

Grade 4 Measurement And Geometry Challenge Worksheet Set 021

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 39 meters to centimeters.

Answer: _____

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

Answer: _____

3. Find the perimeter of a rectangle 16 units long and 12 units wide.

Answer: _____

4. Classify an angle that measures 79° as acute, right, or obtuse.

Answer: _____

5. A rectangle has area 80 square units and one side is 8 units. Find the other side.

Answer: _____

6. A rectangle has perimeter 24 units and one side is 5 units. Find the other side.

Answer: _____

7. A straight angle is split into angles of 156° and an unknown measure. Find the unknown measure.

Answer: _____

8. Two nonoverlapping rectangles have dimensions 11 by 3 units and 9 by 7 units. Find their total area.

Answer: _____

9. A rectangular garden is 17 m by 12 m. A 4 m gate needs no fence. How many meters of fence are needed?

Answer: _____

10. How many centimeters longer is 11 m than 501 cm?

Answer: _____

11. Convert 26 centimeters to millimeters.

Answer: _____

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

Answer: _____

13. Find the perimeter of a rectangle 5 units long and 2 units wide.

Answer: _____

14. Classify an angle that measures 47° as acute, right, or obtuse.

Answer: _____

15. A rectangle has area 84 square units and one side is 14 units. Find the other side.

Answer: _____

16. A rectangle has perimeter 34 units and one side is 13 units. Find the other side.

Answer: _____

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

Answer: _____

18. Two nonoverlapping rectangles have dimensions 10 by 5 units and 4 by 7 units. Find their total area.

Answer: _____

19. A rectangular garden is 9 m by 8 m. A 2 m gate needs no fence. How many meters of fence are needed?

Answer: _____

20. How many centimeters longer is 8 m than 450 cm?

Answer: _____

21. Convert 14 meters to centimeters.

Answer: _____

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

Answer: _____

23. Find the perimeter of a rectangle 5 units long and 7 units wide.

Answer: _____

24. Classify an angle that measures 119° as acute, right, or obtuse.

Answer: _____

Answer Key

Answers for all 24 questions

1. 3900 centimeters	2. 36 square units
3. 56 units	4. acute
5. 10 units	6. 7 units
7. 24°	8. 96 square units
9. 54 m	10. 599 cm
11. 260 millimeters	12. 204 square units
13. 14 units	14. acute
15. 6 units	16. 4 units
17. 20°	18. 78 square units
19. 32 m	20. 350 cm
21. 1400 centimeters	22. 182 square units
23. 24 units	24. obtuse