KS2 Maths Skills Organiser presents GENIUS MATHS

FRACTIONS OF SHAPES

Help Code : 021

9 Tick two shapes that have $\frac{3}{4}$ shaded.
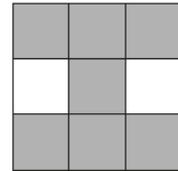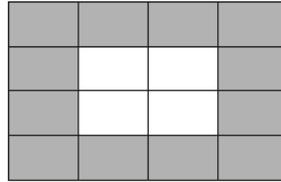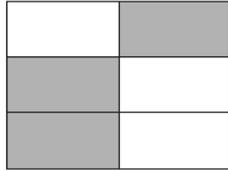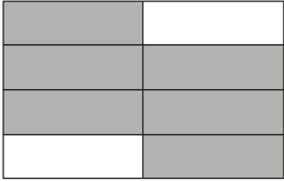
10 Each diagram below is divided into equal sections.
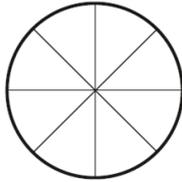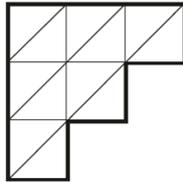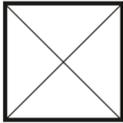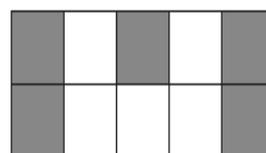
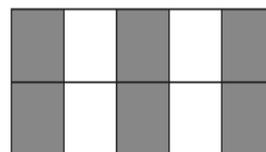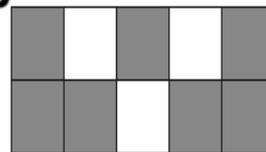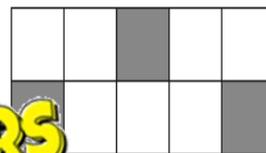Shade three-quarters of each diagram.

4 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.
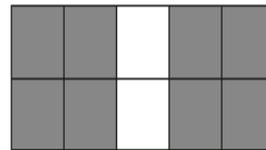
$\frac{7}{10}$

$\frac{3}{5}$

$\frac{1}{2}$

$\frac{4}{5}$

$\frac{3}{10}$

18 100 girls and 50 boys were asked which kind of chocolate they like best.

These two pie charts show the results.

plain chocolate / white chocolate / milk chocolate

100 girls

50 boys

Dev says,

"The pie charts show that more girls than boys liked milk chocolate best."

Dev is correct.

Explain how you know.

LAST YEARS questions

Y6 SATs — Fractions of Shapes BOOSTER

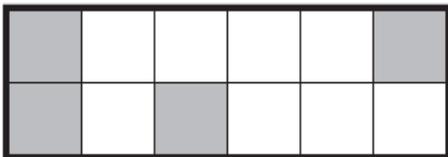Tick (✓) each shape that is exactly $\frac{1}{4}$ shaded.

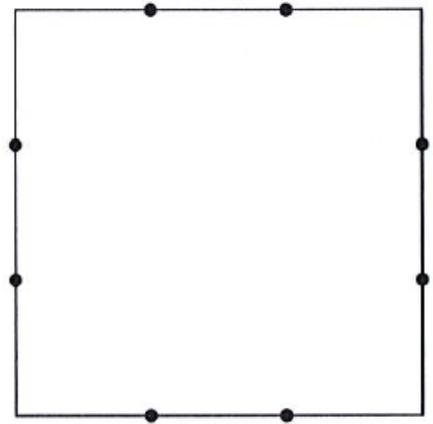**2013A KS2 Q14**
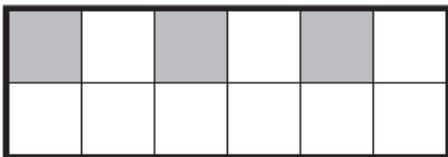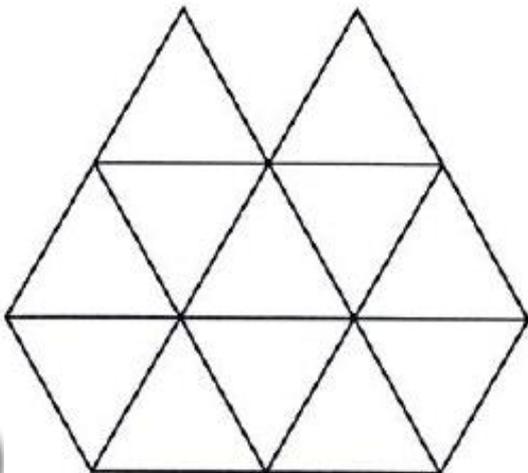
This square has two dots on each side.

The dots are equally spaced.

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

Use a ruler.

2012A KS2 Q8

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

2012A KS2 Q9

Holly says,

'One-third of this shape is shaded'.

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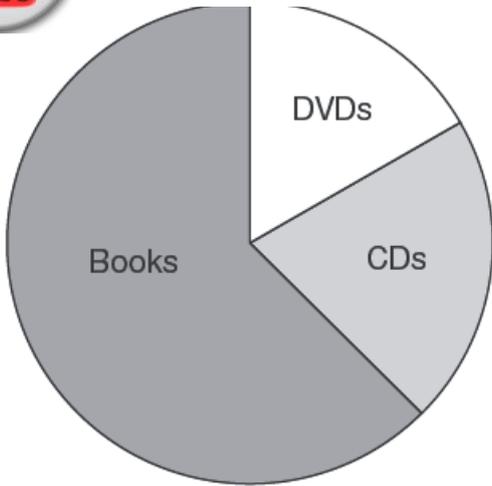Circle **Yes** or **No**.

Yes / No

Explain how you know.

2011A KS2 Q15

A shop sells books, CDs and DVDs.

DVDs

Books   CDs

This pie chart shows the sales of each in one week.

Estimate the **fraction** of the total sales that were DVDs.

In this week, 200 **CDs** were sold.

Estimate how many books were sold.

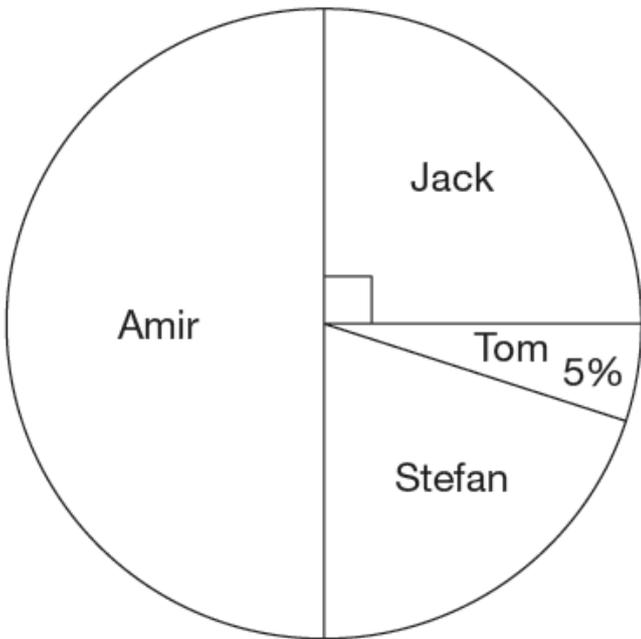**40** children predicted who would win the boys' race at sports day.

This pie chart shows their predictions.

What percentage of the children predicted that Stefan would win?

%

Jack

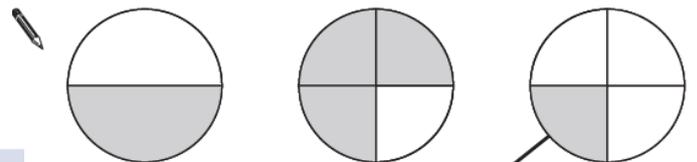Amir

Tom 5%

Stefan

10 children predicted the winner of the race **correctly**.

Who won the race?

Explain how you know.

A fraction of each shape is shaded.

Match each fraction to the correct place on the number line.
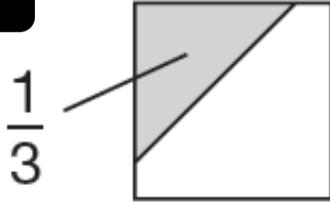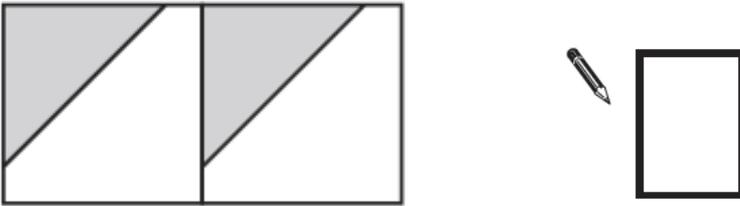
One has been done for you.

0   1

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

$\frac{1}{3}$

The same square is used in the diagrams below.

What fraction of this diagram is shaded?
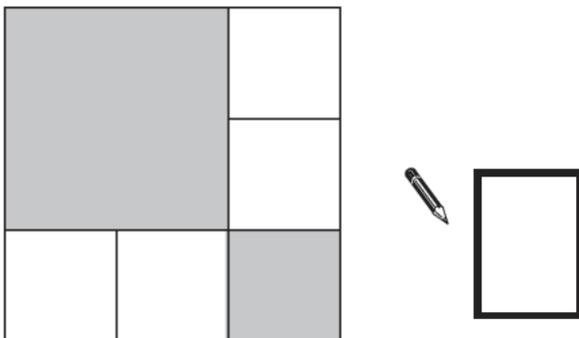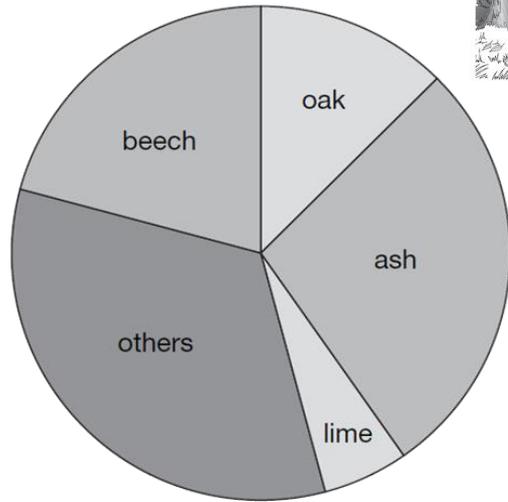
What fraction of this diagram is shaded?

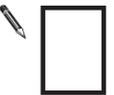Class 6 did a survey of the number of trees in a country park.

This pie chart shows their results.

oak

beech

ash

others

lime

Estimate the **fraction** of trees in the survey that are **oak** trees.

The children counted 60 **ash** trees.

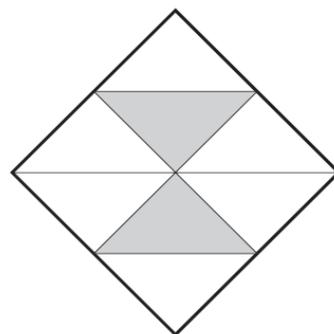Use the pie chart to estimate the **number** of **beech** trees they counted.

The diagram is made of squares.

What fraction of the diagram is shaded?

Here is a square.

What fraction of the square is shaded?

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

What fraction of the rectangle is shaded?