## **EQUIVALENT FRACTIONS**

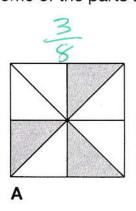
CONTENT DOMAIN REFERENCES:

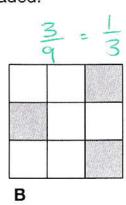
## **KS2 SATS**

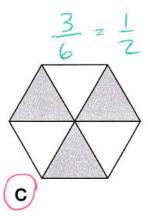
PRACTICE QUESTIONS BY TOPIC

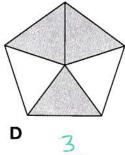
Each of these diagrams is divided into equal parts. Some of the parts are shaded.

[2014]

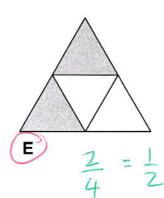




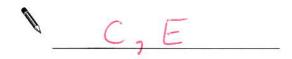








Write the letters of all the diagrams that have exactly  $\frac{1}{2}$  shaded.



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



[1 mark]

2

Sarah has a packet of balloons.

[2010]

The contents of the packet are

5 red balloons

5 blue balloons

10 yellow balloons





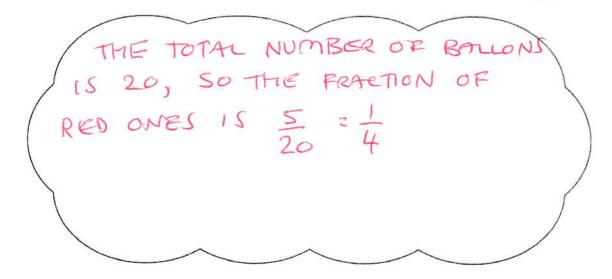
Sarah says,

'One-quarter of the balloons are red'.

Is Sarah correct? Circle **Yes** or **No**.



Explain how you know.

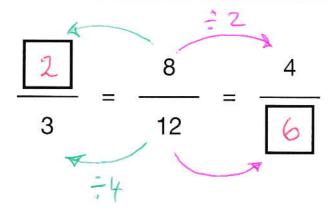


[1 mark]

3

Write the two missing values to make these equivalent fractions correct.

[2016]



Two of the fractions below are equivalent.

[2009]

Circle them.

 $\frac{16}{20}$ 

[1 mark]

5

Complete these fractions to make each equivalent to  $\frac{3}{5}$ 

[2001]





12

[2 marks]

6

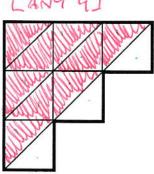
Each diagram below is divided into equal sections.

[2016]

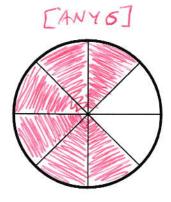
Shade three-quarters of each diagram.



[ANY 9]



12 TRIANGLES, 8 SECTURS, SO SHADE 9 SO SHADE 6



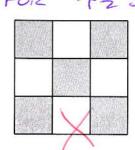


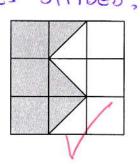
Here are five diagrams.

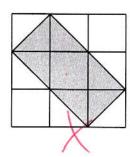
[2007]

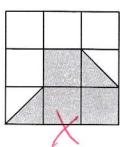
Put a tick ( $\checkmark$ ) on the diagram if exactly  $\frac{1}{2}$  of it is shaded. Put a cross ( $\mathbf{x}$ ) if it is not.

ELOOKING POR 4½ SQUARES STADED; ]







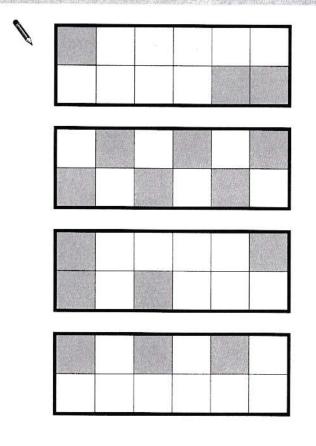


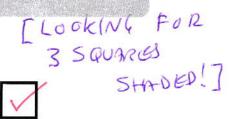
[1 mark]

8

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

[2013]



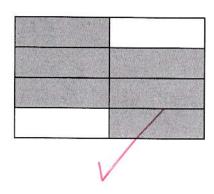


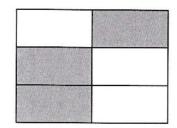


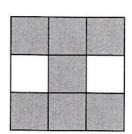


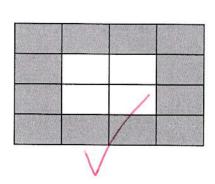


[2017]









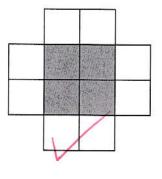
[1 mark]

10

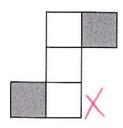
These diagrams are all made of squares.

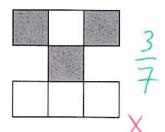
[2010]

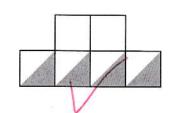
Put a tick ( $\checkmark$ ) if exactly  $\frac{1}{3}$  of it is shaded. Put a cross (x) if it is not.











$$\frac{2}{6} = \frac{1}{3}$$



Karen makes a fraction using two number cards.

[2003]

She says,

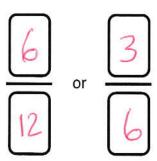
'My fraction is equivalent to  $\frac{1}{2}$ 



One of the number cards is 6'

What could Karen's fraction be?

Give both possible answers.



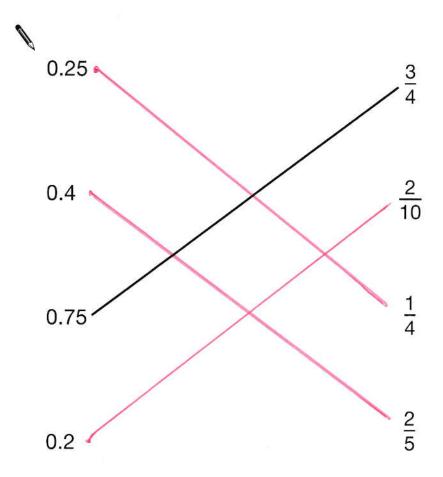
[1 mark]

12

Match each decimal number to its equivalent fraction.

[2006]

One has been done for you.





Holly says,

## 'One-third of this shape is shaded'.

Is Holly correct? Circle **Yes** or **No**.



Explain how you know.

THE TWO TRIANGLE MAKE ONE
WHOLE SQUARE,
SINCE THERE FRE THREE SQUARES IN
TOTAL 1 IS SHADED,

[1 mark]

14

Here are some digit cards.

[New]

Use four of the cards to complete these equivalent fractions.

Each fraction is less than one.

$$\frac{2}{3} = \frac{6}{9}$$

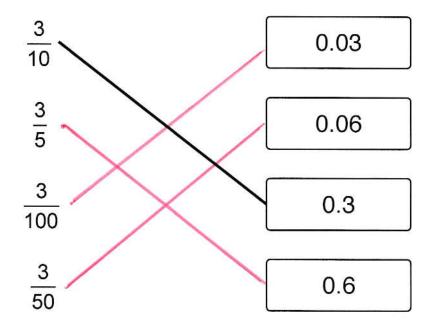
$$\frac{6}{8} = \frac{3}{4}$$

15

Join each fraction to the correct decimal card.

[2014]

One has been done for you.

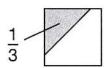


[2 marks]

16

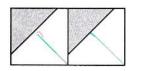
 $\frac{1}{3}$  of this square is shaded.

[2008]

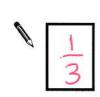


The same square is used in the diagrams below.

What fraction of this diagram is shaded?



26



What fraction of this diagram is shaded?

