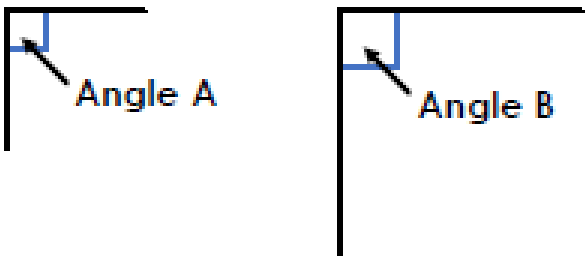
Explain the Mistake



Angle A is a smaller right angle than angle B

Explore

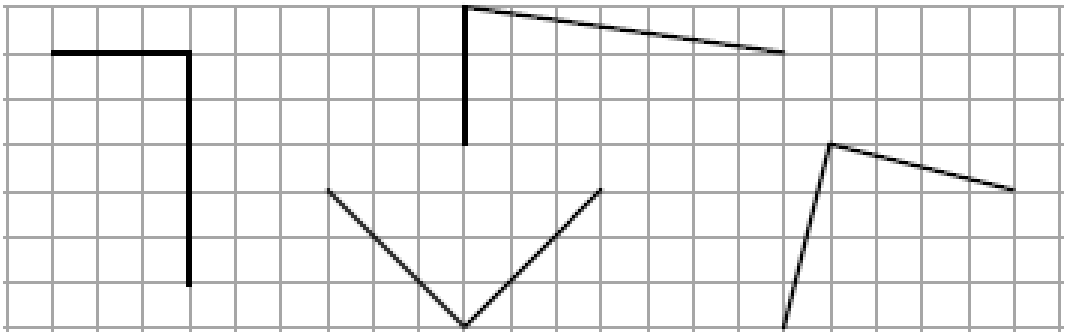
Create or find different examples of right-angles.

Ideas:

Use a pair of scissors
Use a compass
Give directions
Use a clock
Do a turn
Find them around you

Read the Pictures

For each angle, **is it a right angle?**



Explain

My shape has four right angles.

It must be… because…

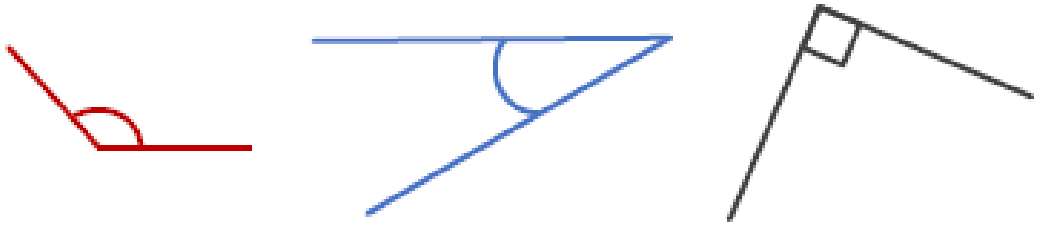
It can't be… because…

Useful words:

Triangle *Quadrilateral* *Rectangle* *Pentagon*
Equal length sides *Parallel* *Perpendicular*

Read the Pictures

Order the angles from smallest to largest:



Geometry, page 128:

Explain the Mistake: The size of an angle is about the amount of turn between the lines, not the length of the lines.

Explore: Children to create lots of examples of right angles. Encourage examples where the lines used are not displayed parallel/perpendicular to our sight, for example the corner of a piece of paper that is rotated.

Read the Pictures: The only non-right angle is the top middle example.

Explain: Example answer: t must be a rectangle, therefore it has at least two pairs of parallel lines and four pairs of perpendicular lines. It cannot be a triangle or a pentagon.

Geometry, page 129:

Read the Pictures: Smallest to largest: blue, black, red. Note the misconception of judging the angle size by the length of the lines.

Geometry, page 128:

Explain the Mistake: The size of an angle is about the amount of turn between the lines, not the length of the lines.

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Geometry, page 129:

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