Four operations and equivalent equations

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

• Four operations and equivalent equations

• Explain and check an answer with an appropriate representation.

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

Choose addition, subtraction, multiplication or division to match the relationship in a problem. Estimate the size first, then select an efficient method.

An equation states that two expressions have the same value. Use inverse operations to find a missing value and substitute your answer back into the original equation.

Worked example

Find x when $x+145=320$.

Undo addition by subtracting 145 from 320.

$320-145=175$; check $175+145=320$.

Answer: 175

Try it yourself

Name: _____ Date: _____

1. Calculate 248+167. Choose an efficient mental or written strategy.

2. Calculate 704-286. Choose an efficient mental or written strategy.

Answers and explanations

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

1. 415

The result is 415. Use place-value partitioning or a known fact; check with the inverse operation.

2. 418

The result is 418. Use place-value partitioning or a known fact; check with the inverse operation.

Curriculum reference: VC2M4N06; VC2M4A01

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