

25/1/21

Before we start the lesson, you will need 12 counters. You could make these yourself by cutting 12 circles out of paper.



## Finding Part of a Set

### In Focus

What if 4 children share this box of sweets equally?



Use your counters to help you.



Explore this

## Finding Part of a Set

### In Focus

What if 4 children share this box of sweets equally?



Is it possible to represent this as a fraction?

Think about the numerators and denominators.

Another way of sharing 12 sweets between 4 children is to find  $\frac{1}{4}$  of 12.

The 12 counters can be divided into 4 parts by drawing 4 quarters within a bar model





## Let's Learn

1



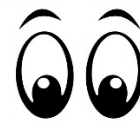
$\frac{1}{4}$  of 12 sweets = 3 sweets

$$12 \div 4 = 3$$



We could draw them or use our counters.

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Watch video clip "Explanation 1"



When we share a set of objects with 4 people, we need to divide it into 4 parts and find how many are in 1 part; this is the same as finding  $\frac{1}{4}$  of the set of objects.



Watch video clip "Explanation 1"

2 What if there are only 3 children?



$\frac{1}{3}$  of 12 sweets =  sweets

$12 \div 3 =$



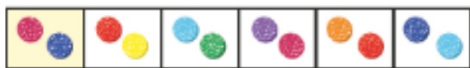
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Watch video clip "Explanation 1"



3 What if there are 6 children?



$\frac{1}{6}$  of 12 sweets =  sweets

$12 \div \text{[ ]} = \text{[ ]}$



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



Watch video clip "Explanation 1"





## Guided Practice


Use  to help you.

1 What is  $\frac{1}{2}$  of 8 apples? 

2 What is  $\frac{1}{4}$  of 8 oranges? 

3 What is  $\frac{1}{8}$  of 8 pears? 

Use  to stand for apples, oranges and pears.

You will need 8 counters this time.



Finding Part of a Set

Fill in the blanks.

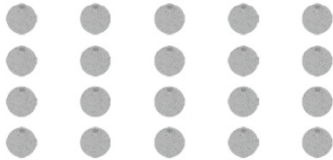
1 Circle the apples to make 3 groups.



What is  $\frac{1}{3}$  of 9 apples?

apples

2 Circle the oranges to make 5 groups.



What is  $\frac{1}{5}$  of 20 oranges?

oranges

Circle the marbles to make 4 groups.



What is  $\frac{1}{4}$  of 12 marbles?


Circle the balls to make 2 groups.



What is  $\frac{1}{2}$  of 16 balls?

3 Answer the following questions.

Draw  in the bars to help you.

Use  to stand for doughnuts, pears and sweets.



(a) What is  $\frac{1}{2}$  of 12 doughnuts?

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doughnuts

(b) What is  $\frac{1}{5}$  of 25 pears?

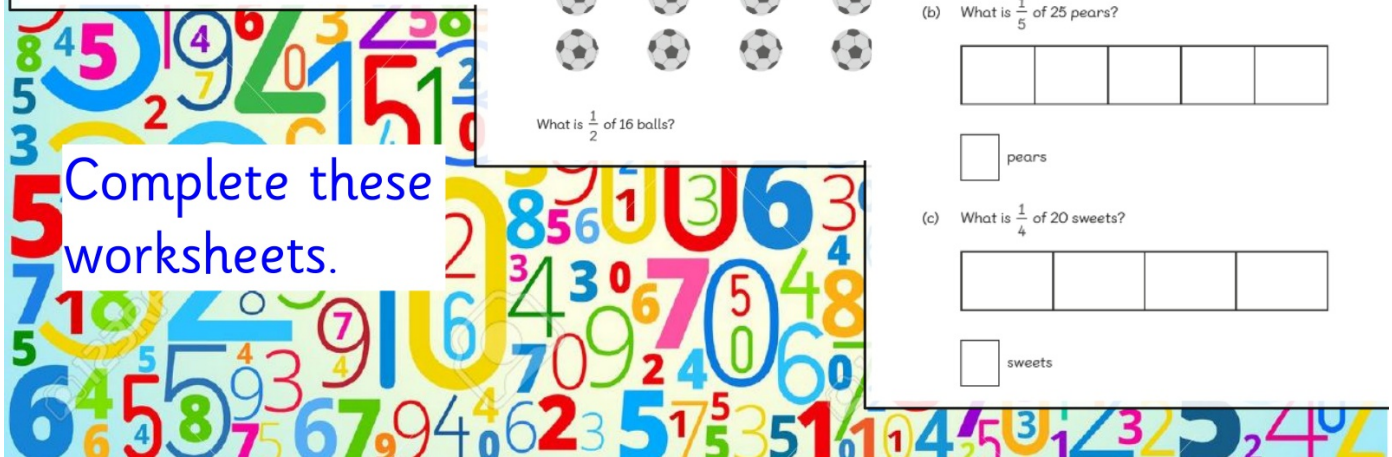
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pears

(c) What is  $\frac{1}{4}$  of 20 sweets?

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sweets



Keep your counters. You will need them for the lesson tomorrow.

