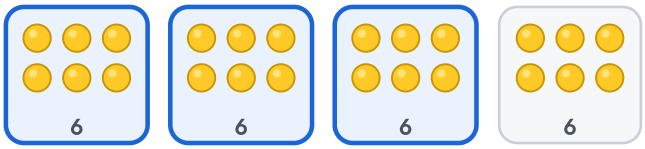
Names (pair) _____ Date _____

More Parts of a Set

Example

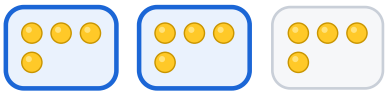


24 counters are shared into 4 equal parts. We take 3 parts.

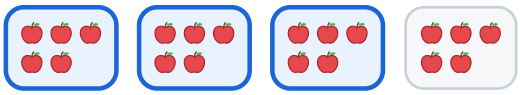
$\frac{3}{4}$ of $24 = 6+6+6 = 3 \cdot 6 = 18$

The numerator tells us **how many equal parts we take**. We add the objects in those parts, or multiply.

1 ON YOUR OWN Write the fraction of the set shown in blue. Then write it as an addition and as a multiplication.

a) 

$\frac{\square}{\square}$ of 12 = ☐ = ☐ = ☐

b) 

$\frac{\square}{\square}$ of 20 = ☐ = ☐ = ☐

c) 

$\frac{\square}{\square}$ of 15 = ☐ = ☐ = ☐

d) 

$\frac{\square}{\square}$ of 18 = ☐ = ☐ = ☐

Names (pair) _____ Date _____

2 IN PAIRS **Predict and check.** One student enters the problem in the app (mode **Fraction of a set**) and turns off **Show the result**. The other works it out, then the first presses **At once** and taps "?". Swap roles.

Problem	One part	Addition	Multiplication	Answer	✓
$\frac{2}{3}$ of 12					
$\frac{3}{5}$ of 20					
$\frac{5}{6}$ of 18					
$\frac{3}{4}$ of 16					
$\frac{2}{5}$ of 25					
$\frac{4}{7}$ of 21					

3 IN A GROUP **Stations.** Each group has objects and the cards from page 3. Roles: *sharer*, *counter*, *recorder*, *checker* (app). Roles move round after each card.

Card	Parts	In one part	We take	Multiplication	Answer
1.					
2.					
3.					
4.					
5.					
6.					

4 ON YOUR OWN **Exit card.** $\frac{3}{4}$ of 20 = ____ = ____

✂ Cards for the stations. Cut them out along the dashed line.

$\frac{2}{3}$ of 18

18 pencils

$\frac{3}{4}$ of 24

24 cubes

$\frac{4}{5}$ of 20

20 buttons

$\frac{5}{6}$ of 30

30 beans

$\frac{3}{8}$ of 24

24 candies

$\frac{2}{9}$ of 18

18 apples

$\frac{7}{10}$ of 30

30 counters

$\frac{5}{12}$ of 36

36 marbles