

Worksheet 3

Finding Percentages

- 1 This table shows the number of male animals at a farm.

Animal	Total number	Number of males
Cow	150	45
Sheep	300	120
Goat	250	30

- (a) What percentage of the cows are male?

30%

- (b) What percentage of the sheep are male?

40%

- (c) What percentage of the goats are male?

12%

2 Which bag has the greatest percentage of round buttons?



Contains:
172 round buttons
128 square buttons
100 other shapes



Contains:
63 round buttons
8 square buttons
4 other shapes



Contains:
96 round buttons
29 square buttons
35 other shapes

Bag A: % of the buttons are round.

Bag B: % of the buttons are round.

Bag C: % of the buttons are round.

3 Write each of the following as a percentage.

(a) $\frac{150}{200} =$

(b) $\frac{72}{180} =$

(c) $\frac{90}{375} =$

Teddy says,



To convert a fraction to a percentage, you just need to put a percent sign next to the numerator.

Is Teddy correct? Explain your answer.

At a cinema, $\frac{4}{10}$ of the audience are adults.

The rest of the audience is made up of boys and girls.

There are twice as many girls as boys.

What percentage of the audience are girls?

Teddy says,



To convert a fraction to a percentage, you just need to put a percent sign next to the numerator.

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What percentage of the audience are girls?

Teddy is incorrect, this only works when the denominator is 100 because percent means parts per hundred.

60% are children, so 40% are girls and 20% boys.

Children may use a bar model to represent this problem.