

To be able to convert fractions to percentages

**MathShed**

**Starter:**  
Which one doesn't belong?

$\frac{1}{4}$

50%

$\frac{100}{200}$


0.5


Explain your answer.


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
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**Activity 1:**  
Convert the shaded area into a fraction over 100, then into a percentage.


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


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


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


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

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**Activity 2:**  
Complete the table, writing fractions in their simplest forms:

percentage	fraction
10%	$\frac{1}{10}$
50%	
	$\frac{1}{4}$
	$\frac{1}{5}$
75%	
40%	
	$\frac{3}{10}$

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**Activity 3:**  
Fill in the blanks below.

$\frac{26}{100} = \quad \%$

$\frac{\quad}{100} = 59\%$

$\frac{80}{200} = \frac{\quad}{100} = \quad \%$

$\frac{43}{50} = \frac{\quad}{100} = \quad \%$

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**Activity 4:**  
Solve the word problems below.

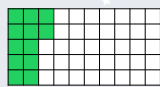
a) Ruth and Jamal are comparing how much battery life their phones have. Ruth's phone has 55% battery life remaining; Jamal's phone is half charged. Whose phone has more battery life?

b) James and Yasmin took part in a spelling competition. James got three quarters of the spellings correct; Yasmin got 75% correct. James says, "I got more spellings correct." Do you agree? Explain your answer.

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**Activity 5:**  
Look at the diagram.



Ahmed says, "12% of the diagram is green."  
Chen says, "24% of the diagram is green."

Who do you agree with?  
Explain your answer.

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Evaluation:



If one fraction has a greater numerator than another fraction, it will be greater as a percentage.

Is Astrobee's statement always, sometimes or never true?  
Explain your answer.