Per Cent Means Per 100!

Write % as fractions and decimals



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Have you seen % before?

Where have you seen the % sign before?

A. Battery or download bar

B. Shop price label

C. Sports or game score

D. I have not seen it



Vote with your hands, then explain why.

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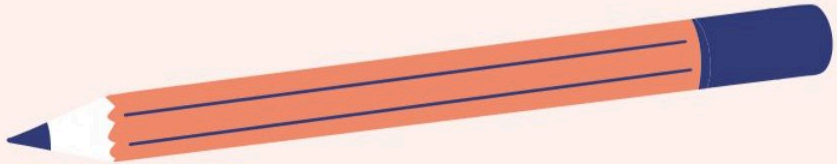
Same size, different sign

9%

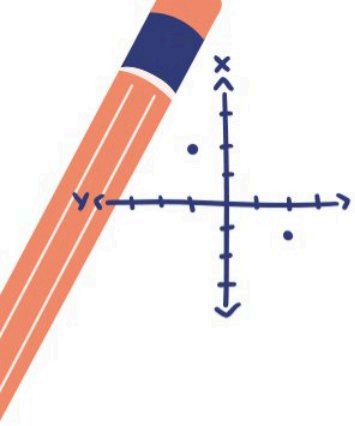
- Means 9 parts per 100
- Uses the per cent symbol %

9/100

- Means 9 parts per 100
- Uses a fraction line



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From words to numbers

per cent means per 100 → 23% means 23 parts per 100 → 23% = 23/100 → 23/100 = 0.23

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Think, pair, share

A grid has 100 small squares. 63 are coloured. What is the per cent, fraction and decimal coloured?



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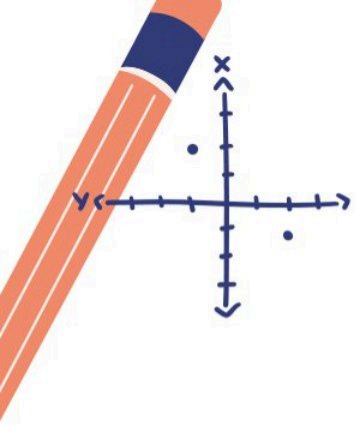
Per cent means per 100



▶ 0:00 – 2:28

- Watch for what per cent means
- Count how many parts make one whole

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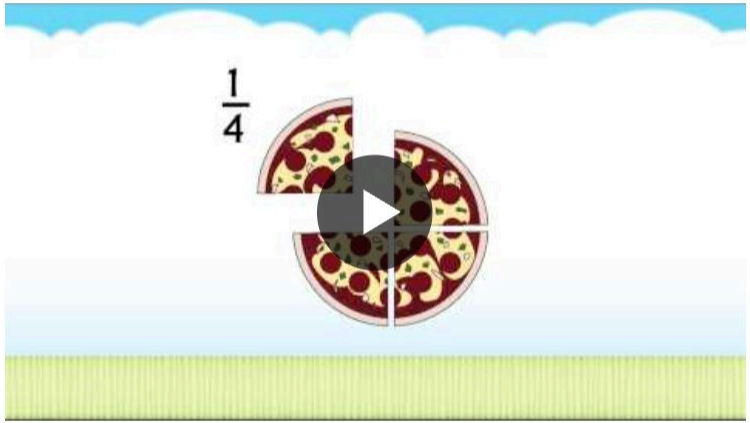


BIG IDEA

Per cent is just counting how many parts per 100.

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% , fractions and decimals together



▶ 0:00 – 4:03

- Spot how % becomes /100
- Spot how /100 becomes 0 point something

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Your task

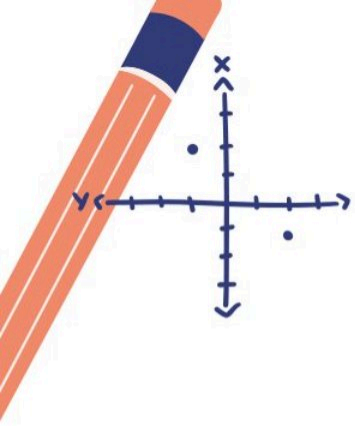
Make four 100-squares on squared paper and show a percentage three ways.

1. Shade squares for 4%, 25%, 50% and 81%
2. For each, write % , fraction over 100, decimal
3. Check with partner: does 25% = 25/100 = 0.25?

12 min

In pairs

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One amount, three ways

◐

50%

Equals 50/100 and 0.50, half of the whole.

◑

25%

Equals 25/100 and 0.25, a quarter of the whole.

▦

10%

Equals 10/100 and 0.10, ten parts per hundred.

■

1%

Equals 1/100 and 0.01, just one part per hundred.

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What could this be?

A tablet shows 87% charged. What does 87% tell us?



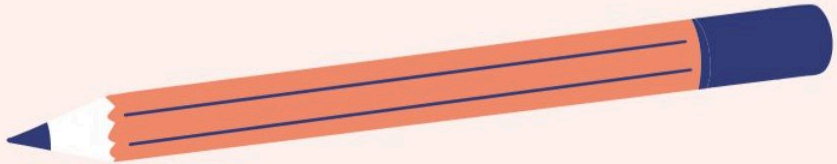


Exit ticket

1. Write 23% as a fraction over 100 and as a decimal

2. One thing I learnt today...

3. One question I still have...



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