Name: _____

7th Grade Weekly Math Review Week 35

Solve each problem. Show your work.

1. $\frac{1}{5} \div \frac{5}{8} =$ _____

2. $\frac{3}{10} \div \frac{3}{4} =$ _____

3. $8(x - 6) =$ _____

4. On a map, 1 cm represents 25 km. Two cities are 7.5 cm apart on the map. How far apart are they?

   Answer: _____

5. $2x - 8 = -18 \quad x =$ _____

6. A fair 6-sided number cube is rolled. What is the probability of rolling a number less than 5?

   Answer: _____

7. $12 \times 4 =$ _____

8. $9x + 4 = 49 \quad x =$ _____

9. In a random sample of 100 students, 26 prefer pizza for lunch. There are 500 students in the school. Predict how many prefer pizza.

   Answer: _____

10. In a random sample of 80 students, 29 prefer pizza for lunch. There are 500 students in the school. Predict how many prefer pizza.

    Answer: _____

11. In a random sample of 40 students, 14 prefer pizza for lunch. There are 1200 students in the school. Predict how many prefer pizza.

    Answer: _____

12. In a random sample of 60 students, 27 prefer pizza for lunch. There are 1000 students in the school. Predict how many prefer pizza.

    Answer: _____

Name: **ANSWER KEY**

7th Grade Weekly Math Review Week 35

Solve each problem. Show your work.

1. $\frac{1}{5} \div \frac{5}{8} =$ $\frac{8}{25}$

2. $\frac{3}{10} \div \frac{3}{4} =$ $\frac{2}{5}$

3. $8(x - 6) =$ $8x - 48$

4. On a map, 1 cm represents 25 km. Two cities are 7.5 cm apart on the map. How far apart are they?

   Answer: 187.5 km

5. $2x - 8 = -18 \quad x =$ -5

6. A fair 6-sided number cube is rolled. What is the probability of rolling a number less than 5?

   Answer: $\frac{2}{3}$

7. $12 \times 4 =$ 48

8. $9x + 4 = 49 \quad x =$ 5

9. In a random sample of 100 students, 26 prefer pizza for lunch. There are 500 students in the school. Predict how many prefer pizza.

   Answer: 130 students

10. In a random sample of 80 students, 29 prefer pizza for lunch. There are 500 students in the school. Predict how many prefer pizza.

    Answer: about 181 students

11. In a random sample of 40 students, 14 prefer pizza for lunch. There are 1200 students in the school. Predict how many prefer pizza.

    Answer: 420 students

12. In a random sample of 60 students, 27 prefer pizza for lunch. There are 1000 students in the school. Predict how many prefer pizza.

    Answer: 450 students