

Grade 4 Measurement And Geometry Challenge Worksheet Set 033

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 22 centimeters to millimeters.

Answer: _____

2. Find the area of a rectangle 6 units long and 2 units wide.

Answer: _____

3. Find the perimeter of a rectangle 15 units long and 8 units wide.

Answer: _____

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

Answer: _____

5. A rectangle has area 24 square units and one side is 4 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 30° and an unknown measure. Find the unknown measure.

Answer: _____

8. Two nonoverlapping rectangles have dimensions 6 by 2 units and 5 by 2 units. Find their total area.

Answer: _____

9. A rectangular garden is 11 m by 9 m. A 3 m gate needs no fence. How many meters of fence are needed?

Answer: _____

10. How many centimeters longer is 12 m than 505 cm?

Answer: _____

11. Convert 3 liters to milliliters.

Answer: _____

12. Find the area of a rectangle 3 units long and 11 units wide.

Answer: _____

13. Find the perimeter of a rectangle 16 units long and 7 units wide.

Answer: _____

14. Classify an angle that measures 139° as acute, right, or obtuse.

Answer: _____

15. A rectangle has area 56 square units and one side is 8 units. Find the other side.

Answer: _____

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

Answer: _____

17. A straight angle is split into angles of 54° and an unknown measure. Find the unknown measure.

Answer: _____

18. Two nonoverlapping rectangles have dimensions 5 by 2 units and 10 by 2 units. Find their total area.

Answer: _____

19. A rectangular garden is 14 m by 11 m. A 4 m gate needs no fence. How many meters of fence are needed?

Answer: _____

20. How many centimeters longer is 2 m than 74 cm?

Answer: _____

21. Convert 39 centimeters to millimeters.

Answer: _____

22. Find the area of a rectangle 6 units long and 8 units wide.

Answer: _____

23. Find the perimeter of a rectangle 16 units long and 5 units wide.

Answer: _____

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

Answer: _____

Answer Key

Answers for all 24 questions

1. 220 millimeters	2. 12 square units
3. 46 units	4. right
5. 6 units	6. 7 units
7. 60°	8. 22 square units
9. 37 m	10. 695 cm
11. 3000 milliliters	12. 33 square units
13. 46 units	14. obtuse
15. 7 units	16. 9 units
17. 126°	18. 30 square units
19. 46 m	20. 126 cm
21. 390 millimeters	22. 48 square units
23. 42 units	24. obtuse