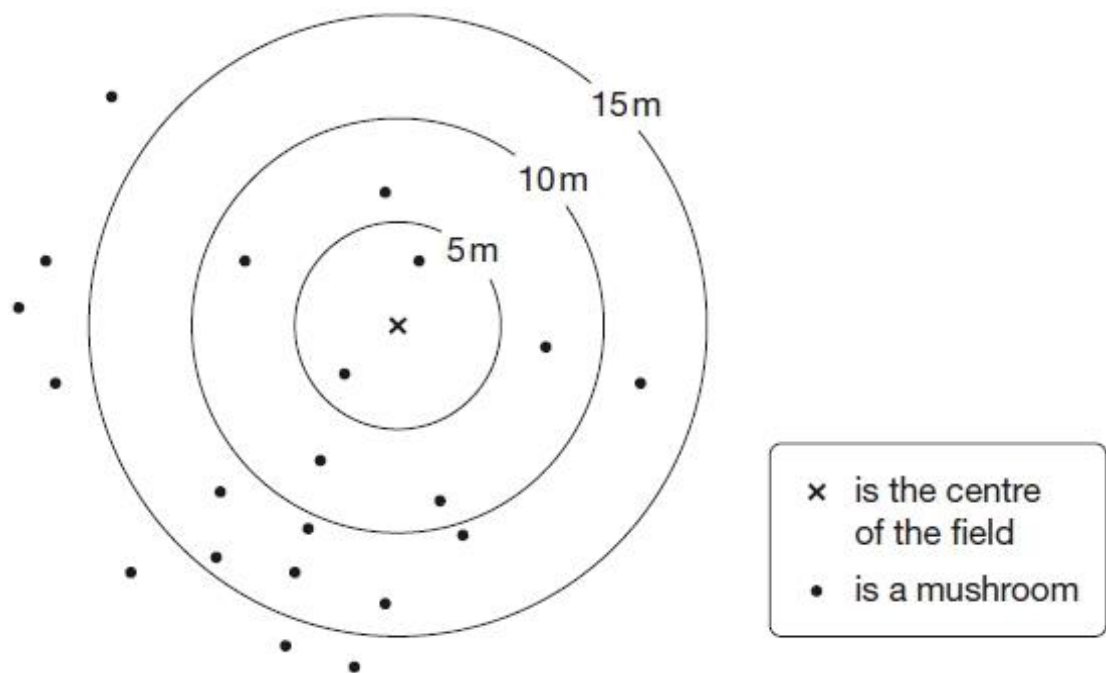
What number is marked at A?

1 mark

Q10.

Class 6 did a survey of mushrooms growing in a field.

The diagram shows the distances of mushrooms from the centre of the field.



How many mushrooms were more than 10 metres from the centre?

1 mark

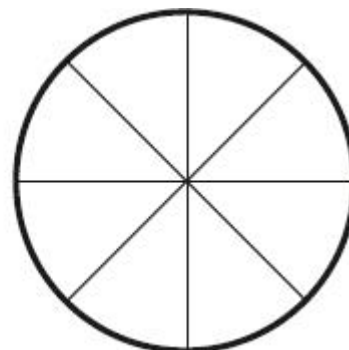
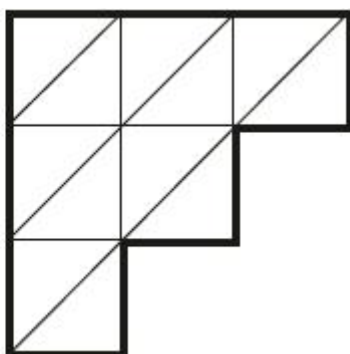
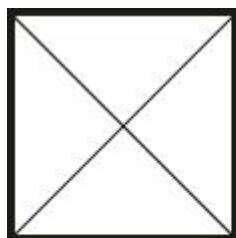
What **fraction** of the mushrooms were less than 10 metres from the centre?

1 mark

Q11.

Each diagram below is divided into equal sections.

Shade three-quarters of each diagram.



2 marks

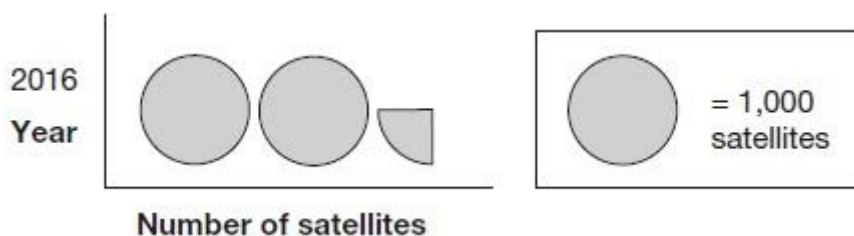
Q12.

What number is halfway between 1.4 and 2.1?

1 mark

Q13.

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

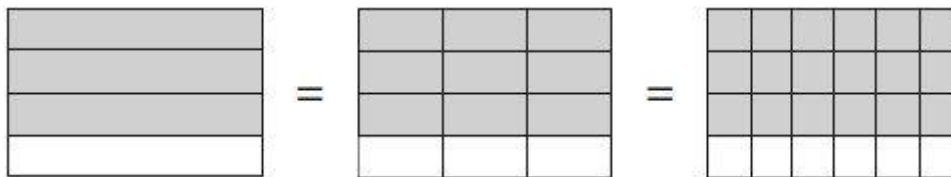


How many satellites were above the Earth in 2016?

1 mark

Q14.

These diagrams show three equivalent fractions.



Write the missing values.

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

1 mark