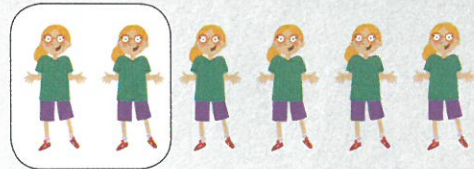


To find a unit fraction of a group divide the group by the denominator.

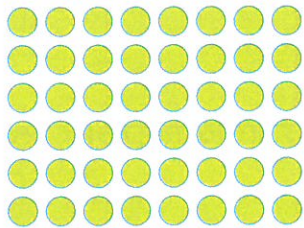
EXAMPLE To find $\frac{1}{3}$ of 6 girls, divide the 6 by 3.
The answer is 2 ($\frac{1}{3}$ of 6 = 2).



5 Find the fraction of each group.

- | | | | | |
|-------------------------------------|--------------------------------------|-------------------------------------|--------------------------------------|--------------------------------------|
| a $\frac{1}{3}$ of 12 = ____ | e $\frac{1}{6}$ of 18 = ____ | i $\frac{1}{3}$ of 27 = ____ | m $\frac{1}{12}$ of 36 = ____ | q $\frac{1}{6}$ of 60 = ____ |
| b $\frac{1}{3}$ of 24 = ____ | f $\frac{1}{3}$ of 21 = ____ | j $\frac{1}{3}$ of 60 = ____ | n $\frac{1}{6}$ of 24 = ____ | r $\frac{1}{6}$ of 54 = ____ |
| c $\frac{1}{3}$ of 18 = ____ | g $\frac{1}{6}$ of 30 = ____ | k $\frac{1}{3}$ of 15 = ____ | o $\frac{1}{3}$ of 30 = ____ | s $\frac{1}{12}$ of 72 = ____ |
| d $\frac{1}{6}$ of 12 = ____ | h $\frac{1}{12}$ of 24 = ____ | l $\frac{1}{6}$ of 36 = ____ | p $\frac{1}{12}$ of 60 = ____ | t $\frac{1}{3}$ of 90 = ____ |

6 Use the array to find these fractions of the group of 48.



- a** $\frac{1}{3}$ of 48 = _____
- b** $\frac{1}{6}$ of 48 = _____
- c** $\frac{1}{8}$ of 48 = _____
- d** $\frac{1}{4}$ of 48 = _____



$\frac{1}{2}$ of 48 = 24.

7 Extend your multiplication and division facts to find these unit fractions of large groups.

- | | | |
|--------------------------------------|------------------------------|-------------------------------|
| a $\frac{1}{3}$ of 18 = _____ | $\frac{1}{3}$ of 180 = _____ | $\frac{1}{3}$ of 1800 = _____ |
| b $\frac{1}{4}$ of 20 = _____ | $\frac{1}{4}$ of 200 = _____ | $\frac{1}{4}$ of 2000 = _____ |
| c $\frac{1}{5}$ of 15 = _____ | $\frac{1}{5}$ of 150 = _____ | $\frac{1}{5}$ of 1500 = _____ |
| d $\frac{1}{6}$ of 12 = _____ | $\frac{1}{6}$ of 120 = _____ | $\frac{1}{6}$ of 1200 = _____ |
| e $\frac{1}{8}$ of 24 = _____ | $\frac{1}{8}$ of 240 = _____ | $\frac{1}{8}$ of 2400 = _____ |

8 Solve these problems.

a There were 120 cakes on a tray until Jana tripped on a loose tile and spilled $\frac{1}{4}$ of them. How many did she spill?

c If $\frac{1}{8}$ of the 320 seats in the restaurant were reserved for Tim's birthday party, how many were reserved?

$\frac{1}{8}$ of 32
= 4.
 $\frac{1}{8}$ of 320
= 40.

b Jackson had \$270 to spend. How much was the watch he bought if it was equal to $\frac{1}{3}$ of his money?

d Our family had 480 raffle tickets to sell. How many did Auntie Donna buy if she bought $\frac{1}{6}$ of them?

