

# Finding Fractions of Quantities

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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Calculate the fractional part of each quantity. Show your working.

## Section A: Basic Calculations

1. Find  $\frac{1}{2}$  of 48 = \_\_\_\_\_

2. Find  $\frac{1}{4}$  of 60 = \_\_\_\_\_

3. Find  $\frac{1}{3}$  of 72 = \_\_\_\_\_

4. Find  $\frac{1}{5}$  of 85 = \_\_\_\_\_

5. Find  $\frac{3}{4}$  of 120 = \_\_\_\_\_

6. Find  $\frac{2}{5}$  of 95 = \_\_\_\_\_

## Section B: Word Problems

7. A school has 360 students. If  $\frac{2}{3}$  of them play sport, how many students play sport?

\_\_\_\_\_

8. Sarah saved \$240. She spent  $\frac{3}{8}$  of her savings on a new bike. How much did the bike cost?

\_\_\_\_\_

9. A recipe calls for 450 grams of flour. If you want to make only  $\frac{2}{3}$  of the recipe, how many grams of flour do you need?

\_\_\_\_\_

10. There are 135 books in the school library's fiction section. If  $\frac{3}{5}$  of them are checked out, how many fiction books are currently checked out?

\_\_\_\_\_

## Section C: Challenge Questions

11. A water tank holds 840 litres when full. After using some water, the tank is  $\frac{5}{7}$  full. How many litres of water are in the tank now?

\_\_\_\_\_

12. James ran  $\frac{4}{5}$  of a 15 kilometre race before taking a break. How many kilometres had he run?

\_\_\_\_\_

13. A farmer has 216 sheep. She sells  $\frac{5}{12}$  of them at the market. How many sheep does she have left?

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**Tip:** To find a fraction of a quantity, divide by the denominator, then multiply by the numerator.