Using A&P Formulas to Find Missing Dimensions Experienced

Use the GED formula sheet and your calculator to find each answer algebraically.

1. The area of a triangle is 68 in^2. If the height of the triangle is 8 inches, find the length of the base.

2. The area of a square is 78 cm^2. What is the side length, to the nearest thousandth, of the square?

3. The area of a circle is 42 ft^2. Find the radius, to the nearest tenth, of the circle.

4. Another circle has an area of 114 cm^2. Find the diameter, to the nearest centimeter, of the circle.

5. A circle has an area of 49π square meters. Find the radius of the circle.

6. Another circle has an area of 625π mm^2. What is the diameter of the circle?

7. A rectangle has a perimeter of 54 inches. Its width is 12 inches, find the length of the rectangle.

8. Another rectangle has a length of 16 ½ inches and a perimeter of 80 inches. Find its length.

9. An isosceles triangle has legs of 6 inches each and a perimeter of 17 inches. What is the length of the base?

10. An equilateral triangle has a perimeter of 24 inches. What is the measure of each side of the triangle?

11. The circumference of a circle is 20 feet. Find the radius of the circle, to the nearest tenth.

17. The area of a square is 56 square yards. What is the perimeter, to the nearest tenth, of the square?

12. A circle has a circumference of 52 mm. What is the diameter, to the nearest hundredth, of the circle?

18. The area of a certain rectangle is 412 in^2. Its width is 40 inches. Find the perimeter of the rectangle.

13. Another circle has a circumference of 42π inches. Find its radius.

19. Another rectangle has a length of 7 cm and a perimeter of 25 cm. Find the area of the rectangle.

14. The circumference of a circle is 17π meters. What is the diameter of the circle?

20. A certain circle has a circumference of 16π inches. Find the area, in terms of pi, of the circle.

15. The area of a square is 100 square inches. Find the perimeter of the square.

21. Another circle has an area of 12.5 in^2. Find its circumference, to the nearest tenth.

16. The perimeter of a square is 57 cm. Find the area of the square.

ANSWERS: 1) 17 in   2) 8.832 cm   3) 3.7 ft   4) 12 cm   5) 7 cm   6) 50 mm   7) 15 in   8) $23\frac{1}{2}$ in   9) 5 in   10) 8 in   11) 3.2 ft   12) 16.56 mm   13) 21 in   14) 17 m   15) 40 in   16) 203.0625 cm²   17) 29.9 yd   18) 100.6 in   19) 38.5 cm²   20) 64π in   21) 12.5 in