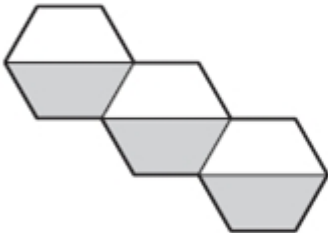


1

Here are three shapes made from regular hexagons.

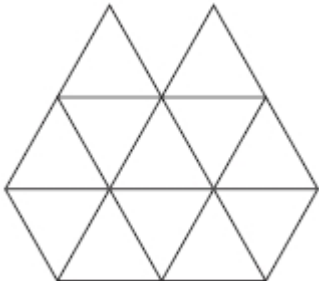
Write the **fraction** of each shape that is shaded.



2 marks

2

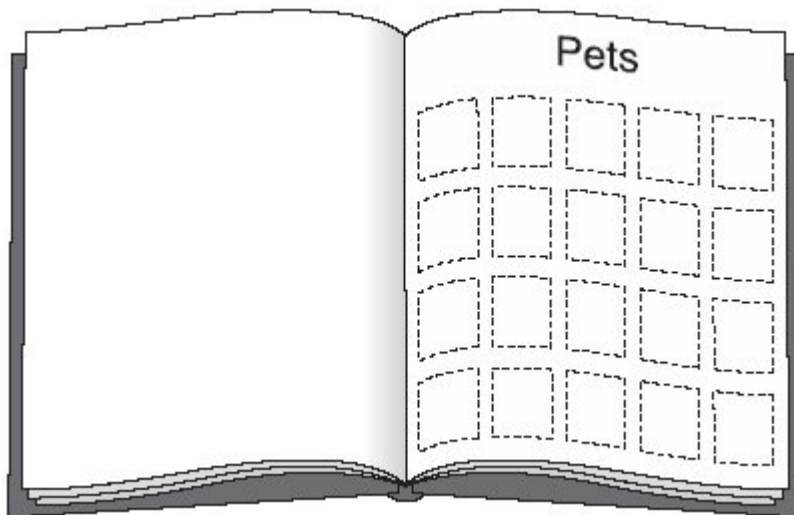
Shade  $\frac{1}{4}$  of this shape.



1 mark

3

Meg has 20 pet stickers to go on this page.



$\frac{1}{4}$  of them are dog stickers.

$\frac{1}{2}$  of them are cat stickers.

The rest are rabbit stickers.

How many rabbit stickers does she have?



stickers

1 mark

4

Circle the **two** fractions that have the same value.



$\frac{2}{10}$

$\frac{1}{3}$

$\frac{1}{2}$

$\frac{5}{10}$

$\frac{1}{4}$

1 mark

5 Ben cuts a pizza into 8 equal pizzas.

Ben eats  $\frac{5}{8}$  and Sue eats  $\frac{1}{8}$  of the pizza.

What fraction of the pizza is left?

1 mark

6 Write these numbers in order starting with the smallest.

$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{8}$	$\frac{1}{5}$
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

smallest

1 mark

7 Draw **one** line to join **two** fractions which have the **same** value.

→

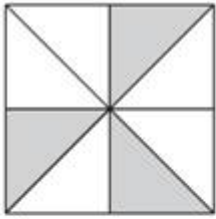
	$\frac{4}{7}$	
$\frac{1}{2}$		$\frac{2}{8}$
$\frac{2}{5}$		$\frac{1}{3}$
	$\frac{1}{4}$	

1 mark

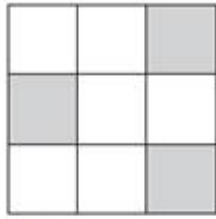
8

Each of these diagrams is divided into equal parts.

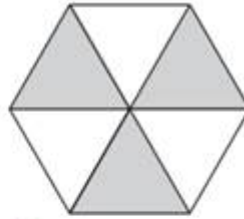
Some of the parts are shaded.



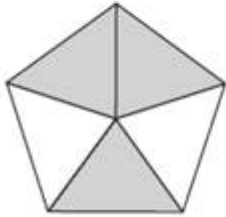
A



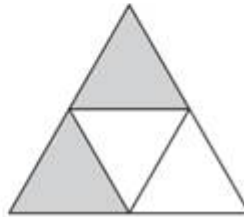
B



C



D



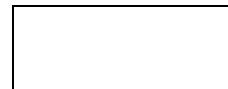
E

Write the letters of all the diagrams that have exactly  $\frac{1}{2}$  shaded.



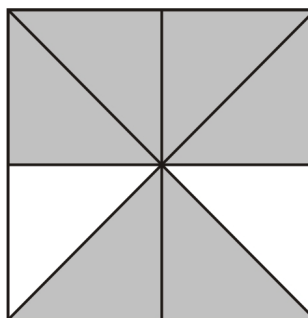
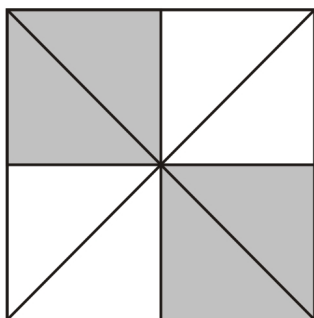
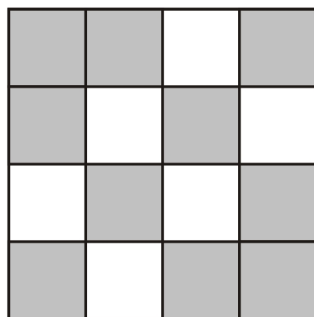
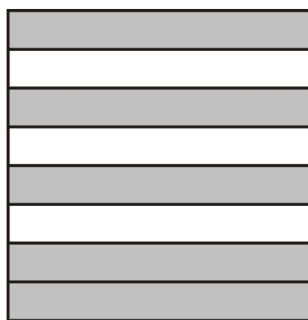
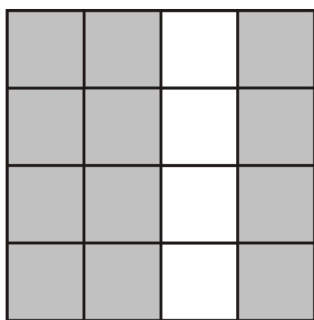
1 mark

Which of the diagrams has exactly  $\frac{1}{3}$  shaded?



1 mark

**9** Tick (✓) the **two** shapes that have **three-quarters** shaded.



1 mark

**10**  $\frac{1}{3} = \frac{?}{15}$

1 mark

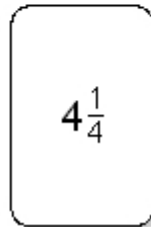
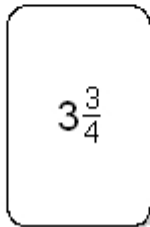
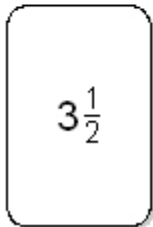
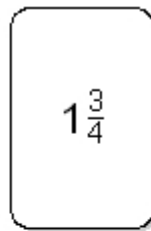
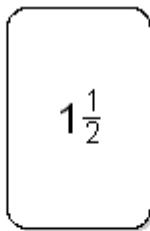
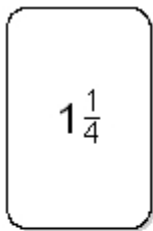
**11**  $\frac{1}{4} = \frac{?}{24}$

1 mark

12

Tick (✓) **two** cards that give a **total of 5**

انتسبها



1 mark

13

This jug holds  $\frac{1}{2}$  litre.



This bucket holds 5 litres



How many **full** jugs of water are needed to fill the bucket?

1 mark

## Mark schemes

1

Award **TWO** marks for three fractions correct as shown:

$$\frac{1}{4}$$

**AND**

$$\frac{1}{2}$$

**AND**

$$\frac{1}{3}$$

If the answer is incorrect, award **ONE** mark for two fractions correct.

*Accept equivalent fractions, eg*

$$\frac{3}{6} \text{ for } \frac{1}{2}$$

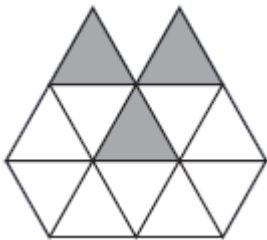
$$\frac{2}{6} \text{ for } \frac{1}{3}$$

Up to 2

[2]

2

Diagram completed to show three triangles shaded, or equivalent, eg



*Accept inaccurate shading provided the intention is clear.*

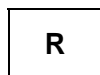
[1]

3

5

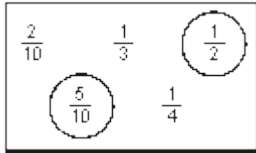
**Do not accept**  $\frac{1}{4}$

*Accept five stickers indicated on the drawing, provided it is clear they are **rabbit** stickers, eg*



[1]

**4** Circles two fractions as shown:



**Both** fractions must be correct for the award of the mark.  
 Accept any other clear way of indicating the correct fractions, such as ticking or underlining.

[1]

**5**  $\frac{1}{4}$  or  $\frac{2}{8}$

[1]

**6**  $\frac{1}{8}$   $\frac{1}{5}$   $\frac{1}{4}$   $\frac{1}{2}$

[1]

**7**  $\frac{2}{8}$  joined to  $\frac{1}{4}$

The line need not touch the fractions, provided the intention is clear.

**Do not** award the mark if more than one pair of fractions are joined.

[1]

**8** (a) C AND E

Letters may be given in either order.

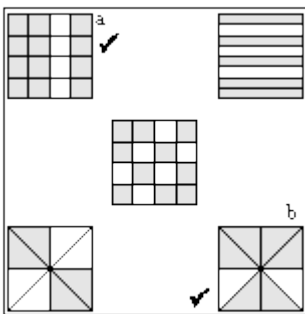
1

(b) B

1

[2]

**9** ✓s on shapes a and b.



If extra shapes are ticked, do not award the mark unless the child clearly indicates which are his or her final selection.

[1]



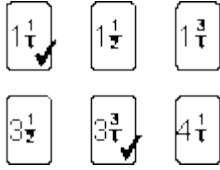
10 5

[1]

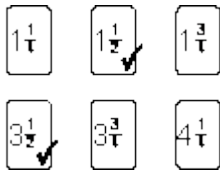
11 6

[1]

12 Two cards ticked as shown:



OR



*Accept alternative unambiguous indications such as circling or a line joining a correct pair of cards.*

[1]

13 10 (jugs)

[1]