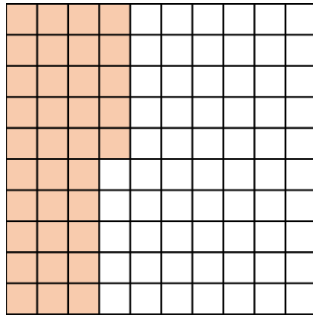


Name _____ **Answers**

- 1 This hundred square represents one whole.



What percentage is shaded?

35%

What fraction is **not** shaded?

$\frac{65}{100}$ or $\frac{13}{20}$

2 marks

- 2 Complete the statements using $<$, $>$ or $=$

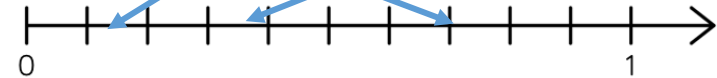
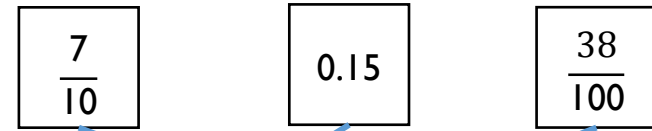
2% $<$ 0.2

$\frac{4}{10}$ $>$ 0.36

25% $=$ $\frac{1}{4}$

3 marks

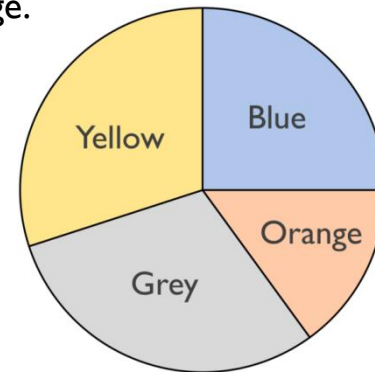
- 3 Draw lines to show where the numbers would lie on the number line.



Allow slight misplacement if intention is clear

3 marks

- 4 One quarter of this pie chart is blue.
15% is orange.



What **percentage** is blue or orange?

40%

The other two sections are equal in size.

What percentage of the whole chart is yellow?

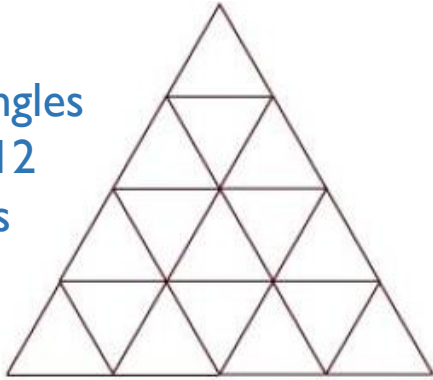
30%

1 mark

1 mark

- 5 Each of the small triangles in the diagram is equal in size.
Shade $\frac{3}{8}$ of the diagram.

Any six triangles shaded (or 12 half-triangles etc.)



- 6 Complete the boxes so the fractions are all equivalent.

$$\frac{3}{5} = \frac{\boxed{6}}{\boxed{10}} = \frac{\boxed{33}}{\boxed{55}}$$

- 7 Circle the **largest** fraction.

$$\frac{3}{4} \quad \frac{5}{6}$$

Explain how you chose your answer.

Chooses $\frac{5}{6}$ and gives any valid reason

e.g. $\frac{20}{24} > \frac{18}{24}$, $0.75 < 0.8333...$ etc.

- 8 Here are some number cards.

$$28 \div 100$$

2 marks – ticks all 4
1 mark – ticks 2 or 3

Tick the cards that have the same value as the calculation above.

$$\frac{14}{50}$$

$$\frac{7}{25}$$

$$0.28$$

$$14 \div 50$$

2 marks

1 mark

- 9 Put these numbers in order of size, starting with the smallest.

H

$$\frac{3}{8} \quad \frac{37}{1000} \quad \frac{2}{5} \quad \frac{1}{4} \quad \frac{19}{100}$$

$$\frac{37}{1000}, \frac{19}{100}, \frac{1}{4}, \frac{3}{8}, \frac{2}{5}$$

2 marks

1 mark – correct but reversed OR correct method e.g. all converted to same format

- 10 The sequence below is linear.

H

Work out the next two terms, giving your answers as fractions, decimals or percentages.

$$0.6 \quad 75\% \quad \frac{9}{10} \quad \underline{1.05} \quad \underline{\frac{6}{5}}$$

2 marks

Accept any equivalences e.g. 105%, 1.2(0)

1 mark

Total marks