



GRADE 4 / WATCH MR DJ SOLVE

MULTIPLICATIVE COMPARISON

Start with the same example used in the lesson slides.

**WATCH MR DJ SOLVE****Tan has 4 cards. Digit has 3 times as many. Draw equal bars and find Digit's number.**

- 1** One bar represents 4 cards.
- 2** 3 bars: $3 \times 4 = 12$.
- 3** Digit has 12 cards.

Answer: **12****REMEMBER** Name the amount that represents one copy, then count equal copies.

Read each step and explain why it is valid. The next pages demonstrate the methods in more detail. Then use the large work areas on the numbered practice pages.



GRADE 4 / WORKED METHODS

MULTIPLICATIVE COMPARISON

Read a complete example before trying the matching method.



Use these examples as a reference. Keep each quantity and its unit visible. A different valid method is welcome unless a question specifically requests one.

Compare with equal bars

3 times as many as 4 is 12

1. One bar = 4 cards.
2. Three equal bars: $4 + 4 + 4 = 12$.
3. $3 \times 4 = 12$, so Digit has 12 cards.

3 copies of 4



$$3 \times 4 = 12$$

GRADE 4 / WORKED METHODS

MULTIPLICATIVE COMPARISON

Read a complete example before trying the matching method.



Use these examples as a reference. Keep each quantity and its unit visible. A different valid method is welcome unless a question specifically requests one.

Find the unknown comparison unit**20 is 5 times 4**

1. Draw 5 equal bars totaling 20.
2. Each bar is $20 \div 5 = 4$.
3. Check $5 \times 4 = 20$.



GRADE 4 / PRACTICE

MULTIPLICATIVE COMPARISON

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

- ◀ Mild 1. Blaze has 12 stickers, 3 times Tan's number. How many does Tan have? Draw equal groups.

Grid area for drawing equal groups.

My answer / conclusion: _____

- ◀ Mild 2. A ribbon is 4 cm long. Another is 12 cm long. How many times as long is the second?

Grid area for drawing equal groups.

My answer / conclusion: _____



GRADE 4 / PRACTICE

MULTIPLICATIVE COMPARISON

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

🔊 Medium

3. Compare “4 more than 4” and “4 times as many as 4.” Draw and find both.

Grid area for problem 3.

My answer / conclusion: _____

🔊 Medium

4. Pi walks 4 km. Blaze walks 3 times as far. How many MORE kilometers does Blaze walk?

Grid area for problem 4.

My answer / conclusion: _____



GRADE 4 / PRACTICE

MULTIPLICATIVE COMPARISON

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

🔊 Medium

5. Two boxes hold 4 and 20 beads. Write a multiplication comparison and a division check.

Grid for working space.

My answer / conclusion: _____

🔊 Spicy

6. A child interprets “3 times as many as 4” as $4+3$. Explain and correct it.

Grid for working space.

My answer / conclusion: _____



GRADE 4 / PRACTICE

MULTIPLICATIVE COMPARISON

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

🔥🔥🔥 Spicy

7. If A has twice B's amount, and B has three times C's amount, compare A and C. Use bars.

My answer / conclusion: _____

GRADE 4 / PRACTICE

MULTIPLICATIVE COMPARISON

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

Extra Spicy

8. Can “2 more than a positive whole number” and “2 times that number” give the same result? Explain.

My answer / conclusion: _____