

4.OA.2 — Multiplicative Comparison Word Problems

Word Problems • Grade 4 • CCSS 4.OA.2

Name: _____

Date: _____

Read each word problem carefully, then multiply or divide to find the answer.

1. A sunflower in Maya's garden is 6 feet tall. Her rosebush is 3 times as tall as her tulip. If the tulip is 2 feet tall, how tall is the rosebush?

2. Jake collected 5 rocks. His older brother collected 4 times as many rocks as Jake. How many rocks did Jake's brother collect?

3. A blue ribbon is 8 inches long. A red ribbon is 3 times as long as the blue ribbon. How long is the red ribbon?

4. Sara has 36 stickers. She has 9 times as many stickers as her little sister. How many stickers does her little sister have?

5. A tiger weighs 48 pounds. It weighs 6 times as much as a fox. How much does the fox weigh?

6. Tom read 7 books over the summer. His teacher read 5 times as many books as Tom. How many books did his teacher read?

7. A small fish tank holds 9 gallons of water. A large tank holds 4 times as much water. How many gallons does the large tank hold?

8. A bakery made 56 muffins on Saturday. That was 7 times as many muffins as it made on Sunday. How many muffins did the bakery make on Sunday?

9. Lucy scored 8 points in a game. Her friend scored 6 times as many points as Lucy. How many points did her friend score?

10. A farmer planted 63 seeds in a field. He planted 9 times as many seeds as his neighbor. How many seeds did the neighbor plant?

11. A cheetah ran 45 miles in a day. It ran 5 times as far as a deer. How far did the deer run?

12. A yellow pencil is 4 inches long. A green pencil is 8 times as long as the yellow pencil. How long is the green pencil?

13. Marco saved \$54. He saved 6 times as much money as his cousin. How much money did his cousin save?

14. A school library has 72 fiction books. That is 8 times as many fiction books as nonfiction books. How many nonfiction books does the library have?

15. Emma's cat weighs 6 pounds. Her dog weighs 7 times as much as her cat. How much does her dog weigh?

16. A store sold 9 hats on Monday. On Friday it sold 6 times as many hats as on Monday. How many hats did the store sell on Friday?

17. A pine tree is 40 feet tall. It is 8 times as tall as a small shrub. How tall is the shrub?

18. Kenji has 7 trading cards. His classmate has 9 times as many trading cards as Kenji. How many trading cards does his classmate have?
19. A swimming pool holds 64 buckets of water. That is 8 times as many buckets as a small wading pool can hold. How many buckets can the wading pool hold?
20. A recipe uses 3 cups of flour. Another recipe uses 6 times as much flour. How many cups of flour does the second recipe use?
21. A running trail is 56 meters long. It is 7 times as long as the school hallway. How long is the school hallway?
22. Sophie picked 8 apples from the tree. Her dad picked 5 times as many apples as Sophie. How many apples did her dad pick?

Answer Key

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|---------------|------------------------|----------------------|
| 1. 6 feet | 9. 48 points | 17. 5 feet |
| 2. 20 rocks | 10. 7 seeds | 18. 63 trading cards |
| 3. 24 inches | 11. 9 miles | 19. 8 buckets |
| 4. 4 stickers | 12. 32 inches | 20. 18 cups |
| 5. 8 pounds | 13. \$9 | 21. 8 meters |
| 6. 35 books | 14. 9 nonfiction books | 22. 40 apples |
| 7. 36 gallons | 15. 42 pounds | |
| 8. 8 muffins | 16. 54 hats | |