

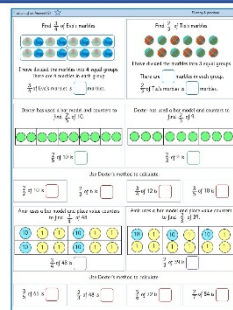
## ★ Fraction of an Amount (2)

Children need to understand that the denominator of the fraction tells us how many equal parts the whole will be divided into. E.g.,  $\frac{1}{3}$  means dividing the whole into 3 equal parts.

They need to understand that the numerator tells them how many parts of the whole there are. E.g.,  $\frac{2}{3}$  means dividing the whole into 3 equal parts, then counting the amount in 2 of these parts.

On this sheet, they have completed bar models to continue answering questions in the same style.

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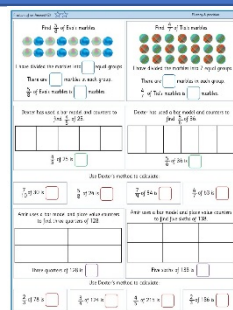
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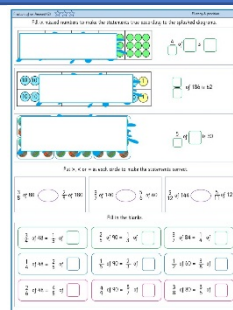
## ★★★ Fraction of an Amount (2)

Children need to understand that the denominator of the fraction tells us how many equal parts the whole will be divided into. E.g.,  $\frac{1}{3}$  means dividing the whole into 3 equal parts.

They need to understand that the numerator tells them how many parts of the whole there are. E.g.,  $\frac{2}{3}$  means dividing the whole into 3 equal parts, then counting the amount in 2 of these parts.

On this sheet, they have missing parts to diagrams and answer complex comparison statements.

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## Reasoning & Problem Solving

### Fraction of an Amount (2)

Children continue working on their understanding of fractions of an amount.

They will solve word problems and reasoning questions that involve non-unit fractions of an amount.

Fraction of an Amount (2)

This is  $\frac{3}{4}$  of a set of chairs.

How many were in the whole set?

This is  $\frac{4}{5}$  of a set of chairs.

How many were in the whole set?

Reasoning & Problem Solving

Leanna has 40 chocolates.

On Friday, she ate  $\frac{3}{8}$  of her chocolates, and gave one to her mum.

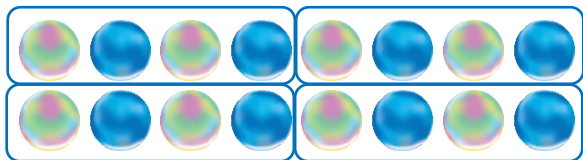
On Saturday, she ate  $\frac{1}{4}$  of her remaining chocolates, and gave two to her brother.

On Sunday, she ate  $\frac{2}{3}$  of her remaining chocolates.

How many chocolates does Leanna have left?



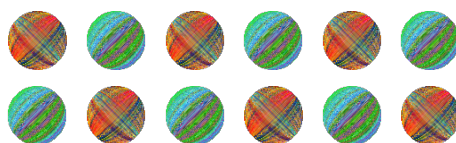
Find  $\frac{3}{4}$  of Eva's marbles.



I have divided the marbles into 4 equal groups.  
There are 4 marbles in each group.

$\frac{3}{4}$  of Eva's marbles is  marbles.

Find  $\frac{2}{3}$  of Tia's marbles.

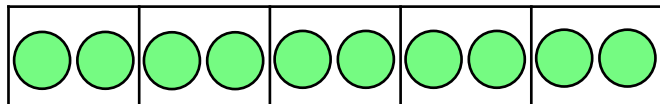


I have divided the marbles into 3 equal groups.

There are  marbles in each group.

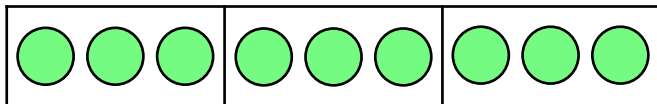
$\frac{2}{3}$  of Tia's marbles is  marbles.

Malachi has used a bar model and counters to find  $\frac{2}{5}$  of 10.



$\frac{2}{5}$  of 10 is

Malachi has used a bar model and counters to find  $\frac{2}{3}$  of 9.



$\frac{2}{3}$  of 9 is

Use Malachi's method to calculate:

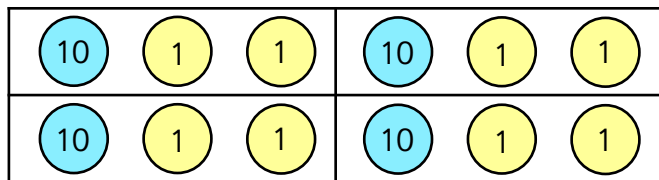
$\frac{2}{2}$  of 10 is

$\frac{2}{3}$  of 6 is

$\frac{3}{4}$  of 12 is

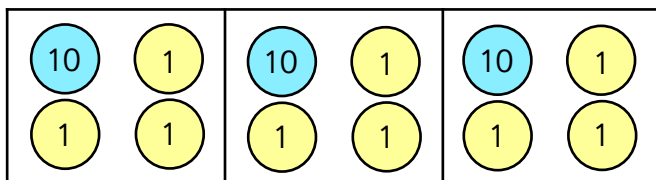
$\frac{3}{5}$  of 10 is

Zach uses a bar model and place value counters to find  $\frac{3}{4}$  of 48.



$\frac{3}{4}$  of 48 is

Zach uses a bar model and place value counters to find  $\frac{2}{3}$  of 39.



$\frac{2}{3}$  of 39 is

Use Zach's method to calculate:

$\frac{3}{5}$  of 65 is

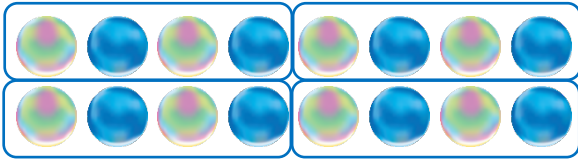
$\frac{2}{3}$  of 48 is

$\frac{5}{6}$  of 72 is

$\frac{2}{7}$  of 84 is



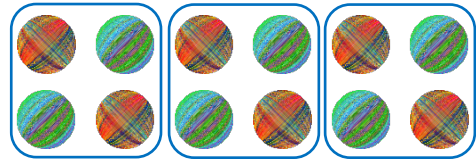
Find  $\frac{3}{4}$  of Eva's marbles.



I have divided the marbles into 4 equal groups.  
There are 4 marbles in each group.

$\frac{3}{4}$  of Eva's marbles is **12** marbles.

Find  $\frac{2}{3}$  of Tia's marbles.

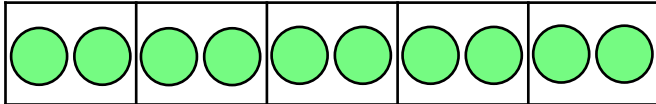


I have divided the marbles into 3 equal groups.

There are **4** marbles in each group.

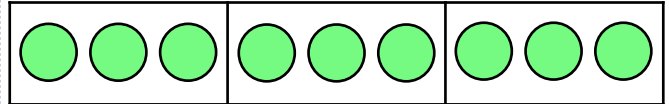
$\frac{2}{3}$  of Tia's marbles is **8** marbles.

Malachi has used a bar model and counters to find  $\frac{2}{5}$  of 10.



$\frac{2}{5}$  of 10 is **4**

Malachi has used a bar model and counters to find  $\frac{2}{3}$  of 9.



$\frac{2}{3}$  of 9 is **6**

Use Malachi's method to calculate:

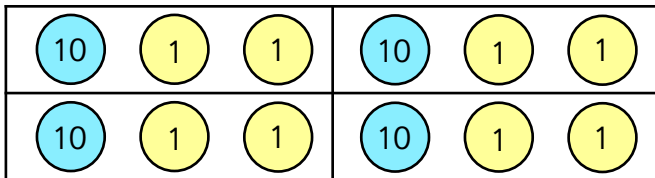
$\frac{2}{2}$  of 10 is **10**

$\frac{2}{3}$  of 6 is **4**

$\frac{3}{4}$  of 12 is **9**

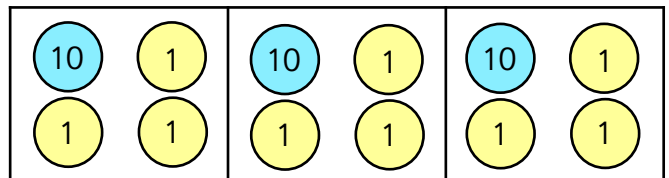
$\frac{3}{5}$  of 10 is **6**

Zach uses a bar model and place value counters to find  $\frac{3}{4}$  of 48.



$\frac{3}{4}$  of 48 is **36**

Zach uses a bar model and place value counters to find  $\frac{2}{3}$  of 39.



$\frac{2}{3}$  of 39 is **26**

Use Zach's method to calculate:

$\frac{3}{5}$  of 65 is **39**

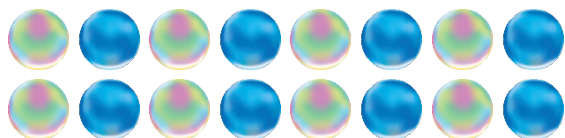
$\frac{2}{3}$  of 48 is **32**

$\frac{5}{6}$  of 72 is **60**

$\frac{2}{7}$  of 84 is **24**



Find  $\frac{5}{8}$  of Eva's marbles.

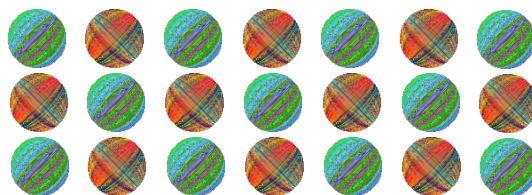


I have divided the marbles into  equal groups.

There are  marbles in each group.

$\frac{5}{8}$  of Eva's marbles is  marbles.

Find  $\frac{4}{7}$  of Tia's marbles.

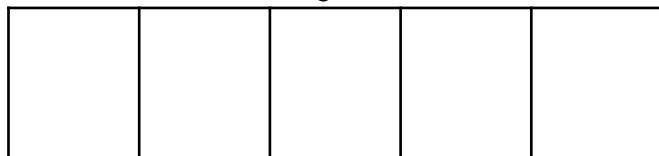


I have divided the marbles into 7 equal groups.

There are  marbles in each group.

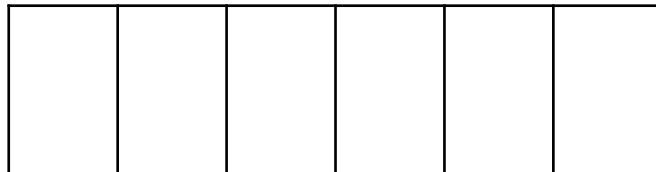
$\frac{4}{7}$  of Tia's marbles is  marbles.

Malachi has used a bar model and counters to find  $\frac{4}{5}$  of 25.



$\frac{4}{5}$  of 25 is

Malachi has used a bar model and counters to find  $\frac{5}{6}$  of 36.



$\frac{5}{6}$  of 36 is

Use Malachi's method to calculate:

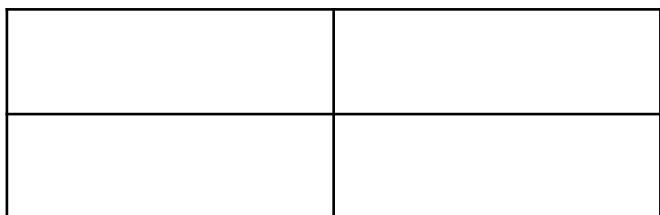
$\frac{7}{10}$  of 30 is

$\frac{5}{8}$  of 24 is

$\frac{7}{9}$  of 54 is

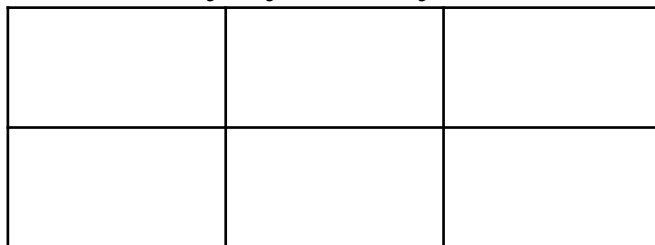
$\frac{6}{7}$  of 63 is

Zach uses a bar model and place value counters to find three quarters of 128.



Three quarters of 128 is

Zach uses a bar model and place value counters to find five sixths of 138.



Five sixths of 138 is

Use Zach's method to calculate:

$\frac{2}{3}$  of 78 is

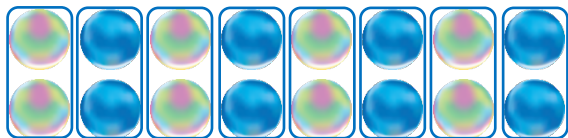
$\frac{3}{4}$  of 124 is

$\frac{4}{5}$  of 215 is

$\frac{2}{3}$  of 186 is



Find  $\frac{5}{8}$  of Eva's marbles.

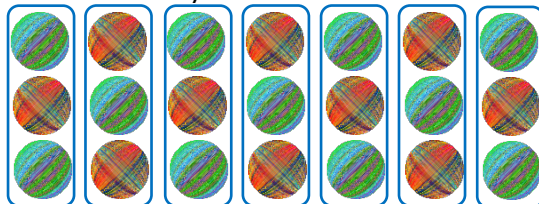


I have divided the marbles into **8** equal groups.

There are **2** marbles in each group.

$\frac{5}{8}$  of Eva's marbles is **10** marbles.

Find  $\frac{4}{7}$  of Tia's marbles.

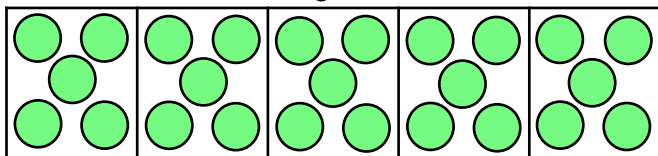


I have divided the marbles into 7 equal groups.

There are **3** marbles in each group.

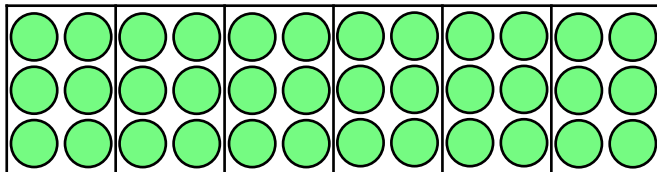
$\frac{4}{7}$  of Tia's marbles is **12** marbles.

Malachi has used a bar model and counters to find  $\frac{4}{5}$  of 25.



$\frac{4}{5}$  of 25 is **20**

Malachi has used a bar model and counters to find  $\frac{5}{6}$  of 36.



$\frac{5}{6}$  of 36 is **30**

Use Malachi's method to calculate:

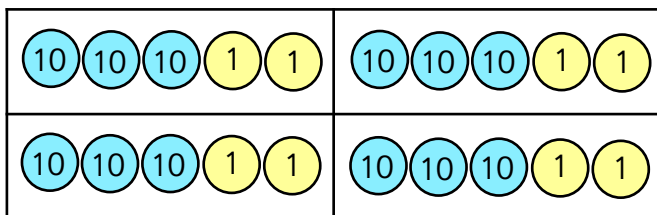
$\frac{7}{10}$  of 30 is **21**

$\frac{5}{8}$  of 24 is **15**

$\frac{7}{9}$  of 54 is **42**

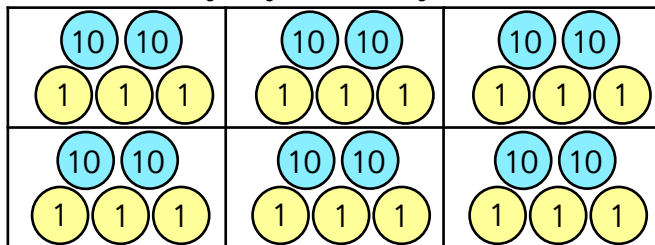
$\frac{6}{7}$  of 63 is **54**

Zach uses a bar model and place value counters to find three quarters of 128.



Three quarters of 128 is **96**

Zach uses a bar model and place value counters to find five sixths of 138.



Five sixths of 138 is **115**

Use Zach's method to calculate:

$\frac{2}{3}$  of 78 is **52**

$\frac{3}{4}$  of 124 is **93**

$\frac{4}{5}$  of 215 is **172**

$\frac{2}{3}$  of 186 is **124**



Fill in the missing numbers to make the statements true according to what the diagrams should look like.



$$\frac{4}{\square} \text{ of } \square \text{ is } \square$$



$$\frac{\square}{\square} \text{ of } 186 \text{ is } 62$$



$$\frac{5}{\square} \text{ of } \square \text{ is } 30$$

Put  $>$ ,  $<$  or  $=$  in each circle to make the statements correct.

$$\frac{3}{8} \text{ of } 80 \quad \bigcirc \quad \frac{2}{9} \text{ of } 180$$

$$\frac{3}{7} \text{ of } 140 \quad \bigcirc \quad \frac{5}{6} \text{ of } 60$$

$$\frac{5}{12} \text{ of } 144 \quad \bigcirc \quad \frac{5}{11} \text{ of } 121$$

Fill in the blanks.

$$\frac{3}{4} \text{ of } 48 = \frac{1}{5} \text{ of } \square$$

$$\frac{2}{5} \text{ of } 90 = \frac{1}{3} \text{ of } \square$$

$$\frac{3}{7} \text{ of } 84 = \frac{1}{4} \text{ of } \square$$

$$\frac{1}{4} \text{ of } 48 = \frac{2}{5} \text{ of } \square$$

$$\frac{1}{5} \text{ of } 90 = \frac{2}{3} \text{ of } \square$$

$$\frac{1}{2} \text{ of } 60 = \frac{3}{8} \text{ of } \square$$

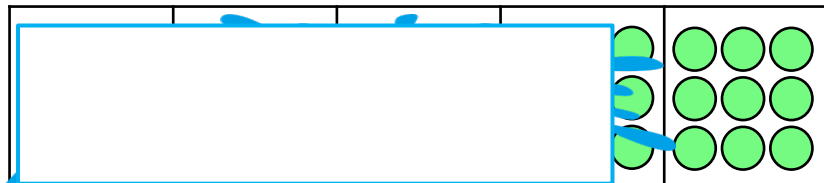
$$\frac{2}{6} \text{ of } 48 = \frac{4}{5} \text{ of } \square$$

$$\frac{4}{9} \text{ of } 90 = \frac{5}{7} \text{ of } \square$$

$$\frac{3}{8} \text{ of } 80 = \frac{3}{5} \text{ of } \square$$



Fill in the missing numbers to make the statements true according to what the diagrams should look like.



$$\frac{4}{5} \text{ of } 45 \text{ is } 36$$



$$\frac{2}{6} \text{ of } 186 \text{ is } 62$$



$$\frac{5}{6} \text{ of } 36 \text{ is } 30$$

Put  $>$ ,  $<$  or  $=$  in each circle to make the statements correct.

$$\frac{3}{8} \text{ of } 80 < \frac{2}{9} \text{ of } 180$$

$$\frac{3}{7} \text{ of } 140 > \frac{5}{6} \text{ of } 60$$

$$\frac{5}{12} \text{ of } 144 > \frac{5}{11} \text{ of } 121$$

Fill in the blanks.

$$\frac{3}{4} \text{ of } 48 = \frac{1}{5} \text{ of } 180$$

$$\frac{2}{5} \text{ of } 90 = \frac{1}{3} \text{ of } 108$$

$$\frac{3}{7} \text{ of } 84 = \frac{1}{4} \text{ of } 144$$

$$\frac{1}{4} \text{ of } 48 = \frac{2}{5} \text{ of } 30$$

$$\frac{1}{5} \text{ of } 90 = \frac{2}{3} \text{ of } 27$$

$$\frac{1}{2} \text{ of } 60 = \frac{3}{8} \text{ of } 80$$

$$\frac{2}{6} \text{ of } 48 = \frac{4}{5} \text{ of } 20$$

$$\frac{4}{9} \text{ of } 90 = \frac{5}{7} \text{ of } 56$$

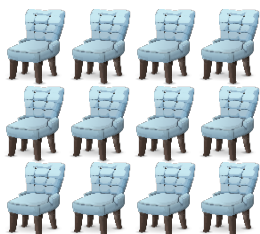
$$\frac{3}{8} \text{ of } 80 = \frac{3}{5} \text{ of } 50$$

This is  $\frac{3}{4}$  of a set of chairs.



How many were in the whole set?

This is  $\frac{4}{5}$  of a set of chairs.



How many were in the whole set?



Leanna has 40 chocolates.

On Friday, she ate  $\frac{3}{8}$  of her

chocolates, and gave one to her mum.

On Saturday, she ate  $\frac{1}{6}$  of her remaining chocolates, and gave two to her brother.

On Sunday, she ate  $\frac{2}{3}$  of her remaining chocolates.

How many chocolates does Leanna have left?

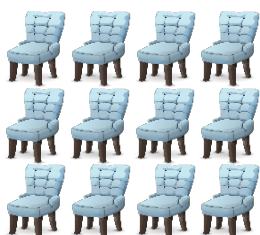


This is  $\frac{3}{4}$  of a set of chairs.



How many were in the whole set?

This is  $\frac{4}{5}$  of a set of chairs.



How many were in the whole set?



Leanna has 40 chocolates.

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How many chocolates does Leanna have left?

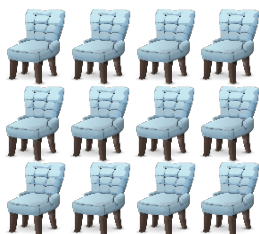


This is  $\frac{3}{4}$  of a set of chairs.



How many were in the whole set? 24

This is  $\frac{4}{5}$  of a set of chairs.



How many were in the whole set? 15



Leanna has 40 chocolates.

On Friday, she ate  $\frac{3}{8}$  of her

chocolates, and gave one to her mom.

On Saturday, she ate  $\frac{1}{6}$  of her remaining chocolates, and gave two to her brother.

On Sunday, she ate  $\frac{2}{3}$  of her remaining chocolates.

How many chocolates does Leanna have left?

Leanna has left 6 chocolates.



This is  $\frac{3}{4}$  of a set of chairs.



How many were in the whole set? 24

This is  $\frac{4}{5}$  of a set of chairs.



How many were in the whole set? 15



Leanna has 40 chocolates.

On Friday, she ate  $\frac{3}{8}$  of her

chocolates, and gave one to her mom.

On Saturday, she ate  $\frac{1}{6}$  of her remaining chocolates, and gave two to her brother.

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How many chocolates does Leanna have left?

Leanna has left 6 chocolates.

