

Grade 4 Measurement And Geometry Challenge Worksheet Set 018

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 20 liters to milliliters.

Answer: _____

2. Find the area of a rectangle 9 units long and 14 units wide.

Answer: _____

3. Find the perimeter of a rectangle 9 units long and 13 units wide.

Answer: _____

4. Classify an angle that measures 69° as acute, right, or obtuse.

Answer: _____

5. A rectangle has area 20 square units and one side is 5 units. Find the other side.

Answer: _____

6. A rectangle has perimeter 36 units and one side is 9 units. Find the other side.

Answer: _____

7. A right angle is split into angles of 50° and an unknown measure. Find the unknown measure.

Answer: _____

8. Two nonoverlapping rectangles have dimensions 10 by 4 units and 3 by 6 units. Find their total area.

Answer: _____

9. A rectangular garden is 24 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 384 cm?

Answer: _____

11. Convert 31 centimeters to millimeters.

Answer: _____

12. Find the area of a rectangle 5 units long and 6 units wide.

Answer: _____

13. Find the perimeter of a rectangle 17 units long and 12 units wide.

Answer: _____

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

Answer: _____

15. A rectangle has area 60 square units and one side is 12 units. Find the other side.

Answer: _____

16. A rectangle has perimeter 28 units and one side is 11 units. Find the other side.

Answer: _____

17. A straight angle is split into angles of 84° and an unknown measure. Find the unknown measure.

Answer: _____

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

Answer: _____

19. A rectangular garden is 10 m by 15 m. A 2 m gate needs no fence. How many meters of fence are needed?

Answer: _____

20. How many centimeters longer is 11 m than 953 cm?

Answer: _____

21. Convert 38 hours to minutes.

Answer: _____

22. Find the area of a rectangle 4 units long and 3 units wide.

Answer: _____

23. Find the perimeter of a rectangle 9 units long and 2 units wide.

Answer: _____

24. Classify an angle that measures 168° as acute, right, or obtuse.

Answer: _____

Answer Key

Answers for all 24 questions

1. 20000 milliliters	2. 126 square units
3. 44 units	4. acute
5. 4 units	6. 9 units
7. 40°	8. 58 square units
9. 64 m	10. 416 cm
11. 310 millimeters	12. 30 square units
13. 58 units	14. right
15. 5 units	16. 3 units
17. 96°	18. 74 square units
19. 48 m	20. 147 cm
21. 2280 minutes	22. 12 square units
23. 22 units	24. obtuse