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. Then simplify if possible.

Example: $3 \times \frac{2}{5} = \frac{6}{5} = 1\frac{1}{5}$

Part A: Multiply and simplify your answers

1. $4 \times \frac{1}{3}$ = _____
2. $5 \times \frac{2}{7}$ = _____
3. $3 \times \frac{3}{4}$ = _____
4. $6 \times \frac{1}{2}$ = _____
5. $2 \times \frac{5}{6}$ = _____
6. $7 \times \frac{2}{3}$ = _____
7. $8 \times \frac{3}{8}$ = _____
8. $9 \times \frac{1}{4}$ = _____

Part B: Multiply and write as a mixed number where appropriate

9. $5 \times \frac{3}{5}$ = _____
10. $4 \times \frac{5}{8}$ = _____
11. $6 \times \frac{2}{9}$ = _____
12. $3 \times \frac{7}{10}$ = _____
13. $12 \times \frac{1}{6}$ = _____
14. $10 \times \frac{3}{5}$ = _____

Part C: Word problems

15. Sarah runs $\frac{3}{4}$ of a kilometre each day. How far does she run in 5 days?

Answer: _____ km

16. A recipe calls for $\frac{2}{3}$ cup of sugar. How much sugar is needed for 6 batches?

Answer: _____ cups

17. A container holds $\frac{5}{8}$ of a litre of juice. How much juice is in 4 containers?

Answer: _____ litres

Part D: Challenge

18. $15 \times \frac{4}{9}$ = _____
19. $24 \times \frac{5}{12}$ = _____
20. $18 \times \frac{7}{6}$ = _____