

Equivalent Fractions Word Problems

1. If a recipe calls for $\frac{2}{3}$ cup of flour, how much is needed for $\frac{4}{6}$ of the recipe?

Ans: _____

2. A rectangle has an area of $\frac{3}{4}$ square meters. What is the area of an equivalent fraction with a denominator of 12?

Ans: _____

3. A pizza is divided into 8 equal slices. How many slices are equivalent to $\frac{3}{4}$ of the pizza?

Ans: _____

4. A car travels at 40 miles per hour. What is the speed in equivalent fraction form with a denominator of 8?

Ans: _____

5. If a tank is filled to $\frac{1}{5}$ of its capacity, what fraction of its capacity is left empty?

Ans: _____

6. A store gives a discount of $\frac{1}{6}$ on a product. What is the equivalent fraction that represents the discounted price?

Ans: _____

7. In a school, $\frac{3}{5}$ of the students walk to class. What is the equivalent fraction representing the fraction of students who take the bus?

Ans: _____

8. A recipe calls for $\frac{3}{4}$ teaspoon of salt. What is the equivalent fraction representing $\frac{2}{3}$ teaspoon of salt?

Ans: _____

9. A teacher spends $\frac{2}{3}$ of a class period on one topic. What fraction of the class period is left for other subjects?

Ans: _____

10. A farmer plants $\frac{1}{4}$ of a field with wheat and $\frac{1}{3}$ of the remaining with corn. What fraction of the field is unplanted?

Ans: _____

11. A box contains 20 red balls and 30 blue balls. What is the equivalent fraction representing the fraction of red balls?

Ans: _____

12. A marathon is 26 miles long. What is the equivalent fraction representing 13 miles?

Ans: _____

13. A store sells a shirt for \$15, which is $\frac{3}{5}$ of its original price. What is the original price of the shirt?

Ans: _____

14. If a container is filled to $\frac{2}{3}$ of its capacity, what is the equivalent fraction representing the fraction of the container that is empty?

Ans: _____

15. A company produced 5,000 units, which is $\frac{3}{8}$ of its annual target. What is the company's annual target?

Ans: _____

16. In a bag of marbles, $\frac{3}{4}$ are blue and $\frac{2}{5}$ are red. What fraction represents the non-blue and non-red marbles?

Ans: _____

17. A car traveled 100 miles in 2 hours. What is the equivalent fraction representing the speed in miles per hour?

Ans: _____

18. A building is occupied by $\frac{4}{5}$ of its capacity. What is the equivalent fraction representing the fraction of vacant space?

Ans: _____

19. If a pool is filled to $\frac{1}{6}$ of its capacity, what is the equivalent fraction representing the fraction of the pool that is still empty?

Ans: _____

20. In a school, $\frac{2}{3}$ of the students play a musical instrument. What is the equivalent fraction representing the fraction of students who do not play an instrument?

Ans: _____