Special Right Triangles Foldables
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Instructions
Print or copy page 3 and 4 double sided.
Print or copy page 6 and 7 double sided.
Place each paper so the examples are face down.
Cut along the dotted lines to create flaps.
Glue the foldables into notes or on a piece of construction paper.
Go through the foldables with your students.
Rule

A right triangle whose angle measures are 30° - 60° - 90° is called a special right triangle.

Examples

Find the missing sides in each special right triangle.

1) 2) 3) 4) 5)

Word Problems

4) A television is measured by its diagonal. What is the size of the television?

5) How far from the base of the building is the car?
Rule

A right triangle whose angle measures are 30°- 60°- 90° is called a special right triangle.

Examples

Find the missing sides in each special right triangle.

1)  
2)  
3)  
4)  How far from the base of the building is the car?

4) A television is measured by its diagonal. What is the size of the television?

5) How far from the base of the building is the car?
Preview

Rule

Examples

Word Problems
A right triangle whose angle measures are $45^\circ - 45^\circ - 90^\circ$ is called a special right triangle.

**Examples**

Find the missing sides in each special right triangle.

1) 

2) 

3) 

4) 

5) The perimeter of a square is 28 cm. What is the length of the diagonal?
Rule

A right triangle whose angle measures are $45^\circ$ - $45^\circ$ - $90^\circ$ is called a special right triangle.

Examples

Find the missing sides in each special right triangle.

1) $\frac{5}{2}$

2) $rac{8}{2}$

3) 12

4) The perimeter of a square is 28 cm. What is the length of the diagonal?

5) The distance between 1st and 3rd base is 90 feet. 2nd base is 70 feet.

5) What is the length of the diagonal?

$7\sqrt{2}$ cm