Angles as turns and right-angle benchmarks

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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

• Angles as turns and right-angle benchmarks

• Explain and check an answer with an appropriate representation.

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

An angle measures a turn between two rays with a common vertex. The lengths of the drawn rays do not determine the angle’s size.

A right angle is a quarter-turn. A straight angle is a half-turn, and a full revolution returns to the starting direction. Use these benchmarks before measuring or calculating.

Worked example

How do you recognise a right angle?

Use a square paper corner as a benchmark.

Match the vertex and one ray; the other ray matches the second edge for a right angle.

Answer: A quarter-turn, or 90°.

Try it yourself

Name: _____ Date: _____

1. Compare this angle with a right angle.



2. Compare this angle with a right angle.



Answers and explanations

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

1. smaller than a right angle

Align one side and the vertex with a square corner; compare the opening, not the ray lengths.

2. equal to a right angle

Align one side and the vertex with a square corner; compare the opening, not the ray lengths.

Curriculum reference: VC2M3M05

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