

Grade 4 Measurement And Geometry Challenge Worksheet Set 024

Grade 4 · Measurement And Geometry · Challenge

Name: _____ Date: _____

Convert measurement units and use angle, area, and perimeter relationships. Label every numerical answer with the requested unit.

1. Convert 19 kilometers to meters.

Answer: _____

2. Find the area of a rectangle 9 units long and 4 units wide.

Answer: _____

3. Find the perimeter of a rectangle 17 units long and 10 units wide.

Answer: _____

4. Classify an angle that measures 149° as acute, right, or obtuse.

Answer: _____

5. A rectangle has area 75 square units and one side is 15 units. Find the other side.

Answer: _____

6. A rectangle has perimeter 40 units and one side is 8 units. Find the other side.

Answer: _____

7. A straight angle is split into angles of 100° and an unknown measure. Find the unknown measure.

Answer: _____

8. Two nonoverlapping rectangles have dimensions 6 by 2 units and 4 by 4 units. Find their total area.

Answer: _____

9. A rectangular garden is 15 m by 10 m. A 4 m gate needs no fence. How many meters of fence are needed?

Answer: _____

10. How many centimeters longer is 8 m than 147 cm?

Answer: _____

11. Convert 10 kilograms to grams.

Answer: _____

12. Find the area of a rectangle 18 units long and 8 units wide.

Answer: _____

13. Find the perimeter of a rectangle 14 units long and 5 units wide.

Answer: _____

14. Classify an angle that measures 152° as acute, right, or obtuse.

Answer: _____

15. A rectangle has area 15 square units and one side is 3 units. Find the other side.

Answer: _____

16. A rectangle has perimeter 34 units and one side is 7 units. Find the other side.

Answer: _____

17. A right angle is split into angles of 38° and an unknown measure. Find the unknown measure.

Answer: _____

18. Two nonoverlapping rectangles have dimensions 10 by 3 units and 5 by 6 units. Find their total area.

Answer: _____

19. A rectangular garden is 21 m by 12 m. A 5 m gate needs no fence. How many meters of fence are needed?

Answer: _____

20. How many centimeters longer is 3 m than 252 cm?

Answer: _____

21. Convert 7 meters to centimeters.

Answer: _____

22. Find the area of a rectangle 18 units long and 3 units wide.

Answer: _____

23. Find the perimeter of a rectangle 14 units long and 10 units wide.

Answer: _____

24. Classify an angle that measures 90° as acute, right, or obtuse.

Answer: _____

Answer Key

Answers for all 24 questions

1. 19000 meters	2. 36 square units
3. 54 units	4. obtuse
5. 5 units	6. 12 units
7. 80°	8. 28 square units
9. 46 m	10. 653 cm
11. 10000 grams	12. 144 square units
13. 38 units	14. obtuse
15. 5 units	16. 10 units
17. 52°	18. 60 square units
19. 61 m	20. 48 cm
21. 700 centimeters	22. 54 square units
23. 48 units	24. right