ASPIRE TO POWER LEARNING

Year 7 | Number

Percentages and comparisons

Learn and practise | Free preview

A sample from this topic. The complete topic collection contains three different resources and worked solutions.

Read the explanation and worked example. Show your working; use a calculator only where asked.

What you will practise

• Find percentages of quantities and express comparisons as percentages.

• Explain a method and check the reasonableness of a result.

Useful starting skills: Use the prerequisite operations and representations shown in the worked example.

A percentage means an amount per hundred. To find p% of an amount, multiply by p/100. Useful benchmark percentages include 10%, 25% and 50%.

To express one quantity as a percentage of another, divide the part by the chosen whole and multiply by 100. Identify the whole before calculating.

Worked example

What percentage of 80 is 28?

Part/whole = 28/80 = 0.35.

0.35 × 100 = 35.

Answer: 35%

Try it yourself

Name: _____ Date: _____

1. Find 15% of 240.

2. Find 35% of 60.

Answers and explanations

Check the method as well as the final answer. An alternative correct method is also valid.

1. 36

10% is 24 and 5% is 12.

2. 21

0.35 × 60.

Curriculum reference: VC2M7N07

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