

4.MD.1 — Measurement Conversions Word Problems

Word Problems • Grade 4 • CCSS 4.MD.1

Name: _____

Date: _____

Read each word problem carefully, convert the measurements, and write your answer with the correct unit.

1. Maria has a ribbon that is 3 yards long. She needs to cut it into pieces measured in feet. How many feet long is Maria's ribbon?

2. A farmer has a fence that is 5 miles long. He wants to know the length in feet. How many feet long is the fence? (1 mile = 5,280 feet)

3. Jake filled a large container with 4 gallons of water for his science project. How many quarts of water does Jake have?

4. A baby elephant at the zoo weighs 2 tons. The zookeeper needs to record the weight in pounds. How many pounds does the baby elephant weigh?

5. Grandma's apple pie recipe takes 2 hours to bake. How many minutes will the pie bake in total?

6. The school hallway is 8 yards long. The principal wants to know the length in feet. How many feet long is the hallway?

7. A juice factory produces 6 gallons of orange juice each morning. How many cups of orange juice does the factory produce each morning? (1 gallon = 16 cups)

8. A rope used for tug-of-war is 15 feet long. How many inches long is the rope?

9. A sack of potatoes weighs 7 pounds. How many ounces does the sack of potatoes weigh?

10. The Smiths went on a road trip that lasted 3 days. How many hours did their road trip last?

11. A swimming pool holds 9 gallons of water. How many pints of water does the pool hold? (1 gallon = 8 pints)

12. A carpenter has a wooden board that is 4 feet long. He needs to measure it in inches. How many inches long is the wooden board?

13. A bag of dog food weighs 3 pounds. How many ounces of dog food are in the bag?

14. A relay race track is 2 miles long. How many yards long is the relay race track? (1 mile = 1,760 yards)

15. Lisa poured 5 quarts of lemonade into cups for the class party. How many pints of lemonade did Lisa have?

16. A movie is 2 hours and 30 minutes long. How many minutes long is the movie in total?

17. A truck is carrying a load that weighs 3 tons. The weigh station needs the weight in pounds. How many pounds is the load?

18. The park has a walking trail that is 4 miles long. How many feet long is the walking trail? (1 mile = 5,280 feet)
19. A fish tank holds 8 quarts of water. How many cups of water does the fish tank hold? (1 quart = 4 cups)
20. A tree in the schoolyard is 6 yards tall. How many feet tall is the tree?
21. Coach Davis runs 3 miles every morning for training. How many yards does Coach Davis run each morning? (1 mile = 1,760 yards)
22. A recipe calls for 2 pounds of flour. How many ounces of flour does the recipe require?

Answer Key

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| 1. 9 feet | 9. 112 ounces | 17. 6,000 pounds |
| 2. 26,400 feet | 10. 72 hours | 18. 21,120 feet |
| 3. 16 quarts | 11. 72 pints | 19. 32 cups |
| 4. 4,000 pounds | 12. 48 inches | 20. 18 feet |
| 5. 120 minutes | 13. 48 ounces | 21. 5,280 yards |
| 6. 24 feet | 14. 3,520 yards | 22. 32 ounces |
| 7. 96 cups | 15. 10 pints | |
| 8. 180 inches | 16. 150 minutes | |