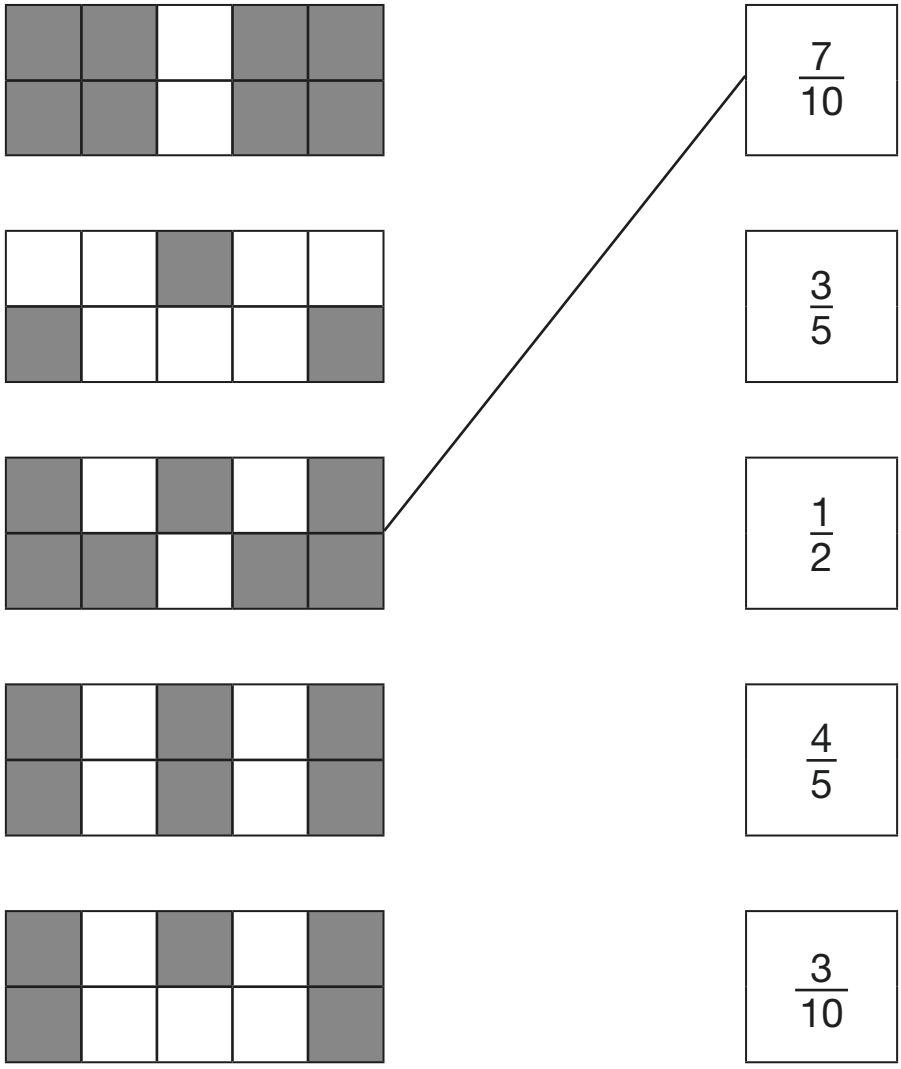
1 [2016S]

Here are some shapes made of squares.

A fraction of each shape is shaded.

Match each shape to its equivalent fraction.

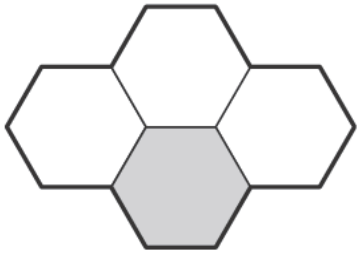
One has been done for you.

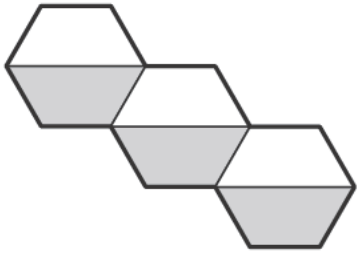


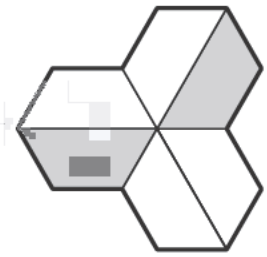
[2 marks]

2 Here are three shapes made from regular hexagons.

[2012] Write the fraction of each shape that is shaded.



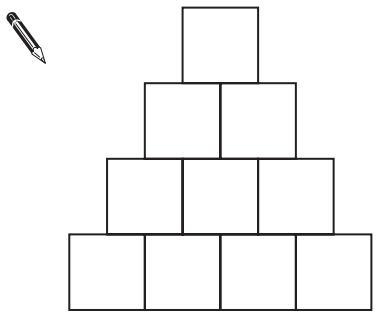




[2 marks]

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

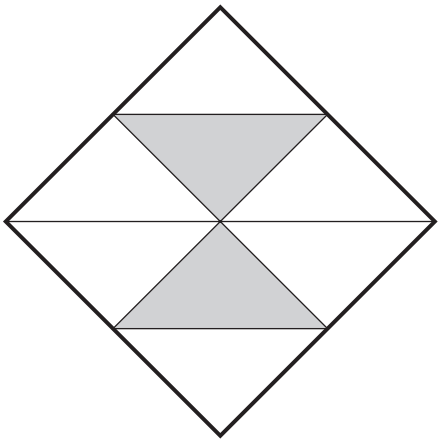
[2008]



[1 mark]

4 Here is a square.

[2004]



What fraction of the square is shaded?

[1 mark]

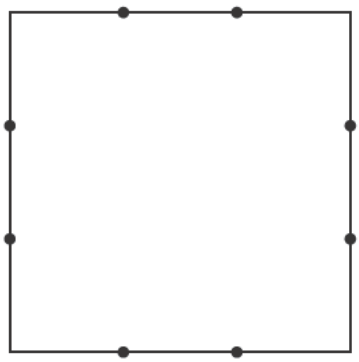
5 This square has two dots on each side.

[2012]

The dots are equally spaced.

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

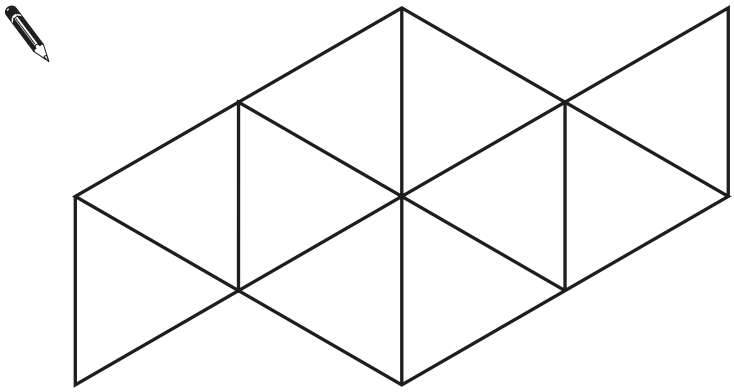
Use a ruler.



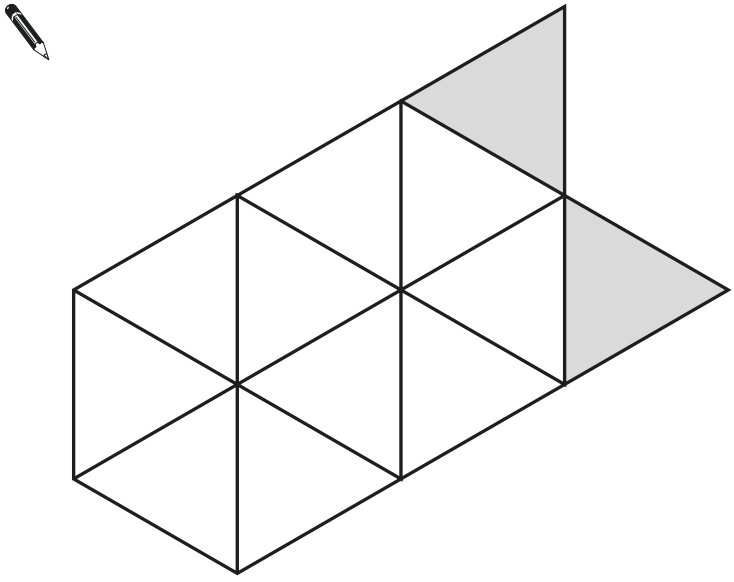
[1 mark]

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

[2015]



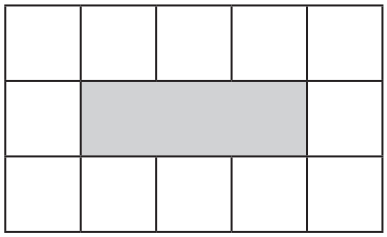
Shade **more** triangles on this shape so that $\frac{1}{3}$ is shaded.



[2 marks]

7 This diagram shows a shaded rectangle surrounded by squares.

[2011]

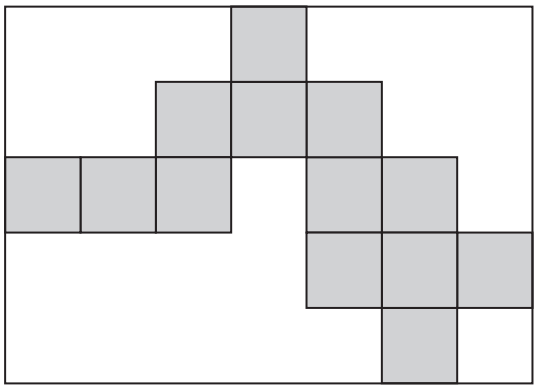


What fraction of the diagram is shaded?

[1 mark]

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

[2003]

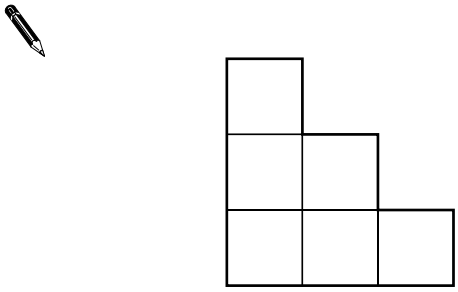


What fraction of the rectangle is shaded?

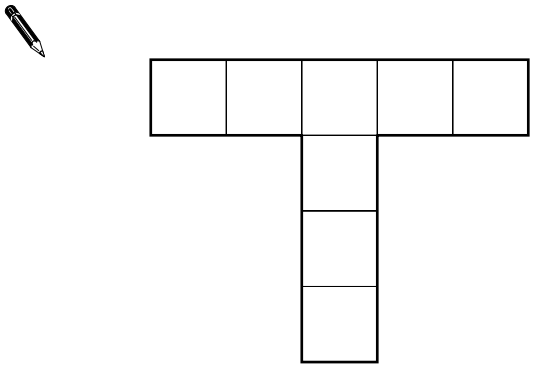
[1 mark]

9 Shade **one third** of this shape.

[2001]



Shade **one quarter** of this shape.

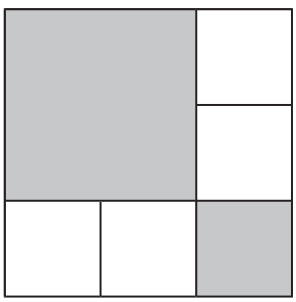


[2 marks]

10 The diagram is made of squares.

[2005]

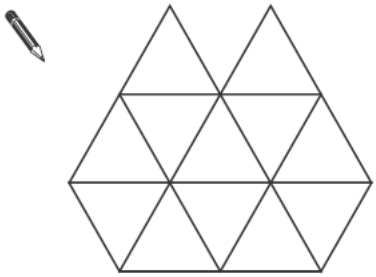
What fraction of the diagram is shaded?



[1 mark]

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

[2012]

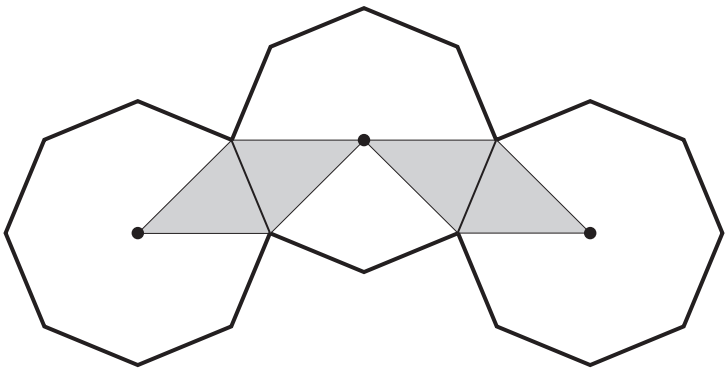


[1 mark]

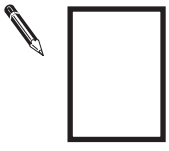
12 The diagram shows three regular octagons joined together.

There is a dot at the centre of each octagon.

[2007]



What fraction of the diagram is shaded?

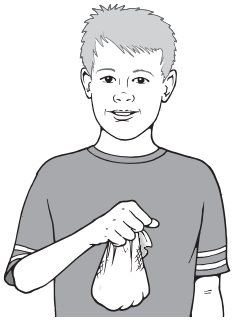


[1 mark]

13

[2009]

Stefan has a bag that contains 3 blue marbles and 5 red marbles only.



What fraction of the marbles in the bag are blue?

Stefan adds one blue marble and one red marble to the bag.

What fraction of the marbles in the bag are blue now?

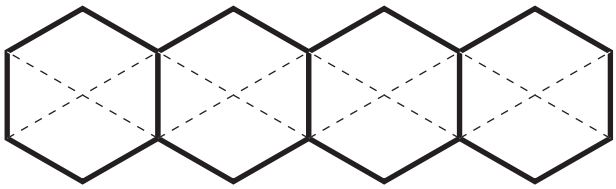
[2 marks]

14

[2003]

This diagram shows four regular hexagons.

Shade in **one third** of the diagram.



[1 mark]