

Grade 4 Measurement And Geometry Challenge Worksheet Set 027

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 15 hours to minutes.

Answer: _____

2. Find the area of a rectangle 4 units long and 14 units wide.

Answer: _____

3. Find the perimeter of a rectangle 14 units long and 6 units wide.

Answer: _____

4. Classify an angle that measures 53° as acute, right, or obtuse.

Answer: _____

5. A rectangle has area 165 square units and one side is 15 units. Find the other side.

Answer: _____

6. A rectangle has perimeter 28 units and one side is 4 units. Find the other side.

Answer: _____

7. A straight angle is split into angles of 67° and an unknown measure. Find the unknown measure.

Answer: _____

8. Two nonoverlapping rectangles have dimensions 5 by 3 units and 10 by 8 units. Find their total area.

Answer: _____

9. A rectangular garden is 12 m by 5 m. A 2 m gate needs no fence. How many meters of fence are needed?

Answer: _____

10. How many centimeters longer is 9 m than 635 cm?

Answer: _____

11. Convert 5 liters to milliliters.

Answer: _____

12. Find the area of a rectangle 11 units long and 4 units wide.

Answer: _____

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

Answer: _____

14. Classify an angle that measures 35° as acute, right, or obtuse.

Answer: _____

15. A rectangle has area 16 square units and one side is 4 units. Find the other side.

Answer: _____

16. A rectangle has perimeter 52 units and one side is 15 units. Find the other side.

Answer: _____

17. A straight angle is split into angles of 70° and an unknown measure. Find the unknown measure.

Answer: _____

18. Two nonoverlapping rectangles have dimensions 7 by 9 units and 9 by 5 units. Find their total area.

Answer: _____

19. A rectangular garden is 11 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 2 m than 160 cm?

Answer: _____

21. Convert 8 centimeters to millimeters.

Answer: _____

22. Find the area of a rectangle 11 units long and 2 units wide.

Answer: _____

23. Find the perimeter of a rectangle 16 units long and 8 units wide.

Answer: _____

24. Classify an angle that measures 103° as acute, right, or obtuse.

Answer: _____

Answer Key

Answers for all 24 questions

1. 900 minutes	2. 56 square units
3. 40 units	4. acute
5. 11 units	6. 10 units
7. 113°	8. 95 square units
9. 32 m	10. 265 cm
11. 5000 milliliters	12. 44 square units
13. 54 units	14. acute
15. 4 units	16. 11 units
17. 110°	18. 108 square units
19. 37 m	20. 40 cm
21. 80 millimeters	22. 22 square units
23. 48 units	24. obtuse