Year 4 Fractions and Decimals
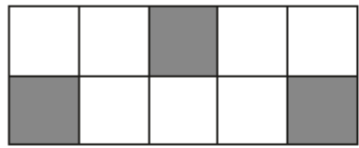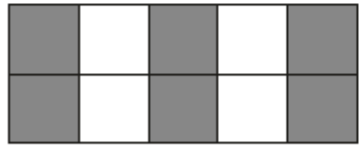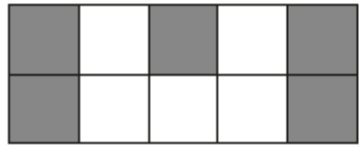
Q1.

Here are some shapes made of squares.

A fraction of each shape is shaded.

Match each shape to its equivalent fraction.

One has been done for you.

2 marks

Q2.

Tick (✓) each shape that is exactly $\frac{1}{4}$ shaded.
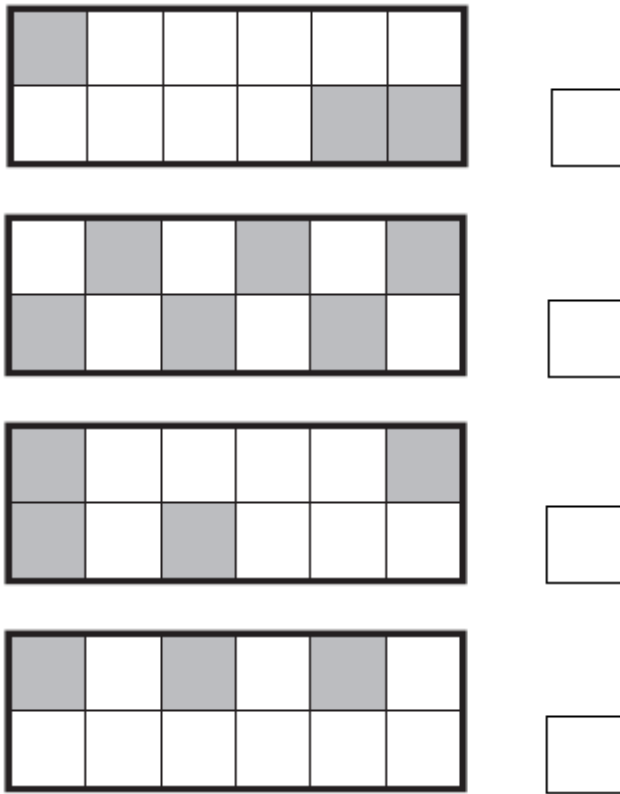
1 mark

Q3.

Circle the number that is closest to 20

19.95   20.1   19.09   20.09   20.201

1 mark

Q4.

A shop sells pairs of socks.

| knee socks | ankle socks | trainer socks |

1 pair for £5.45   **3 pairs** for £7.50   **5 pairs** for £8. 50

Kirsty buys 1 pair of knee socks and 3 pairs of ankle socks.

She pays with a £20 note.

How much change does she get?

Show
your
method

£

2 marks

Amy spends £25.50 on trainer socks.

How many **pairs** of trainer socks does she get?

pairs

1 mark

Q5.

The table shows the cost of a new football kit.

£8.75

£4.15

£5.95

Item	Cost
Shirt	£8.75
Shorts (1 pair)	£5.95
Socks (1 pair)	£4.15

Altogether, how much does the complete football kit cost?

£

1 mark

Q6.

Holly says,

'One-third of this shape is shaded'.

Is Holly correct?

Circle **Yes** or **No**.

Yes / No

Explain how you know.

1 mark

Q7.
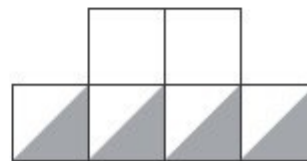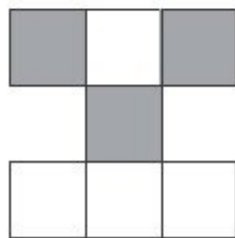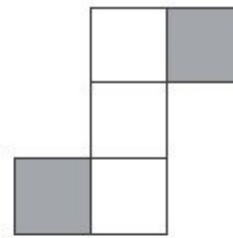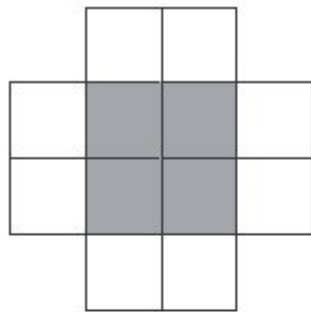
What number is halfway between 1.4 and 2.1?

Q8.

These diagrams are all made of squares.

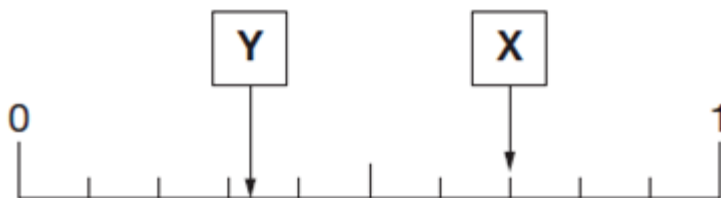Look at each diagram.

Put a tick (✔) if exactly $\frac{1}{3}$ of it is shaded. Put a cross (✗) if it is not.

2 marks

Q9.

Here is a number line.

Y   X

0   1

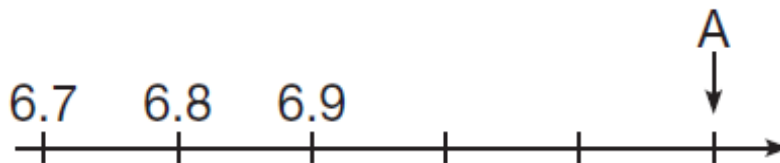What is the value of **X**?

X =

1 mark

Estimate the value of **Y**.

Y =

1 mark

Q10.
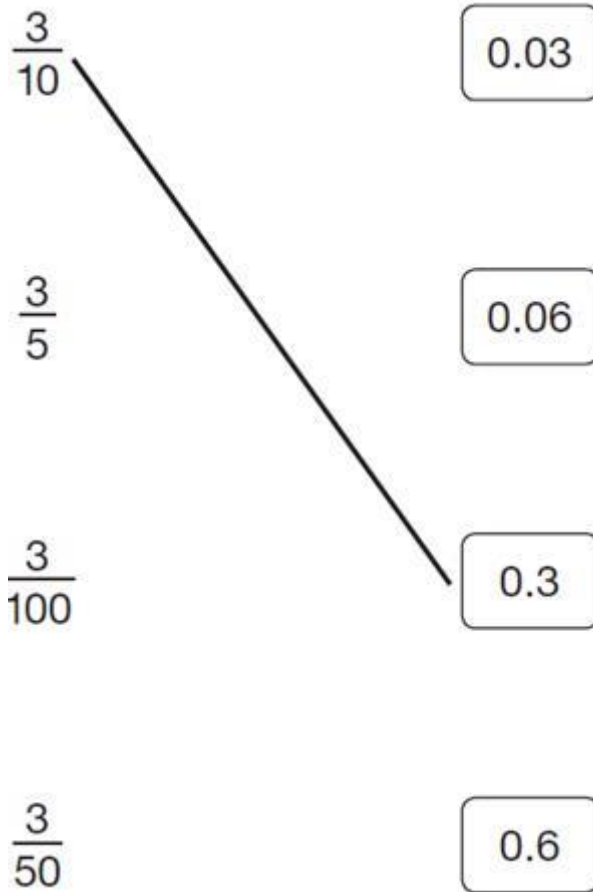

What number is marked at A?

1 mark

Q11.
Join each fraction to the correct decimal card.

The first one has been done for you.

$\dfrac{3}{10}$ 0.03

$\dfrac{3}{5}$ 0.06

$\dfrac{3}{100}$ 0.3

$\dfrac{3}{50}$ 0.6

1 mark

Q12.
Here are six cards.

| × 10 | × 100 | × 1000 |

| ÷ 10 | ÷ 100 | ÷ 1000 |

Use a card to complete each calculation.

5.3 $\boxed{}$ = 0.53

5.3 $\boxed{}$ = 5300

5.3 $\boxed{}$ = 0.053

2 marks

Q13.
Complete these calculations.

15 × 100 = $\boxed{}$

$\boxed{}$ × 10 = 1500

$\boxed{}$ ÷ 100 = 150

150 ÷ 10 = $\boxed{}$

2 marks