

Multiplying Fractions and Whole Numbers

Name: _____

Date: _____

Remember: To multiply a fraction by a whole number, multiply the numerator by the whole number and keep the denominator the same. Always simplify your answer!

Part A: Basic Multiplication

Multiply and simplify your answers.

1) $3 \times \frac{2}{5} =$ _____

2) $4 \times \frac{1}{3} =$ _____

3) $5 \times \frac{3}{10} =$ _____

4) $2 \times \frac{5}{8} =$ _____

5) $6 \times \frac{2}{3} =$ _____

6) $7 \times \frac{4}{7} =$ _____

7) $8 \times \frac{3}{4} =$ _____

8) $9 \times \frac{5}{9} =$ _____

Part B: Requires Simplification

Multiply and write your answer in simplest form.

9) $4 \times \frac{3}{8} =$ _____

10) $6 \times \frac{5}{12} =$ _____

11) $10 \times \frac{2}{5} =$ _____

12) $12 \times \frac{3}{4} =$ _____

13) $15 \times \frac{2}{9} =$ _____

14) $8 \times \frac{5}{6} =$ _____

Part C: Mixed Practice

Multiply and simplify. Write improper fractions as mixed numbers where appropriate.

15) $7 \times \frac{3}{14} =$ _____

16) $9 \times \frac{4}{6} =$ _____

17) $5 \times \frac{7}{10} =$ _____

18) $11 \times \frac{2}{11} =$ _____

Part D: Word Problems

19) A recipe calls for $\frac{2}{3}$ cup of flour. If you want to make 6 batches, how many cups of flour do you need?

Answer: _____

20) Sarah runs $\frac{3}{4}$ of a kilometre each morning. How far does she run in 8 days?

Answer: _____