Year 6 | Number

Fractions, decimals and percentages of amounts

Learn and practise | Free preview

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

Show your thinking using words, working or a labelled drawing. Use the explanations and example first.

What you will practise

• Fractions, decimals and percentages of amounts

• Explain and check an answer with an appropriate representation.

Useful starting skills: Use objects, drawings or a number line to explain a simple idea.

To find a fraction of an amount, divide by the denominator and multiply by the numerator. A decimal or percentage can be used as a multiplier for the same proportional calculation.

Use familiar benchmarks such as one-half, one-quarter, 10% and 1% to estimate and calculate. In a discount problem, distinguish the amount saved from the price remaining.

Worked example

Find the price after 20% off A$75.

10% is A$7.50, so 20% is A$15.

Subtract the discount:75-15=60.

Answer: A$60

Try it yourself

Name: _____ Date: _____

1. Find 3/4 of 48.

2. Find 0.35 of 200.

Answers and explanations

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

1. 36

One quarter is $48 \div 4 = 12$; three quarters are $3 \times 12 = 36$.

2. 70

$0.35 = 35/100$; $200 \div 100 \times 35 = 70$.

Curriculum reference: VC2M6N07; VC2M6N08

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