



Classical geometry

PRACTICE WORKSHEET

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Name: _____ Date: _____

Show your working in the blank space or on separate paper. Sketch labelled rods/beads when asked to represent a number.

- 1 A right triangle has perpendicular sides 12 and 8.
Find its area.

- 2 A right triangle has perpendicular sides 14 and 3.
Find its area.

- 3 A right triangle has perpendicular sides 10 and 4.
Find its area.

- 4 A right triangle has perpendicular sides 24 and 5.
Find its area.

- 5 A right triangle has perpendicular sides 20 and 12.
Find its area.

- 6 A right triangle has perpendicular sides 16 and 3.
Find its area.

- 7 A right triangle has perpendicular sides 12 and 4.
Find its area.

- 8 A right triangle has perpendicular sides 8 and 11.
Find its area.

- 9 A right triangle has perpendicular sides 14 and 12.
Find its area.

- 10 A right triangle has perpendicular sides 10 and 3.
Find its area.

- 11 A right triangle has perpendicular sides 24 and 10.
Find its area.

- 12 A right triangle has perpendicular sides 20 and 11.
Find its area.

Practise interactively and explore the method:

<https://goofergames.com/math/world/classical-geometry>



ANSWER KEY

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Use after completing the practice page. Values are generated by the page's shared engine.

Equivalent exact representations are valid where the prompt allows them. Non-integer results are rounded to two decimals.

1 Answer: 48

The diagonal halves the rectangle: 48 square units.

2 Answer: 21

The diagonal halves the rectangle: 21 square units.

3 Answer: 20

The diagonal halves the rectangle: 20 square units.

4 Answer: 60

The diagonal halves the rectangle: 60 square units.

5 Answer: 120

The diagonal halves the rectangle: 120 square units.

6 Answer: 24

The diagonal halves the rectangle: 24 square units.

7 Answer: 24

The diagonal halves the rectangle: 24 square units.

8 Answer: 44

The diagonal halves the rectangle: 44 square units.

9 Answer: 84

The diagonal halves the rectangle: 84 square units.

10 Answer: 15

The diagonal halves the rectangle: 15 square units.

11 Answer: 120

The diagonal halves the rectangle: 120 square units.

12 Answer: 110

The diagonal halves the rectangle: 110 square units.

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