

Grade 4 Measurement And Geometry Challenge Worksheet Set 030

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 25 kilometers to meters.

Answer: _____

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

Answer: _____

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

Answer: _____

4. Classify an angle that measures 133° as acute, right, or obtuse.

Answer: _____

5. A rectangle has area 30 square units and one side is 3 units. Find the other side.

Answer: _____

6. A rectangle has perimeter 42 units and one side is 14 units. Find the other side.

Answer: _____

7. A right angle is split into angles of 52° and an unknown measure. Find the unknown measure.

Answer: _____

8. Two nonoverlapping rectangles have dimensions 8 by 8 units and 8 by 3 units. Find their total area.

Answer: _____

9. A rectangular garden is 13 m by 6 m. A 4 m gate needs no fence. How many meters of fence are needed?

Answer: _____

10. How many centimeters longer is 2 m than 61 cm?

Answer: _____

11. Convert 22 liters to milliliters.

Answer: _____

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

Answer: _____

13. Find the perimeter of a rectangle 12 units long and 8 units wide.

Answer: _____

14. Classify an angle that measures 170° as acute, right, or obtuse.

Answer: _____

15. A rectangle has area 18 square units and one side is 9 units. Find the other side.

Answer: _____

16. A rectangle has perimeter 48 units and one side is 15 units. Find the other side.

Answer: _____

17. A straight angle is split into angles of 58° and an unknown measure. Find the unknown measure.

Answer: _____

18. Two nonoverlapping rectangles have dimensions 5 by 6 units and 5 by 4 units. Find their total area.

Answer: _____

19. A rectangular garden is 9 m by 9 m. A 3 m gate needs no fence. How many meters of fence are needed?

Answer: _____

20. How many centimeters longer is 5 m than 247 cm?

Answer: _____

21. Convert 12 hours to minutes.

Answer: _____

22. Find the area of a rectangle 10 units long and 2 units wide.

Answer: _____

23. Find the perimeter of a rectangle 10 units long and 5 units wide.

Answer: _____

24. Classify an angle that measures 20° as acute, right, or obtuse.

Answer: _____

Answer Key

Answers for all 24 questions

1. 25000 meters	2. 96 square units
3. 36 units	4. obtuse
5. 10 units	6. 7 units
7. 38°	8. 88 square units
9. 34 m	10. 139 cm
11. 22000 milliliters	12. 96 square units
13. 40 units	14. obtuse
15. 2 units	16. 9 units
17. 122°	18. 50 square units
19. 33 m	20. 253 cm
21. 720 minutes	22. 20 square units
23. 30 units	24. acute