

Lesson: Multiplicative Comparisons

Practice Set: Translate a multiplication equation to a verbal statement

Question 1:

Translate the multiplication equation:

$$35 = 5 \times 7$$

Check all that are true.

- 5 is 7 times as many as 35
- 35 is 7 times as many as 5
- 35 is 5 times as many as 7
- 7 is 5 times as many as 35
- 5 is 35 times as many as 7

Question 2:

Translate the multiplication equation:

$$24 = 4 \times 6$$

Check all that are true.

- 24 is 4 times as many as 6
- 6 is 24 times as many as 4
- 6 is 4 times as many as 24
- 4 is 6 times as many as 24
- 24 is 6 times as many as 4

Question 3:

Translate the multiplication equation:

$$22 = 2 \times 11$$

Check all that are true.

- 2 is 11 times as many as 22
- 11 is 22 times as many as 2
- 2 is 22 times as many as 11
- 22 is 11 times as many as 2
- 22 is 2 times as many as 11

Question 4:

Translate the multiplication equation:

$$30 = 3 \times 10$$

Check all that are true.

- 3 is 10 times as many as 30
- 10 is 3 times as many as 30
- 3 is 30 times as many as 10
- 30 is 3 times as many as 10
- 30 is 10 times as many as 3

Question 5:

Translate the multiplication equation:

$$15 = 3 \times 5$$

Check all that are true.

- 3 is 15 times as many as 5
- 15 is 5 times as many as 3
- 3 is 5 times as many as 15
- 15 is 3 times as many as 5
- 5 is 15 times as many as 3

Practice Set: Write multiplication equations**Question 1:**

If **20** plums are packed **5** to a bag, then write a multiplication equation to represent finding how many bags are needed?

- $5 = 20 \cdot b$
- $20 = b \cdot 5$
- $b = 5 \cdot 20$

Question 2:

Mary is saving up money to go on a trip. This month, she saved **three** times as much money as she saved last month. Last month, she saved **\$24.00**. Write a multiplication equation to represent finding how much money Mary saved this month?

- $m = (24)(3)$
- $3 = (m)(24)$
- $24 = (3)(m)$

Question 3:

If **18** plums are shared equally into **3** bags, then write a multiplication equation to represent finding how many plums are in each bag.

- $18 = 3 \cdot p$
- $p = 18 \cdot 3$
- $3 = p \cdot 18$

Question 4:

A student grew two plants for the science fair. The first plant was **8** centimeters tall. The second plant was **three** times as tall. Write a multiplication equation to represent finding the height of the second plant.

- $h = (8)(3)$
- $3 = (h)(8)$
- $8 = (3)(h)$

Question 5:

A rabbit can go **2** feet in one jump. A kangaroo can go **five** times as far as a rabbit. Write a multiplication equation to represent finding how far a kangaroo goes in one jump.

- $5 = (k)(2)$
- $k = (2)(5)$
- $2 = (5)(k)$

Practice Set: Solve multiplicative comparison word problems**Question 1:**

The shortest living man on Earth is **21** inches tall. The tallest living woman on Earth is approximately **4 times** taller than the shortest man. How tall is the tallest living woman on Earth?

inches

Question 2:

The apartment rents for **3 times** as much as it did 10 years ago. The apartment was **\$270** per month 10 years ago. How much does the apartment cost now?

\$ per month

Question 3:

A student could run **2** miles. After extensive training, the student could run **five times** as far as she could before the training. How far can the student run now?

miles

Question 4:

Amanda has **4** books about reptiles and **12** books about mammals. How many **times** more books does Amanda have about mammals than about reptiles?

times more books

Question 5:

The long climbing rope is **100** feet long. The long climbing rope is **ten times** longer than the shorter safety rope. How many feet of rope is the shorter safety rope?

feet

Correct Answers

Lesson: Multiplicative Comparisons

Practice Set: Translate a multiplication equation to a verbal statement

Question 1:

MC2 | MC3

Question 2:

MC1 | MC5

Question 3:

MC4 | MC5

Question 4:

MC4 | MC5

Question 5:

MC2 | MC4

Practice Set: Write multiplication equations

Question 1:

MC2

Question 2:

MC1

Question 3:

MC1

Question 4:

MC1

Question 5:

MC2

Practice Set: Solve multiplicative comparison word problems

Question 1:

84

Question 2:

810

Question 3:

10

Question 4:

3

Question 5:

10