Name _____ Date _____

Multiplication Equations as Comparisons: Reading and Writing Times as Many

Directions: A multiplication equation can compare two amounts. Read each equation and each sentence slowly, one number at a time.

1. Which sentence says the same thing as the equation $24 = 4 \times 6$?

A. 24 is 4 times as many as 6.
B. 6 is 4 times as many as 24.
C. 24 is 4 more than 6.
D. 4 is 6 times as many as 24.

2. In the equation $32 = 4 \times 8$, the number 32 is 4 times as many as one other number in the equation. Type that number.

_____

3. Which equation shows that 42 is 6 times as large as 7?

A. $6 = 42 \times 7$
B. $7 = 6 \times 42$
C. $42 = 6 \times 7$
D. $42 = 6 + 7$

4. The equation $45 = 5 \times 9$ can be read as two comparisons. Finish both comparisons with a number.

45 is 5 times as many as _____, and 45 is 9 times as many as _____.

5. $60 = 5 \times 12$, so 60 is ? times as great as 5. What number replaces the question mark?

_____

6. Imani has 5 stickers. Diego has 3 times as many stickers as Imani. The letter d stands for Diego's stickers. Which equation shows the comparison?

A. $d = 3 \times 5$
B. $5 = 3 \times d$
C. $d = 3 + 5$
D. $d = 5 - 3$

7. A puppy weighs 9 pounds. The equation $36 = 4 \times 9$ compares a grown dog's weight with the puppy's weight. The grown dog's weight is how many times the puppy's weight?

_____

8. The sentence "3 times as much as 11 is 33" matches the equation $3 \times ? = 33$. What number completes the equation?

_____

9. A bean plant is 2 feet tall. A sunflower is 4 times as tall as the bean plant, so its height in feet is $s = 4 \times 2$. How many feet taller is the sunflower than the bean plant?

_____ feet