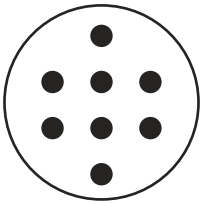
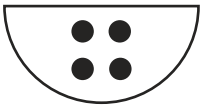
Finding Simple Fractions of Numbers

Find half by dividing a number into two equal parts.
Find a quarter by dividing a half into two equal parts.



1 whole = 8

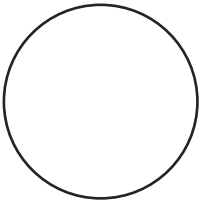


$\frac{1}{2}$ = 4

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

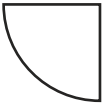
1. Find a half and a quarter of each of these numbers. Draw circles to help you.

a.



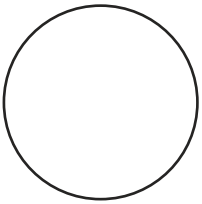
1 whole = 12

$\frac{1}{2}$ = ☐



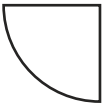
$\frac{1}{4}$ = ☐

b.



1 whole = 4

$\frac{1}{2}$ = ☐



$\frac{1}{4}$ = ☐

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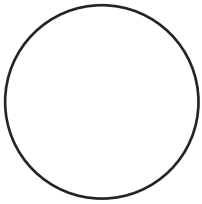
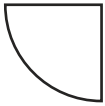
c.



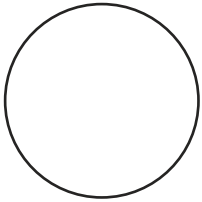
1 whole = 16

$\frac{1}{2}$ = ☐



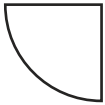
$\frac{1}{4}$ = ☐

d.



1 whole = 20

$\frac{1}{2}$ = ☐



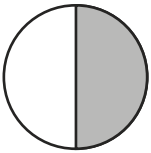
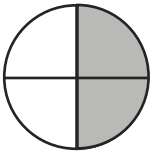
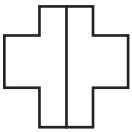
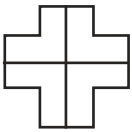
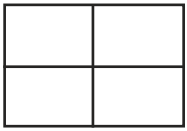
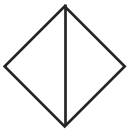
$\frac{1}{4}$ = ☐

2. Find a half and a quarter of these numbers by halving and halving again:

a. 1 whole = 28	$\frac{1}{2}$ =	$\frac{1}{4}$ =
b. 1 whole = 32	$\frac{1}{2}$ =	$\frac{1}{4}$ =
c. 1 whole = 24	$\frac{1}{2}$ =	$\frac{1}{4}$ =
d. 1 whole = 40	$\frac{1}{2}$ =	$\frac{1}{4}$ =
e. 1 whole = 100	$\frac{1}{2}$ =	$\frac{1}{4}$ =

Recognising Equivalence between $\frac{1}{2}$ and $\frac{2}{4}$

1. Find $\frac{1}{2}$ and $\frac{2}{4}$ of each of these shapes. What do you notice?

$\frac{1}{2}$ 	=	$\frac{2}{4}$ 
a. $\frac{1}{2}$ 	=	$\frac{2}{4}$ 
b. $\frac{1}{2}$	=	$\frac{2}{4}$ 
c. $\frac{1}{2}$	=	$\frac{2}{4}$
d. $\frac{1}{2}$ 	=	$\frac{2}{4}$

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2. Find $\frac{1}{2}$ and $\frac{2}{4}$ of each of these shapes. What do you notice?

$\frac{1}{2}$ = **4**	● ● ○ ○ ● ● ○ ○	=	● ● ○ ○ ● ● ○ ○	$\frac{2}{4}$ = **4**

a. $\frac{1}{2}$ = ☐	○ ○ ○ ○	=	○ ○ ○ ○	$\frac{2}{4}$ = ☐
b. $\frac{1}{2}$ = ☐	○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○	=	○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○	$\frac{2}{4}$ = ☐
c. $\frac{1}{2}$ = ☐	○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○	=	○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○	$\frac{2}{4}$ = ☐

3. Use what you have learned to find $\frac{1}{2}$ and $\frac{2}{4}$ of these numbers.

$\frac{1}{2}$ = ☐	6	=	6	$\frac{2}{4}$ = ☐
$\frac{1}{2}$ = ☐	10	=	10	$\frac{2}{4}$ = ☐
$\frac{1}{2}$ = ☐	14	=	14	$\frac{2}{4}$ = ☐

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