# The Right Angle

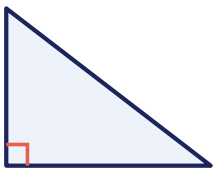
MathApex

Name: _____ Date: _____

Watch video

**From the video** A rectangle has 4 right angles, this triangle **1**

## 1 Now it's your turn!



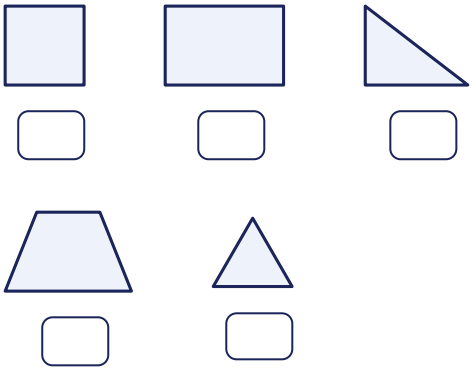
How many right angles does this triangle have?

A right angle fits exactly into the corner of a sheet of paper. Check with a set square.

☐ **right angles**

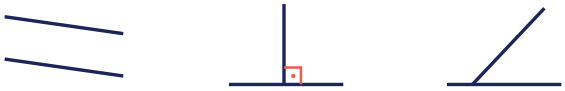
## 2 Right angles.

Mark every right angle with a dot. How many are there?



## 3 Parallel or perpendicular?

Write under each picture: parallel, perpendicular or neither.



_____ _____ _____

## 4 Quarter turns.

| Turns | 1 | 2 | 3 | 4 |
|---|---|---|---|---|
| Degrees | 90° | ☐ | ☐ | ☐ |

A half turn is ☐ **quarter turns**

## 5 Think backwards.

**270° is** ☐ **quarter turns**

**180° is** ☐ **quarter turns**

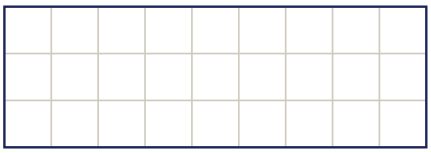
## Brain teaser

The minute hand of a clock points at the 12 and turns to the 6. How many quarter turns is that, and how many degrees?

_____

_____

## 6 Draw with a set square.



a) On the left, draw a right angle.
b) On the right, draw two parallel lines 2 cm apart.
c) Draw a line that is perpendicular to one of the two.

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MATH STORY 59 · ANSWERS

# The Right Angle

Watch video

## 1 Now it's your turn!

**1 right angle**

The bottom left corner.

## 2 Right angles.

square: 4
rectangle: 4
right-angled triangle: 1
trapezoid: 0
equilateral triangle: 0

## 3 Parallel or perpendicular?

parallel  perpendicular  neither

## 4 Quarter turns.

1 → 90°  2 → 180°  3 → 270°  4 → 360°

A half turn = 2 quarter turns = 180°.

## 5 Think backwards.

270° = 3 quarter turns
180° = 2 quarter turns

## ★ Brain teaser

**2 quarter turns = 180°**

## 6 Drawing.

Check with a set square: the right angle fits exactly into the corner, parallel lines are the same distance apart everywhere.

**For parents and teachers:** This worksheet goes with the video "The Right Angle" (Math Story 59, Grade 4). Right angles, parallel and perpendicular lines, and turns in quarter turns (90°). The set square is the most important tool.

More Math Stories with video and worksheet: **www.mathapex.app/en/math-stories/**