

Proficiency Practice

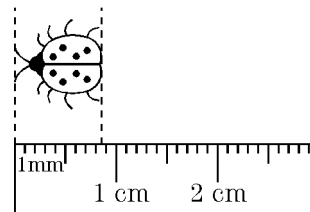
Measurement

1. Chris wants to measure the size of her kitchen. Which of the following would be the *most* appropriate unit of measure to use?

a) millimeter b) centimeter c) meter d) kilometer

2. Desmond is measuring a ladybug using a ruler marked in centimeters and millimeters. Which measurement shows the appropriate level of precision?

a) 8 mm b) 8.5 mm c) 8.52 mm d) 8.520 mm



3. Which is another way of writing 3.21 km?

a) 0.00321 cm b) 0.0321 cm c) 0.00321 m d) 3210 m

4. How many ounces are in 5 lbs 3 oz?

a) 77 b) 80 c) 83 d) 96

5. In planning to buy food for a group, a 6 ounce steak is a good portion as part of a full meal. How much steak must be bought for a group of 14 people?

a) 5 lbs b) $5\frac{1}{4}$ lbs c) 5 lbs 8 oz d) 6 lbs

6. A package of 50 hamburgers is bought for a picnic. If each hamburger weighs $\frac{1}{4}$ pound, then what is the weight of the entire package?

a) 10 lbs 10 oz b) 12 lbs 5 oz c) 12 lbs 8 oz d) 200 lbs

7. A bathtub measures 72 inches long, 30 inches wide, and 24 inches deep. If each cubic foot of water is equal to about $7\frac{1}{2}$ gallons, how many gallons of water will fit in the tub?

a) $162\frac{1}{2}$ gallons b) 225 gallons c) $384\frac{1}{2}$ gallons d) 400 gallons

15. Problem:

“During football practice, the coach had the team run around the perimeter of the practice field 4 times. Then each team member had to do push-ups.”

What other information is needed to determine how far the team ran?

- a) The perimeter of the field
 - b) The number of players on the team
 - c) The number of push-ups each player had to do
 - d) The age of each player
16. Susan is going to paint the walls of her guest bedroom. The floor measures 11 feet by 15.5 feet. One can of paint will cover 125 square feet of space. What additional information is necessary to determine how many cans of paint Susan will need?
- a) the volume of one can of paint
 - b) the height of the room
 - c) how many people will help Susan paint
 - d) the size of the entire house
17. Ms. McCloud wants to build a rectangular pen for her pet pot-bellied pig. How many feet of fencing material will she need to build a pen that measures 12 feet by 15 feet?
- a) 17 ft
 - b) 45 ft
 - c) 54 ft
 - d) 180 ft
18. A bird flies for 4 hours at an average rate of 6 miles per hour. How far has the bird traveled?
- a) 10 miles
 - b) 0.67 miles
 - c) 1.5 miles
 - d) 24 miles
19. The carpet Jan likes costs \$20.00 per square yard. What would it cost her to cover the floor of a room that is 18 feet long and 15 feet wide?
- a) \$540.00
 - b) \$600.00
 - c) \$1,800.00
 - d) \$5,400.00
20. One gallon of paint covers approximately 400 square feet. Ruben needs to paint all four walls of a room that are 5 yards long, 4 yards wide, and 3 yards high. About how many gallons will he need?
- a) 1 gallons
 - b) 2 gallons
 - c) 4 gallons
 - d) 5 gallons

Answer List

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|-------|-------|-------|
| 1. c | 2. b | 3. d |
| 4. c | 5. b | 6. c |
| 7. b | 8. c | 9. b |
| 10. a | 11. c | 12. c |
| 13. a | 14. c | 15. a |
| 16. b | 17. c | 18. d |
| 19. b | 20. b | |

Catalog List

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|----------------|----------------|---------------|
| 1. NC5 CD 19 | 2. NC5 CD 1 | 3. OH1 BC 88 |
| 4. OH1 BC 60 | 5. OH1 BC 71 | 6. OH1 BC 72 |
| 7. NV1 HA 25 | 8. NC3 JC 17 | 9. CA1 BG 1 |
| 10. CA1 BG 16 | 11. CA1 BG 20 | 12. CA1 BG 42 |
| 13. CA1 CO 8 | 14. CA1 CO 10 | 15. CA1 BK 29 |
| 16. CA1 BK 22 | 17. NV1 MB 4 | 18. NV1 MC 6 |
| 19. CA1 BH 105 | 20. CA1 BH 109 | |