


1

Circle the **two** fractions that are **greater than** $\frac{1}{2}$

 $\frac{1}{8}$

$\frac{6}{10}$

$\frac{5}{8}$

$\frac{3}{10}$

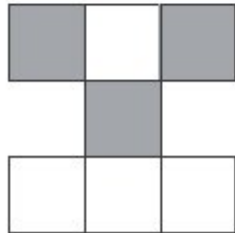
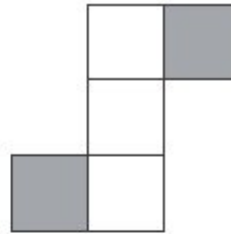
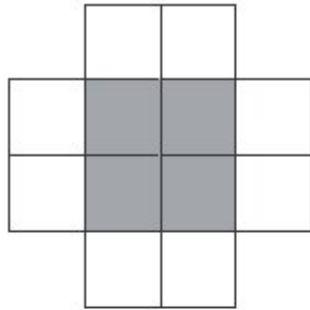
1 mark

2

These diagrams are all made of squares.

Look at each diagram.

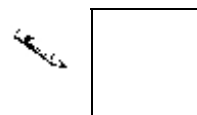
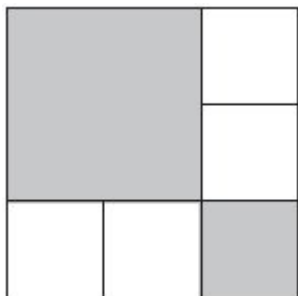
Put a tick (✓) if exactly $\frac{1}{3}$ of it is shaded. Put a cross (✗) if it is not.



2 marks

3 The diagram is made of squares.

What fraction of the diagram is shaded?



1 mark

4 Write the missing numbers.

One is done for you.

Improper fraction	Mixed number
$\frac{7}{4}$	$1\frac{3}{4}$
$\frac{\square}{2}$	$5\frac{1}{2}$
$\frac{17}{5}$	$3\frac{\square}{5}$

2 marks

5 Calculate $\frac{3}{4}$ of **840**



1 mark

6 Karen makes a fraction using two number cards.




She says,

***'My fraction is equivalent to $\frac{1}{2}$
One of the number cards is 6'***

What could Karen's fraction be?

Give both possible answers.

 / or /

2 marks

7 $\frac{1}{5} \times 70 =$

1 mark

8

Here are some number cards.



Use **two** of the cards to make a fraction which is **less than** $\frac{1}{2}$.



$$\frac{\quad}{\quad}$$

1 mark

How much **less than 1** is your fraction?



1 mark

9

$$\frac{1}{9} + \frac{1}{3} =$$

1 mark

10

$$1\frac{1}{3} \times 2 =$$

1 mark

11

$$\frac{5}{6} \times 24 =$$

1 mark

12

Calculate $\frac{3}{8}$ of **980**



1 mark

Mark schemes

1

Two fractions circled as shown:

$$\frac{1}{8} \quad \frac{6}{10} \quad \frac{5}{8} \quad \frac{3}{10}$$

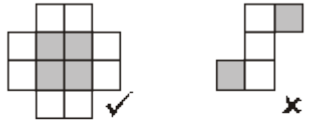
Both fractions must be correct for the award of the mark.

Accept any other clear way of indicating the two correct fractions, such as underlining or ticking.

[1]

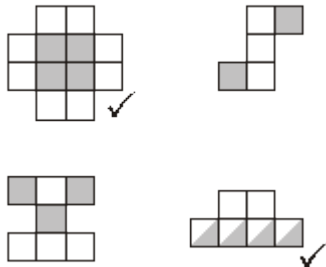
2

Award **TWO** marks for diagrams ticked or crossed as shown:



Accept alternative unambiguous indications, eg **Y** or **N**.

For **TWO** marks, accept:



If the answer is incorrect, award **ONE** mark for three diagrams ticked or crossed correctly.

Up to 2

[2]

3

$$\frac{5}{9}$$

Accept equivalent fractions.

[1]

4 $\frac{11}{2}$

1

$3\frac{2}{5}$

1

[2]

5 630

[1]

6 Award **TWO** marks for both fractions correct as shown:

$\frac{3}{6}$ OR $\frac{6}{12}$

If the answer is incorrect, award **ONE** mark for one fraction correct.

Accept fractions written in either order.

Up to 2

[2]

7 14

[1]

8 (a) $\frac{3}{7}$ OR $\frac{3}{9}$ OR $\frac{3}{11}$ OR $\frac{5}{11}$

Accept only fraction formed by the cards given.

1

(b) $\frac{4}{7}$ OR $\frac{6}{9}$ OR $\frac{8}{11}$ OR $\frac{6}{11}$

consistent with part (a).

If part (a) is incorrect, accept working of 1 – (answer to part (a)) provided the numbers used are on the cards.

Accept decimals.

If answer to part (a) is greater than 1, answer to part (b) must be negative.

1

[2]

9 $\frac{4}{9}$

[1]

10

$$2\frac{2}{3}$$

[1]

11

20

[1]

12

367.5 OR $367\frac{1}{2}$

[1]

Notes

1

Look at the fractions. Say whether each fraction is equivalent to $\frac{1}{2}$, more than $\frac{1}{2}$ or less than $\frac{1}{2}$.

1 $\frac{1}{8}$ is less than $\frac{1}{2}$

2 $\frac{6}{10}$ is more than $\frac{1}{2}$

3 $\frac{5}{8}$ is more than $\frac{1}{2}$

4 $\frac{3}{10}$ is less than $\frac{1}{2}$

5 $\frac{2}{4}$ is equivalent to $\frac{1}{2}$

6 $\frac{5}{6}$ is more than $\frac{1}{2}$

7 $\frac{5}{10}$ is equivalent to $\frac{1}{2}$

Level 3; APP Ma? AF 2

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