UNDERSTANDING FRACTIONS

CONTENT DOMAIN REFERENCES:

KS2 SATS PRACTICE QUESTIONS BY TOPIC

F1

1

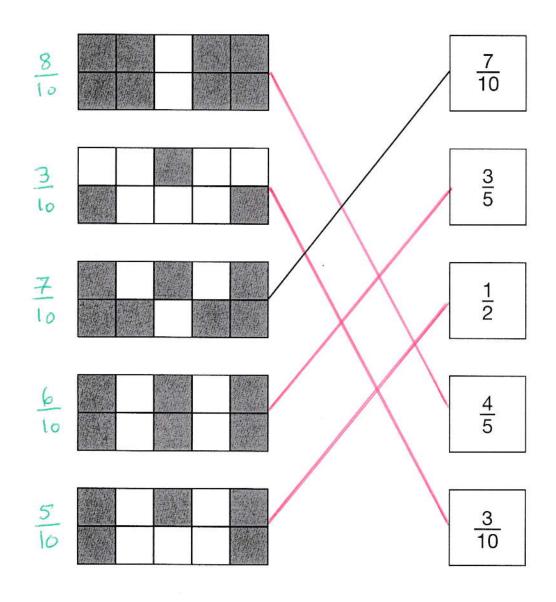
Here are some shapes made of squares.

[2016S]

A fraction of each shape is shaded.

Match each shape to its equivalent fraction.

One has been done for you.



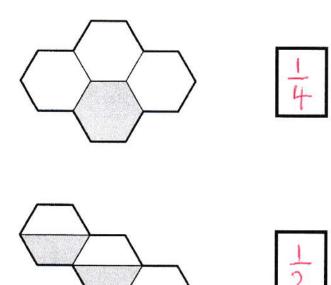
[2 marks]

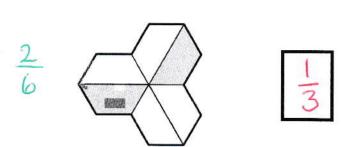
2

Here are three shapes made from regular hexagons.

[2012]

Write the fraction of each shape that is shaded.



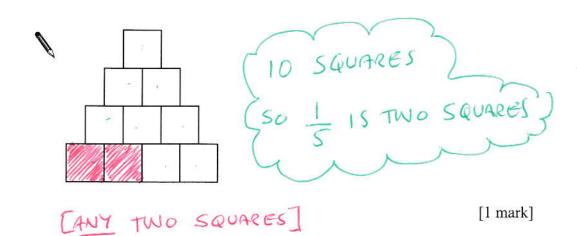


[2 marks]

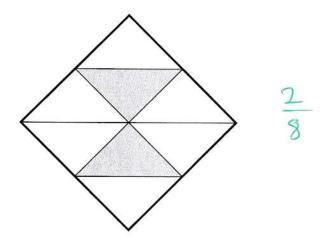
3

Shade $\frac{1}{5}$ of this shape.

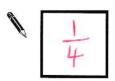
[2008]



[2004]



What fraction of the square is shaded?



[1 mark]

5

This square has two dots on each side.

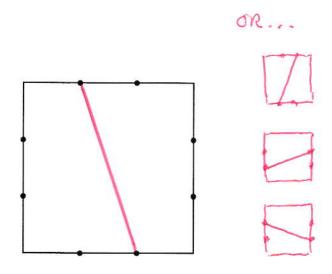
[2012]

The dots are equally spaced.

Join two dots to divide the square into two equal parts.

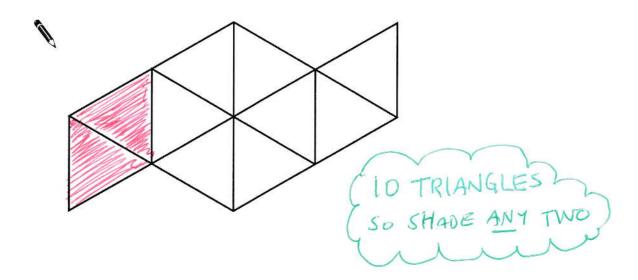
Use a ruler.



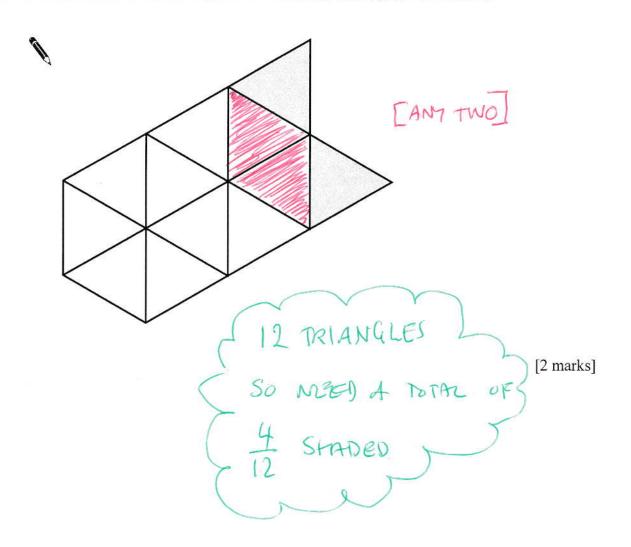


Shade $\frac{1}{5}$ of this shape.

[2015]



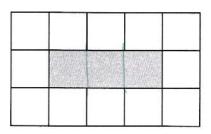
Shade **more** triangles on this shape so that $\frac{1}{3}$ is shaded.



7

This diagram shows a shaded rectangle surrounded by squares.

[2011]



3

What fraction of the diagram is shaded?

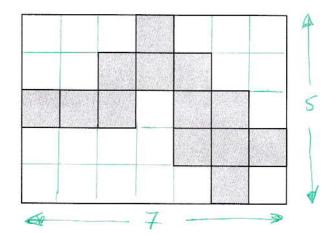


[1 mark]

8

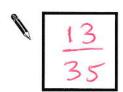
[2003]

Here is a rectangle with 13 identical shaded squares inside it.



1<u>3</u>

What fraction of the rectangle is shaded?

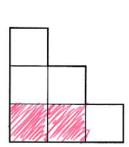


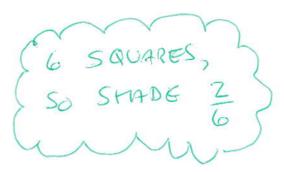


Shade one third of this shape.

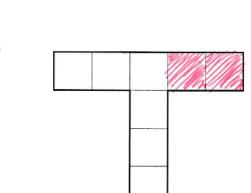
[2001]

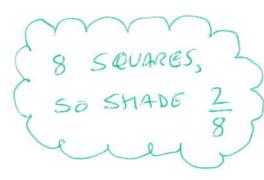






Shade one quarter of this shape.





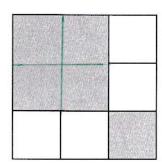
[2 marks]

10

The diagram is made of squares.

[2005]

What fraction of the diagram is shaded?

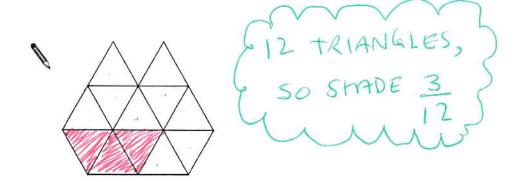


59



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

[2012]



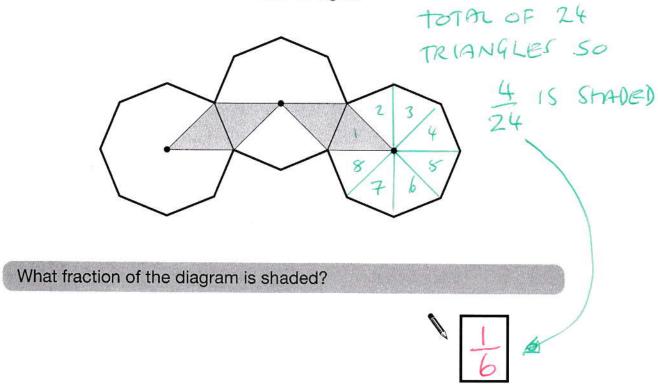
[1 mark]

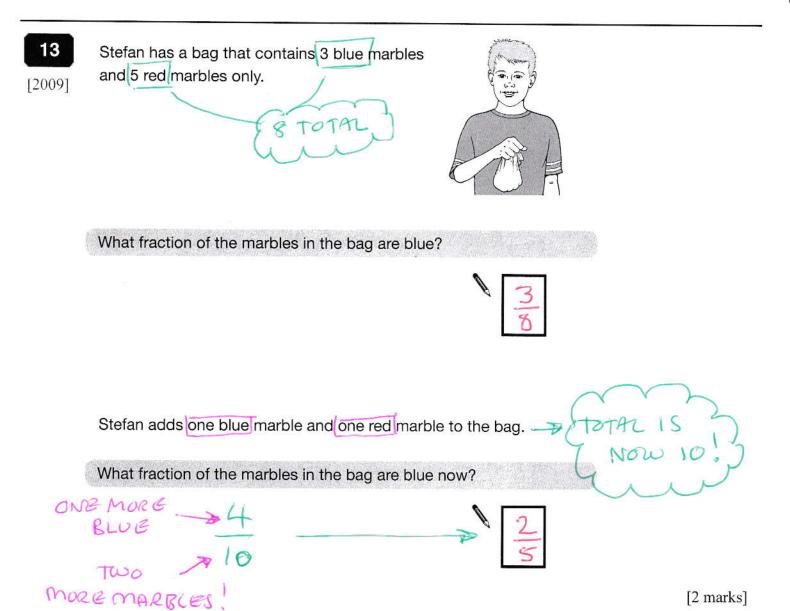
12

The diagram shows three regular octagons joined together.

[2007]

There is a dot at the centre of each octagon.





14

This diagram shows four regular hexagons.

[2003]

Shade in one third of the diagram.

