

# Fraction of an Amount in Complex Contexts

Year 8 · Number · y8-frac-of-amount

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

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

Class: \_\_\_\_\_

Score: \_\_\_\_ / \_\_\_\_

## Instructions

Answer every question in Practice. Try the Challenge section once Practice is complete. 10 questions in total.

## Practice

1. What is  $\frac{3}{8}$  of 96?

2. Using the unitary method, find  $\frac{1}{7}$  of 84 first, then find  $\frac{5}{7}$  of 84.

3. What is  $\frac{2}{3}$  of  $\frac{3}{5}$ ?

4. A charity has received  $\frac{5}{9}$  of its £180 target. How much has it received?

5. After spending  $\frac{2}{5}$  of her money, Ella has £48 left. How much did she start with?

6. A recipe for 5 people uses  $\frac{2}{3}$  kg of rice. Using the unitary method, how much rice is needed for 15 people?

7. Find one unit value first: for  $\frac{5}{8}$  of 64, what is  $\frac{1}{8}$  of 64? Then what is  $\frac{5}{8}$  of 64?

8. 'Of' between two fractions means multiply, not add. What is  $\frac{1}{4}$  of  $\frac{2}{3}$ ?

## Challenge

1. What is  $\frac{2}{3}$  of  $\frac{3}{4}$  of 96?

2.  $\frac{5}{6}$  of a number is 20 more than  $\frac{1}{2}$  of the same number. What is the number?