Write the expressions for the following:

EXAMPLE: 5 more than a number

\[ N + 5 \]

1. 15 less than a number

2. 3 times a number

3. A number divided by 8

4. Let K be the amount that Karen earns. Lexi earns five times as much as Karen. Write an expression for the amount that Lexi earns.

Suppose Karen earned $45. How much did Lexi earn?

Lexi earned ______________________

Formulas: Use what you are given. Plug what you are given into the formula.

5. Find the distance (d) traveled by a truck moving at a rate (r) of 80 mph for the time (t) of 7 h using the formula \( d = rt \).

Plug the known numbers into the formula: ________________________________

Answer: ______________________
6. Find the area (A) of a triangle with a base (b) of 2 ft, and a height (h) of 6 in. using the formula \( A = \frac{1}{2} bh \).

Plug in the known numbers into the formula: ________________________________________
Answer: __________________________

**Decimal Places:** Write the correct value or place value on the line.

7. What is the place value of the 8 in the number 490,987,097,654,543
   a. Ten thousands
   b. Ten millions
   c. Ten billions

8. What is the value of the number 9 in the number 7,950,123
   a. Thousands
   b. Ten thousands
   c. Hundred thousands

**Comparing Fractions:** Use <, >, or = to compare the fractions. First find a common denominator. Then compare the fractions. Draw a picture of both fractions.

9. \( \frac{1}{2} \) \( \frac{3}{6} \)

10. \( \frac{3}{4} \) \( \frac{6}{8} \)

11. \( \frac{4}{9} \) \( \frac{2}{3} \)
Find the total: Solve each of the following problems. Remember to use clues!

Of means multiply, is means equals. When you are finding how much you should tip, you multiply the percent that you would like to tip times the total bill. Then add the tip and the total cost of your food to get the final bill.

Example: total bill= $20
Total tip if I gave 18%= 20 times .18 or 20 times 18% = $3.60
Total altogether= total bill+ tip = 20 + 3.60= $23.60

12. 15% of what number is 30?

13. total bill= $35
Total tip if giving 18%= _______
Total altogether= _______

14. 20% of what number is 50?

15. total bill= $55
Total tip if giving 18%= _______
Total altogether= _______