Hello again Year 6,

Today I am looking out of my window and it is pouring with rain! I hope it stops later, so I can drag my children out for a walk once their lessons have finished for the day.

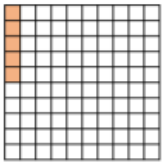
Last week we were looking at decimals, this week we are going to look at percentages.

There will be skills we developed, when looking at decimals, that we can use in our work on percentages.

Jan 14-11:35

Most importantly 'percentage' means 'per cent', the number of parts per 100.

This is the percentage symbol %

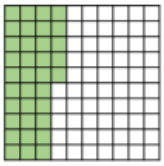


In this 100 square, 5 squares per hundred are shaded.

That is the same as saying 5% of the squares are shaded.

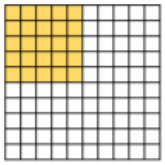
Jan 14-11:40

Complete these sentences.



___ squares per hundred are shaded.

That is the same as _____ %.

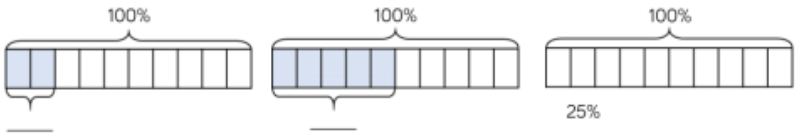


___ squares per hundred are shaded.

That is the same as _____ %.

Jan 14-11:44

Complete the bar models.



Tip: If the whole bar is 100%,
then you will need to work out
how much each segment is worth.
There are ten segments.
So, what is 100 divided by 10.

Jan 14-11:50

Mo, Annie and Tommy all did a test with 100 questions. Tommy got 6 fewer questions correct than Mo.

Name	Score	Percentage
Mo	56 out of 100	
Annie		65%
Tommy		

Complete the table.

Jan 14-11:52

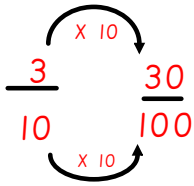
Converting fractions to percentages

This will use some of the skills we used last week when we converted fractions to decimals.

As percentages are per 100, if we can turn a fraction into an equivalent number of hundredths, then it is easy to convert that into a percentage.

Jan 14-11:53

Example:



$\frac{30}{100}$ means 30 per 100.

So 30%

Step 1
Convert to hundredths

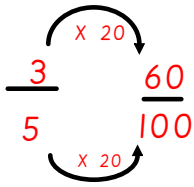
(What have we done to get from 10 to 100? We have X 10).

Whatever we do to the denominator, we must do to the numerator.

Step 2
Convert hundredths to a %

Jan 14-11:56

Example:



$\frac{60}{100}$ means 60 per 100.

So 60%

Step 1
Convert to hundredths

(What have we done to get from 5 to 100? We have X 20).

Whatever we do to the denominator, we must do to the numerator.

Step 2
Convert hundredths to a %

Jan 14-11:56

Can you convert these fractions to percentages?

Remember to convert to hundredths first!

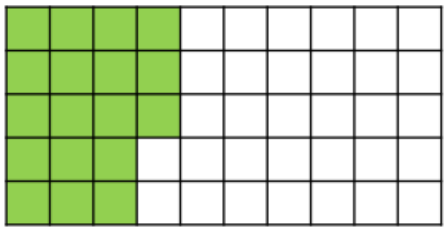
$\frac{14}{50} = \frac{\quad}{100} = \%$

$\frac{1}{4} = \frac{\quad}{100} = \%$

$\frac{15}{20} = \frac{\quad}{100} = \%$

$\frac{\quad}{50} = \frac{40}{100} = \%$

Jan 14-12:02



Amir thinks that 18% of the grid has been shaded.

Dora thinks that 36% of the grid has been shaded.

Who do you agree with?

Explain your reasoning.

Jan 14-12:08

In a Maths test, Tommy answered 62% of the questions correctly.

Rosie answered $\frac{3}{5}$ of the questions correctly.

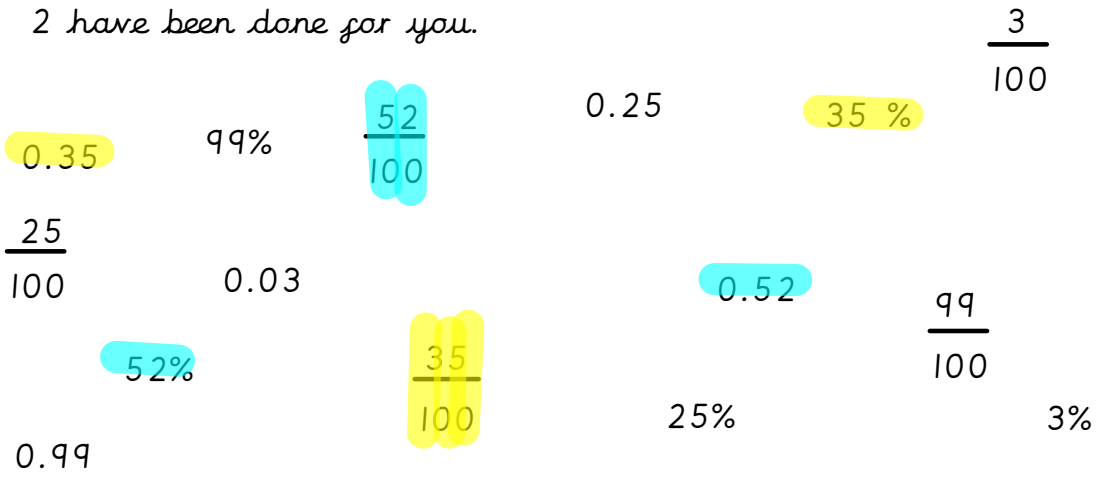
Who answered more questions correctly?

Explain your answer.

Jan 14-12:09

Colour the Fraction, Decimal and Percentage that match.

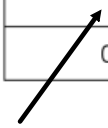
2 have been done for you.



Jan 14-12:11

Complete the table.

Decimal	Fraction	Percentage
0.35	$\frac{35}{100}$	35%
0.27		
0.6		
0.06		



For this one,

remember $0.6 = \frac{6}{10} = \frac{?}{100}$

Jan 14-13:12

Use <, > or = to complete the statements.

0.36 ◯ 40%

$\frac{7}{10}$ ◯ 0.07

0.4 ◯ 25%

0.4 ◯ $\frac{1}{4}$

Tip: It might be easier to compare when they are both decimals, both fractions or both %. So you may need to do some converting before you decide which symbol you nee.

Jan 14-13:13

See if you can work your way through the examples and questions.

If you have a way of uploading your work, then you can email it to UKS2parents@epcollier.reading.sch.uk

If you can put in the subject bar your name and work for Mrs Yeandle - I should be able to access it!

If you discuss this work, but don't write it - please can you send an email to tell me that you have discussed it with someone at home.

If you are not able to do this but can print off your work, then it would be great to see it when you return to school.

Thank you Year 6,

From Mrs Yeandle

Jan 14-13:17