



Help Code : 011

# FRACTION

18

## DECIMAL & % EQUIVALENCE

A cat sleeps for 12 hours each day.

50% of its life is spent asleep.



Write the missing percentage.

A koala sleeps for 18 hours each day.

% of its life is spent asleep.

20

Adam says,

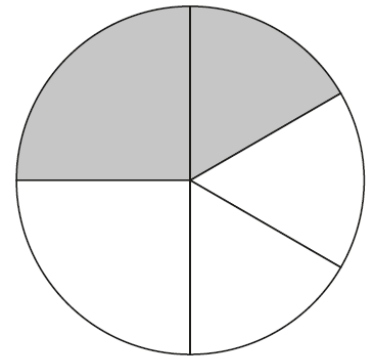
0.25 is **smaller** than  $\frac{2}{5}$

Explain why he is correct.



23

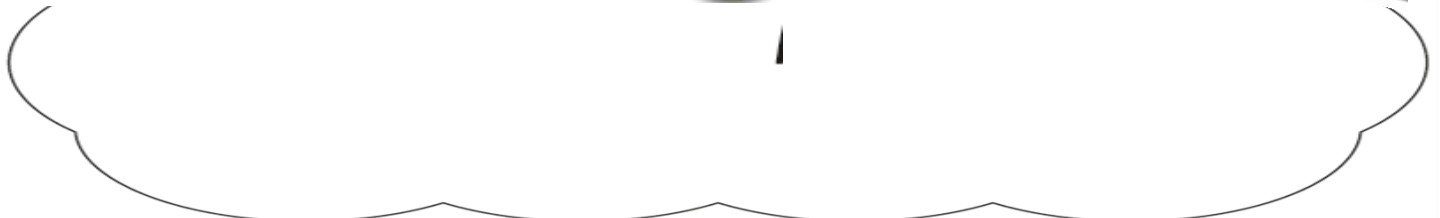
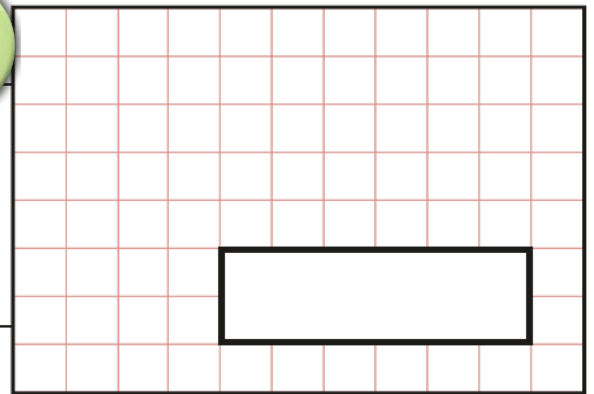
In this circle,  $\frac{1}{4}$  and  $\frac{1}{6}$  are shaded.



What fraction of the whole circle is **not** shaded?



Show your method



**17**In each box, circle the number that is **greater**. $1\frac{1}{2}$ 

1.2

 $1\frac{5}{100}$ 

1.4


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

1.3

 $1\frac{3}{5}$ 

1.5

**13**

Here are four fraction cards.

 $\frac{3}{4}$  $\frac{5}{8}$  $\frac{6}{12}$  $\frac{7}{16}$ Use any **three** of the cards to make this correct.

 LAST YEARS  
questions

&lt;

&lt;

**7**

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

$$\frac{\square}{3} = \frac{8}{12} = \frac{4}{\square}$$





2013A KS2 Q22

Write these in order of size, starting with the smallest.

$\frac{2}{3}$

0.5

$\frac{3}{5}$

0.65




smallest





2012A KS2 Q23

Write these in order of size, starting with the smallest.

$\frac{3}{4}$

0.34

0.7

43%




smallest





2010A KS2 Q20

Circle the fraction that is greater than  $\frac{1}{2}$  but less than  $\frac{3}{4}$



$\frac{7}{8}$

$\frac{2}{5}$

$\frac{1}{3}$

$\frac{5}{8}$

$\frac{3}{6}$



Two of the fractions below are **equivalent**.

2009A KS2 Q22

Circle them.



$\frac{2}{3}$

$\frac{6}{10}$

$\frac{9}{12}$

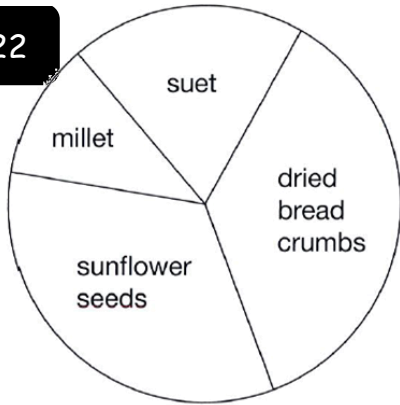
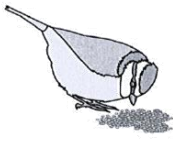
$\frac{10}{15}$

$\frac{16}{20}$



This pie chart shows the ingredients to make a food mixture for wild birds.

2012A KS2 Q22



Estimate the **percentage** of mixture that is suet.

%

Mina uses 100 grams of millet in the mixture.

Estimate how many grams of sunflower seeds she should use.

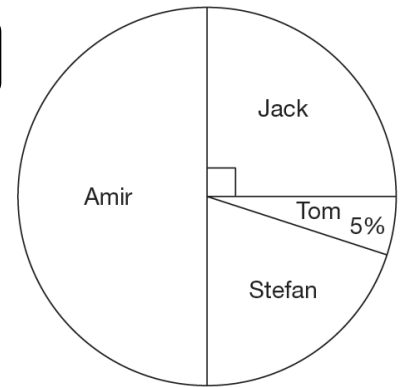
g



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

This pie chart shows their predictions.

2009A KS2 Q21



What percentage of the children predicted that Stefan would win?

%

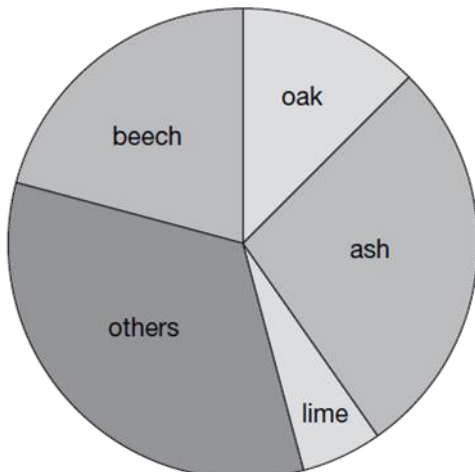
10 children predicted the winner of the race **correctly**.

Who won the race?

Explain how you know.



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



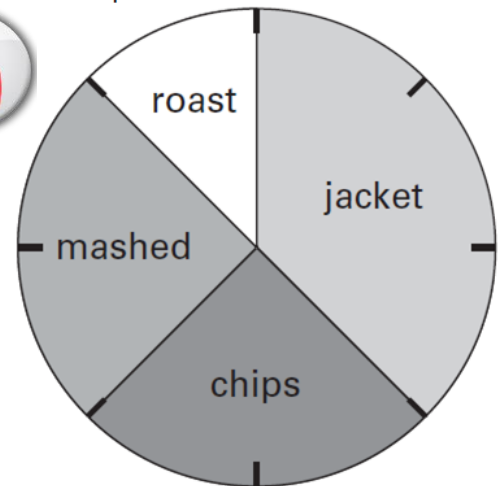
Estimate the **fraction** of trees in the survey that are oak trees.

2006A KS2 Q20

The children counted 60 **ash** trees.

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

This pie chart shows how the children in Class 6 best like their potatoes cooked.



32 children took part in the survey.

Look at the four statements below.

For each statement put a tick (✓) if it is **correct**. Put a cross (✗) if it is **not correct**.

2005A KS2 Q18

10 children like chips best.

25% of the children like mashed potatoes best.

$\frac{1}{5}$  of the children like roast potatoes best.

12 children like jacket potatoes best.



Match each decimal number to its equivalent fraction.

One has been done for you.

2006A KS2 Q11



0.25

$\frac{3}{4}$

0.4

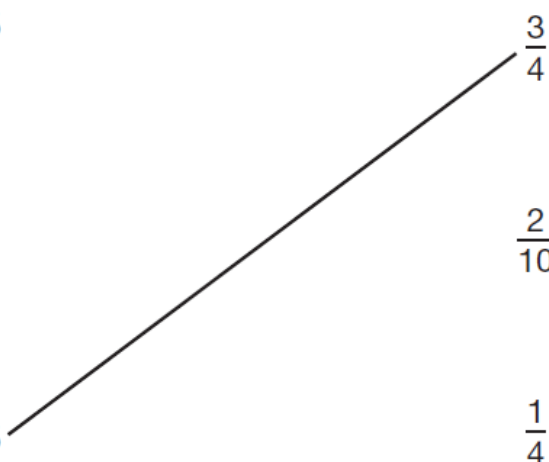
$\frac{2}{10}$

0.75

$\frac{1}{4}$

0.2

$\frac{2}{5}$



2005A KS2 Q22

Write these fractions in order of size starting with the smallest.

$\frac{3}{4}$

$\frac{3}{5}$

$\frac{9}{10}$

$\frac{17}{20}$



smallest



The pie charts show the results of a school's netball and football matches.



Netball



Football

The netball team played 30 games.

The football team played 24 games.

Estimate the percentage of games that the netball team lost.

David says,

 %

'The two teams won the same number of games.'

Is he correct?  
Circle Yes or No.



Yes / No

Explain how you know.

2003A KS2 Q21



.....  
.....  
.....



2002A KS2 Q24

Which is larger,  $\frac{1}{3}$  or  $\frac{2}{5}$ ?



Explain how you know.




.....  
.....  
.....  
.....  
.....



Put a tick (✓) in **each row** to complete this table.

One has been done for you.

2001A KS2 Q8




	greater than $\frac{1}{2}$	less than $\frac{1}{2}$
0.9	✓	
0.06		
$\frac{11}{20}$		
0.21		



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

2001A KS2 Q19


$$\frac{\square}{10}$$

$$\frac{\square}{15}$$

$$\frac{12}{\square}$$