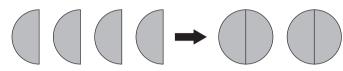
Multiplying a Fraction and a Whole Number

We can multiply a fraction and a whole number. If we get an answer that is an improper fraction, we must express the improper fraction as a whole number or a mixed number in the simplest form.

1. Multiply $\frac{1}{2}$ by 4.

$$\frac{1}{2} \times 4 = \frac{4}{2}$$
$$= 2$$



$$\frac{1}{2} \times 4 = \frac{1 \times 4}{2}$$



2. Multiply 3 by $\frac{1}{2}$.

$$3 \times \frac{1}{2} = \frac{3}{2}$$
$$= 1\frac{1}{2}$$

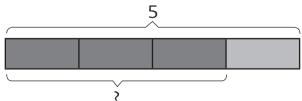


$$3 \times \frac{1}{2} = \frac{1}{2} \times 3$$



3. Multiply 5 by $\frac{3}{4}$.

$$5 \times \frac{3}{4} = \frac{15}{4}$$
$$= 3\frac{3}{4}$$



$$5 \times \frac{3}{4} = \frac{5 \times 3}{4}$$





55

Primary Mathematics (Common Core Edition) Extra Practice 4

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Fraction of a Set

This is a set of fruits. 1. What fraction of the set of fruits are mangoes?









There are 16 fruits in the set. 4 of the fruits are mangoes.

$$\frac{4}{16} = \frac{1}{4}$$

 $\frac{1}{4}$ of the fruits are mangoes.

Write $\frac{4}{16}$ in its simplest form.

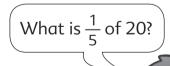


2.

5 equal parts

(a) How many apples does each child get? There are 20 apples. There are 5 children. Each child gets the same number of apples.

$$\frac{1}{5}$$
 of $20 = \frac{1}{5} \times 20 = \frac{20}{5}$
= 4



Each child gets 4 apples.

(b) What is $\frac{2}{5}$ of 20? $\frac{2}{5}$ of $20 = \frac{2}{5} \times 20 = \frac{40}{5}$

Two children get 8 apples altogether.

