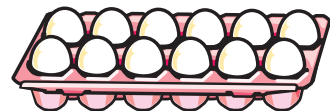


Fractions of Quantities

NCTM Standards 1, 6, 7, 8, 9

12 Eggs



The input is 12 eggs. Write the outputs (the number of eggs) in the white boxes.

1	$\frac{1}{2}$	$\frac{1}{3}$	$\frac{2}{3}$	$\frac{3}{3}$	$\frac{1}{4}$	$\frac{2}{4}$	$\frac{3}{4}$	$\frac{4}{4}$	$\frac{1}{6}$	$\frac{2}{6}$	$\frac{3}{6}$
	6	4									

$\frac{4}{6}$	$\frac{5}{6}$	$\frac{6}{6}$	$\frac{1}{12}$	$\frac{2}{12}$	$\frac{3}{12}$	$\frac{4}{12}$	$\frac{5}{12}$	$\frac{6}{12}$	$\frac{7}{12}$	$\frac{8}{12}$	$\frac{9}{12}$	$\frac{10}{12}$	$\frac{11}{12}$

$\frac{12}{12}$	$\frac{2}{2}$	$\frac{3}{2}$	$\frac{4}{3}$	$\frac{5}{4}$	$\frac{6}{4}$	$\frac{4}{2}$	$\frac{8}{6}$	$\frac{6}{2}$	$\frac{9}{6}$	$\frac{8}{4}$	$\frac{7}{3}$	$\frac{15}{12}$	$\frac{5}{2}$

Complete each sentence.

2 $\frac{1}{4}$ of 12 eggs = _____ eggs

3 $\frac{5}{6}$ of 12 eggs = _____ eggs

4 $\frac{4}{3}$ of 12 = _____

5 _____ of 12 = 9

6 _____ of 12 = 16

7 $\frac{5}{12}$ of 24 = _____

Complete each number sentence.

8 $\frac{2}{5} \times 35 = \underline{\hspace{2cm}}$

9 $\frac{5}{7} \times 56 = \underline{\hspace{2cm}}$

10 $\frac{6}{11} \times 44 = \underline{\hspace{2cm}}$

11 $\frac{3}{8} \times 96 = \underline{\hspace{2cm}}$

Complete each number sentence.

12 $\frac{1}{2} \times 10 = \underline{\hspace{2cm}}$

13 $1\frac{1}{2} \times 10 = \underline{\hspace{2cm}}$

14 $\frac{2}{3} \times 9 = \underline{\hspace{2cm}}$

15 $3\frac{2}{3} \times 9 = \underline{\hspace{2cm}}$



16 Blake bought a dozen eggs. He used $\frac{1}{3}$ of the eggs to make muffins and $\frac{1}{2}$ of eggs to make custard. How many eggs does he have left? Explain.



17 **Challenge** Complete the number sentence. Tell why your answer makes sense and explain what you did.

$\frac{3}{4} \times 1\frac{2}{3} = \underline{\hspace{2cm}}$
