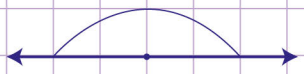
Name: ..... Class: .....

Angles of 90°, 180°, 270°, and 360°

What is the measurement of this angle?



What is the measurement of this angle?

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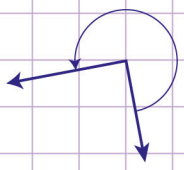
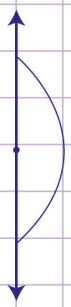
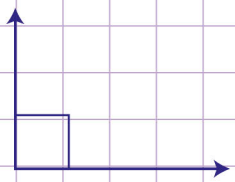


Find the fraction of a turn of this angle?



Find the fraction of a turn of this angle



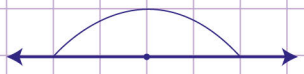
Solution

mathskills4kids

Name: ..... Class: .....

Angles of 90°, 180°, 270°, and 360°

What is the measurement of this angle?



Let's first of all identify the type of angle

This is a straight angle.

A straight angle measures 180°

So, the measurement of this angle is 180°

What is the measurement of this angle?

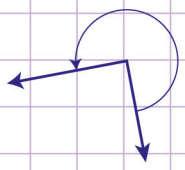
Let's first of all identify the type of angle

This is a right angle triangle

A right angle triangle measures 90°

So, the measurement of this angle is 90°

What is the measurement of this angle?



Let's first of all identify the type of angle

This is a reflex angle.

A reflex angle measures more than 180°

So, the measurement of this angle is more than 180°

Find the fraction of a turn of this angle?

Let's first of all identify the type of angle

This is a straight angle.

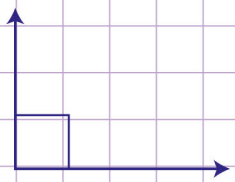
A straight angle measures 180°

Now, find the number of turns

$\frac{180°}{360°} = \frac{1 \times 180}{2 \times 180} = \frac{1}{2}$ turn

So, this angle is $\frac{1}{2}$ turn

Find the fraction of a turn of this angle



Let's first of all identify the type of angle

This is a right angle triangle

A right angle triangle measures 90°

Now find the number of turns

$\frac{90°}{360°} = \frac{1 \times 90}{4 \times 90} = \frac{1}{4}$

So, this angle is $\frac{1}{4}$ turn