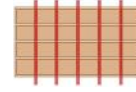# Finding Fractional Parts with Division

These 8 hearts are divided into four equal groups. Each part is $\frac{1}{4}$ (one-fourth) of the whole.

We can use division: $8 \div 4 = 2$. Each group has 2 hearts. So, $\frac{1}{4}$ of 8 hearts is <u>2 hearts</u>.

Mom divided 24 brownies into 6 equal parts. Each part is 1/6th of the whole. How many pieces are in each part?

Divide to find out: $24 \div 6 = 4$. Four pieces. So, $\frac{1}{6}$ of 24 brownies is <u>4 brownies</u>.

To find $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, $\frac{1}{5}$ *etc*. part of something, divide by 2, 3, 4, 5, *etc*. (respectively).

1. Write a division sentence and a fractional part sentence.

a.

_____ $\div$ 5 = _____

$\frac{1}{5}$ of _____ is _____.

b.

_____ $\div$ ___ = ___

$\frac{1}{3}$ of _____ is _____.

c.

_____ $\div$ ___ = ___

☐ of _____ is _____.

d.

_____ $\div$ ___ = ___

☐ of _____ is _____.

2. Write a fractional part sentence for each division sentence.

a. $30 \div 5 =$ _____

☐ of 30 is _____.

b. $48 \div 6 =$ _____

☐ of _____ is _____.

c. $25 \div 5 =$ _____

☐ of _____ is _____.

d. $50 \div 5 =$ _____

☐ of _____ is _____.

3. Find a part. Also write a division sentence.

a. $\frac{1}{6}$ of 30 is _____.

_**30**_ $\div$ _**6**_ = _**5**_

b. $\frac{1}{7}$ of 49 is _____.

_____ $\div$ ____ = _____

c. $\frac{1}{10}$ of 250 is _____.

_____ $\div$ ____ = _____

d. $\frac{1}{2}$ of 480 is _____.

_____ $\div$ ____ = _____

e. $\frac{1}{9}$ of 1,800 is _____.

_____ $\div$ ____ = _____

f. $\frac{1}{5}$ of 400 is _____.

_____ $\div$ ____ = _____