GCSE MATHS · PERCENTAGES

Blurt it

Step 1

Name _____ **Date** _____

1. Cover your notes and put your phone face down.
2. Set a timer for 5 minutes.
3. Write down everything you remember about percentages: methods, key words, examples, and mistakes to avoid. Diagrams count too.

Stuck? Start with one of these: multiplier · original amount · compound

When the timer ends, turn over and check what you remembered.

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Check it, fix it, space it

Steps 2, 3 and 4

Check it

Tick each idea you wrote down, even in your own words.

- [ ] Percent means “out of 100”: switch between percentages, decimals and fractions
- [ ] Find a percentage of an amount without a calculator, building it from 10%, 5% and 1%
- [ ] Turn a percentage into a decimal multiplier (divide by 100)
- [ ] Increase by a percentage: multiply by more than 1 (100% plus the increase)
- [ ] Decrease by a percentage: multiply by less than 1 (100% minus the decrease)
- [ ] Write one amount as a percentage of another: part ÷ whole × 100
- [ ] Percentage change = change ÷ original amount × 100
- [ ] Reverse percentages: divide by the multiplier to get back to the original
- [ ] Simple interest: the same amount is added every year
- [ ] Compound interest, growth and decay: multiplier to the power of the number of years
- [ ] Changes one after another multiply together: they do not just add up
- [ ] A rise from 20% to 30% is 10 percentage points, but a 50% increase

Key words to use: percentage · multiplier · increase · decrease · compound · principal · depreciation original amount · reverse percentage

I remembered _____ out of 12.

Fix it

Pick 3 ideas you missed. Look them up, then write each one correctly.

1

2

3

Space it

Blurt again on a fresh sheet. Gaps help you remember for longer.

Tomorrow

Date _____

Score _____ / 12

In 3 days

Date _____

Score _____ / 12

In a week

Date _____

Score _____ / 12

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