Year 7 | Number

Adding and subtracting integers

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

• Use order and directed movement to add and subtract integers.

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

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

Positive movement on a number line goes right; negative movement goes left. Adding a negative number decreases the starting value.

Subtracting a number reverses its effect. Thus 4 - (-3) = 4 + 3. Compare integers by their position, not just by their distance from zero.

Worked example

Calculate -6 - (-9).

Subtracting -9 is adding 9.

-6 + 9 = 3.

Answer: 3

Try it yourself

Name: _____ Date: _____

1. Calculate -8 + 13.

2. Calculate 7 - 12.

Answers and explanations

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

1. 5

Move 13 places right from -8.

2. -5

Move 12 places left from 7.

Curriculum reference: VC2M7N08

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