Slide 1

To be able to convert fractions to percentages

MathShed

Starter:
Which one doesn't belong?

$\dfrac{1}{4}$ 50% $\dfrac{100}{200}$ 0.5

Explain your answer.

Slide 2

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

$\dfrac{}{100}$ = $\boxed{}$ %

$\dfrac{}{100}$ = $\boxed{}$ %

$\dfrac{}{100}$ = $\boxed{}$ %

$\dfrac{}{100}$ = $\boxed{}$ %

Slide 3

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

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

Slide 4

To be able to convert fractions to percentages

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Activity 3:
Fill in the blanks below.

$\dfrac{26}{100}$ = $\boxed{}$ %

$\dfrac{}{100}$ = 59%

$\dfrac{80}{200}$ = $\dfrac{}{100}$ = $\boxed{}$ %

$\dfrac{43}{50}$ = $\dfrac{}{100}$ = $\boxed{}$ %

Slide 5

To be able to convert fractions to percentages

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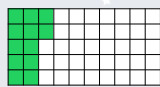**Activity 4:**
Solve the word problems below.

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.

Slide 6

To be able to convert fractions to percentages

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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.