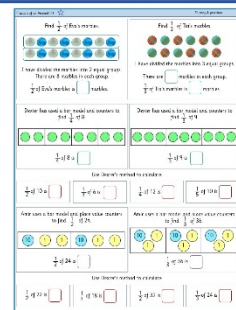


## ★ Fraction of an Amount (1)

Children find a unit fraction of an amount by dividing an amount into equal groups. They build on their understanding of division by using place value counters to find fractions of larger quantities including where they need to exchange tens for ones.

On this sheet, they will find unit fractions of simple amounts using different methods.

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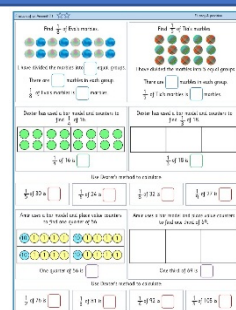


## ★★ Fraction of an Amount (1)

Children find a unit fraction of an amount by dividing an amount into equal groups. They build on their understanding of division by using place value counters to find fractions of larger quantities including where they need to exchange tens for ones.

On this sheet, they will find unit fractions of larger amounts using different methods.

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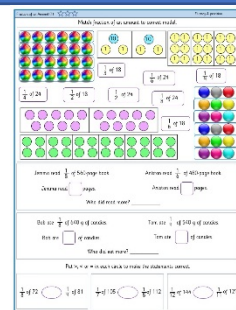


## ★★★ Fraction of an Amount (1)

Children find a unit fraction of an amount by dividing an amount into equal groups. They build on their understanding of division by using place value counters to find fractions of larger quantities including where they need to exchange tens for ones.

On this sheet, they will solve more complex questions and compare unit fractions of an amount.

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## Reasoning & Problem Solving

### Fraction of an Amount (1)

Children continue working on their understanding of fractions of an amount by answering reasoning tasks.

**Fraction of an Amount (1)**

Reasoning & Problem Solving

3

Leanna has 20 chocolates.

On Friday, she ate  $\frac{1}{4}$  of her chocolates, and gave one to her mom.

On Saturday, she ate  $\frac{1}{2}$  of her remaining chocolates, and gave two to her brother.

On Sunday, she ate  $\frac{1}{2}$  of her remaining chocolates.

How many chocolates does Leanna have left?

Fill in the blanks.

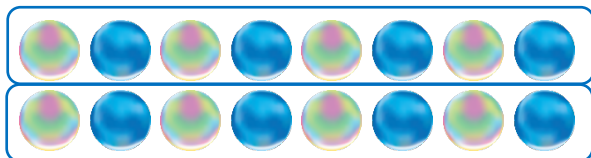
$\frac{1}{4}$  of 48 =  $\frac{1}{5}$  of

$\frac{1}{5}$  of 90 =  $\frac{1}{3}$  of

$\frac{1}{6}$  of 60 =  $\frac{1}{4}$  of 40



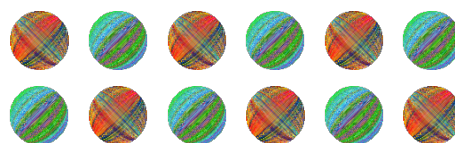
Find  $\frac{1}{2}$  of Eva's marbles.



I have divided the marbles into 2 equal groups.  
There are 8 marbles in each group.

$\frac{1}{2}$  of Eva's marbles is  marbles.

Find  $\frac{1}{3}$  of Tia's marbles.

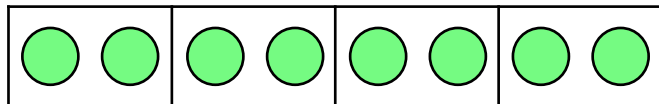


I have divided the marbles into 3 equal groups.

There are  marbles in each group.

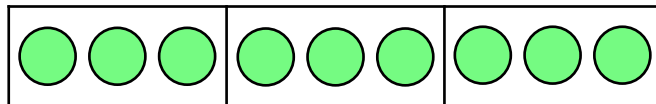
$\frac{1}{3}$  of Tia's marbles is  marbles.

Malachi has used a bar model and counters to find  $\frac{1}{4}$  of 8.



$\frac{1}{4}$  of 8 is

Malachi has used a bar model and counters to find  $\frac{1}{3}$  of 9.



$\frac{1}{3}$  of 9 is

Use Malachi's method to calculate:

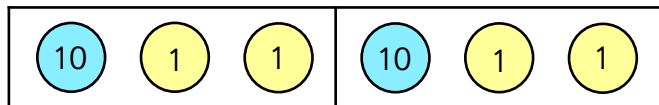
$\frac{1}{2}$  of 10 is

$\frac{1}{3}$  of 6 is

$\frac{1}{4}$  of 12 is

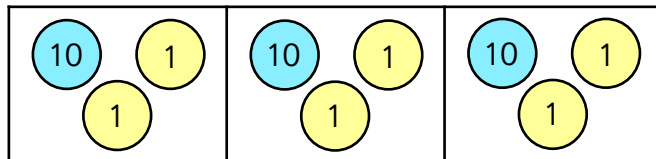
$\frac{1}{5}$  of 10 is

Zach uses a bar model and place value counters to find  $\frac{1}{2}$  of 24.



$\frac{1}{2}$  of 24 is

Zach uses a bar model and place value counters to find  $\frac{1}{3}$  of 36.



$\frac{1}{3}$  of 36 is

Use Zach's method to calculate:

$\frac{1}{2}$  of 22 is

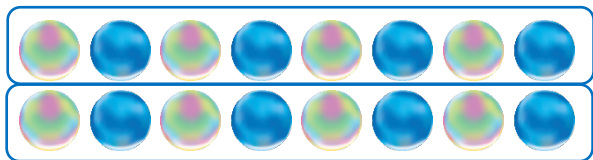
$\frac{1}{3}$  of 18 is

$\frac{1}{2}$  of 32 is

$\frac{1}{3}$  of 24 is



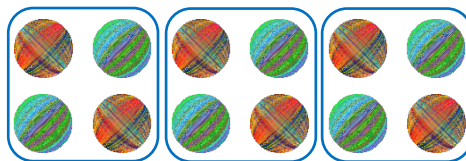
Find  $\frac{1}{2}$  of Eva's marbles.



I have divided the marbles into 2 equal groups.  
There are 8 marbles in each group.

$\frac{1}{2}$  of Eva's marbles is **8** marbles.

Find  $\frac{1}{3}$  of Tia's marbles.

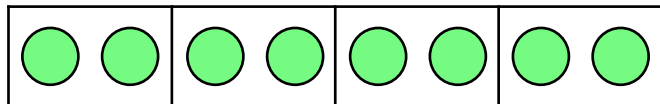


I have divided the marbles into 3 equal groups.

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

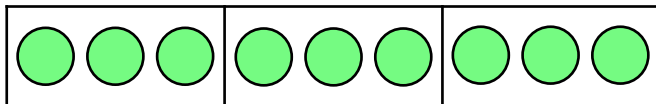
$\frac{1}{3}$  of Tia's marbles is **4** marbles.

Malachi has used a bar model and counters to find  $\frac{1}{4}$  of 8.



$\frac{1}{4}$  of 8 is **2**

Malachi has used a bar model and counters to find  $\frac{1}{3}$  of 9.



$\frac{1}{3}$  of 9 is **3**

Use Malachi's method to calculate:

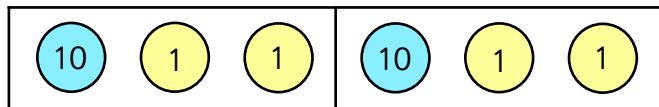
$\frac{1}{2}$  of 10 is **5**

$\frac{1}{3}$  of 6 is **2**

$\frac{1}{4}$  of 12 is **3**

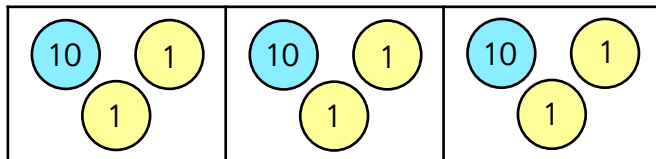
$\frac{1}{5}$  of 10 is **2**

Zach uses a bar model and place value counters to find  $\frac{1}{2}$  of 24.



$\frac{1}{2}$  of 24 is **12**

Zach uses a bar model and place value counters to find  $\frac{1}{3}$  of 36.



$\frac{1}{3}$  of 36 is **12**

Use Zach's method to calculate:

$\frac{1}{2}$  of 22 is **11**

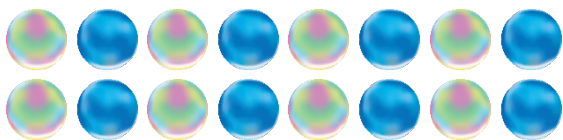
$\frac{1}{3}$  of 18 is **6**

$\frac{1}{2}$  of 32 is **16**

$\frac{1}{3}$  of 24 is **8**



Find  $\frac{1}{8}$  of Eva's marbles.

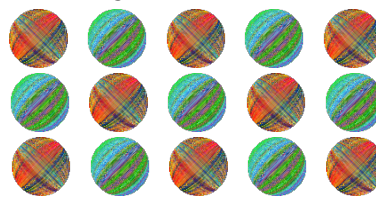


I have divided the marbles into  equal groups.

There are  marbles in each group.

$\frac{1}{8}$  of Eva's marbles is  marbles.

Find  $\frac{1}{5}$  of Tia's marbles.

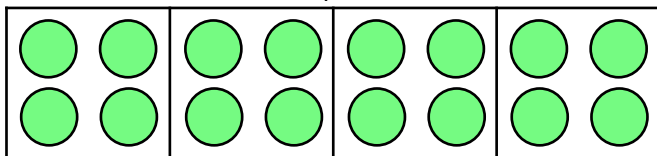


I have divided the marbles into 5 equal groups.

There are  marbles in each group.

$\frac{1}{5}$  of Tia's marbles is  marbles.

Malachi has used a bar model and counters to find  $\frac{1}{4}$  of 16.



$\frac{1}{4}$  of 16 is

Malachi has used a bar model and counters to find  $\frac{1}{3}$  of 18.



$\frac{1}{3}$  of 18 is

Use Malachi's method to calculate:

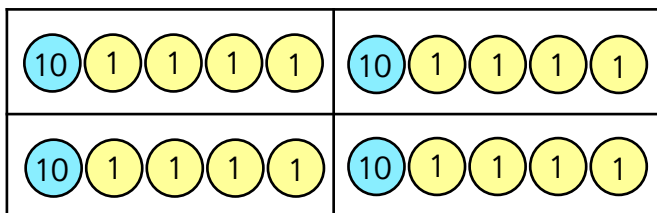
$\frac{1}{5}$  of 30 is

$\frac{1}{6}$  of 24 is

$\frac{1}{8}$  of 32 is

$\frac{1}{9}$  of 27 is

Zach uses a bar model and place value counters to find one quarter of 56.



One quarter of 56 is

Zach uses a bar model and place value counters to find one third of 69.



One third of 69 is

Use Zach's method to calculate:

$\frac{1}{2}$  of 76 is

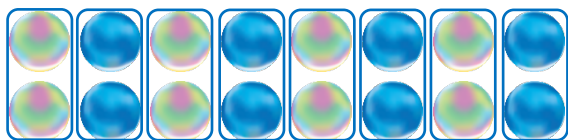
$\frac{1}{3}$  of 81 is

$\frac{1}{4}$  of 92 is

$\frac{1}{5}$  of 105 is



Find  $\frac{1}{8}$  of Eva's marbles.

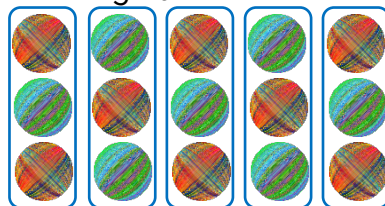


I have divided the marbles into **8** equal groups.

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

$\frac{1}{8}$  of Eva's marbles is **2** marbles.

Find  $\frac{1}{5}$  of Tia's marbles.

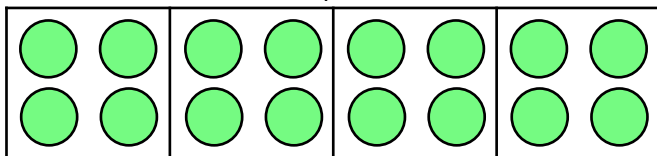


I have divided the marbles into 5 equal groups.

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

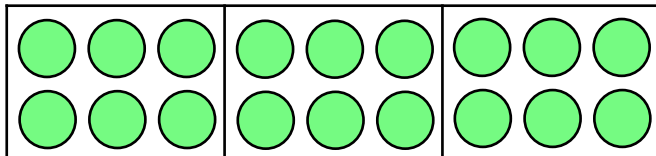
$\frac{1}{5}$  of Tia's marbles is **3** marbles.

Malachi has used a bar model and counters to find  $\frac{1}{4}$  of 16.



$\frac{1}{4}$  of 16 is **4**

Malachi has used a bar model and counters to find  $\frac{1}{3}$  of 18.



$\frac{1}{3}$  of 18 is **6**

Use Malachi's method to calculate:

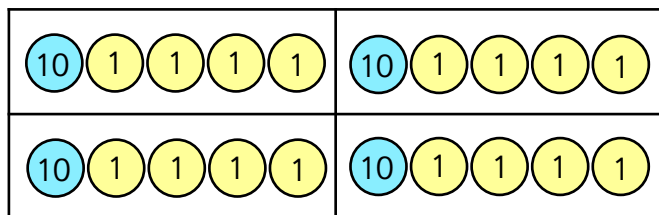
$\frac{1}{5}$  of 30 is **6**

$\frac{1}{6}$  of 24 is **4**

$\frac{1}{8}$  of 32 is **4**

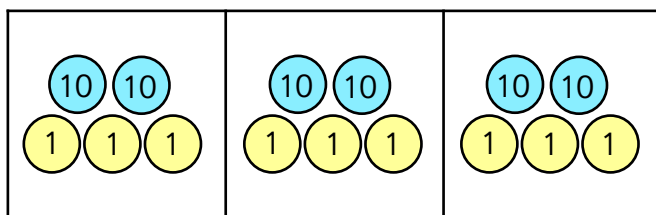
$\frac{1}{9}$  of 27 is **3**

Zach uses a bar model and place value counters to find one quarter of 56.



One quarter of 56 is **14**

Zach uses a bar model and place value counters to find one third of 69.



One third of 69 is **23**

Use Zach's method to calculate:

$\frac{1}{2}$  of 76 is **38**

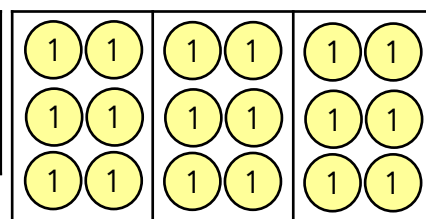
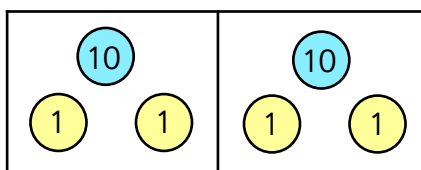
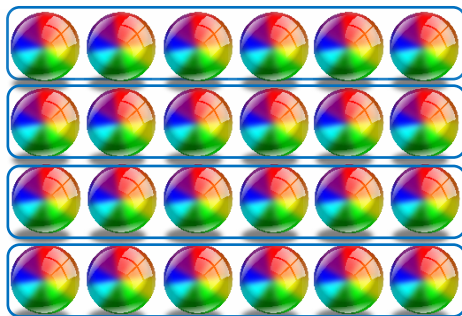
$\frac{1}{3}$  of 81 is **27**

$\frac{1}{4}$  of 92 is **23**

$\frac{1}{5}$  of 105 is **21**



Match the fraction of an amount to the correct model.



$\frac{1}{3}$  of 18

$\frac{1}{6}$  of 24

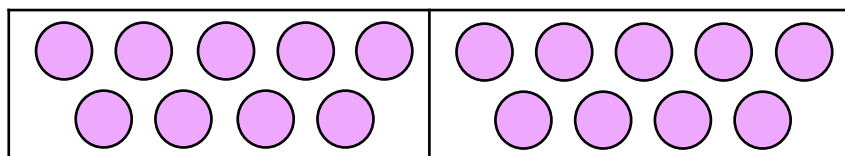
$\frac{1}{9}$  of 18

$\frac{1}{4}$  of 24

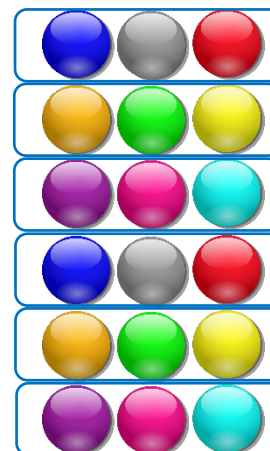
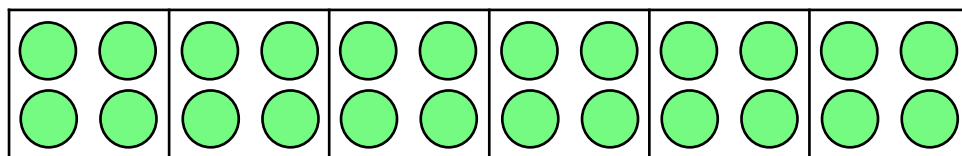
$\frac{1}{2}$  of 18

$\frac{1}{2}$  of 24

$\frac{1}{8}$  of 24



$\frac{1}{6}$  of 18



Jemma read  $\frac{1}{8}$  of a 560-page book.

Aniston read  $\frac{1}{6}$  of a 480-page book.

Jemma read  pages.

Aniston read  pages.

Who read more? \_\_\_\_\_



Bob ate  $\frac{1}{8}$  of 640 g of sweets.

Tom ate  $\frac{1}{9}$  of 540 g of sweets.

Bob ate  of sweets.

Tom ate  of sweets.

Who ate more? \_\_\_\_\_



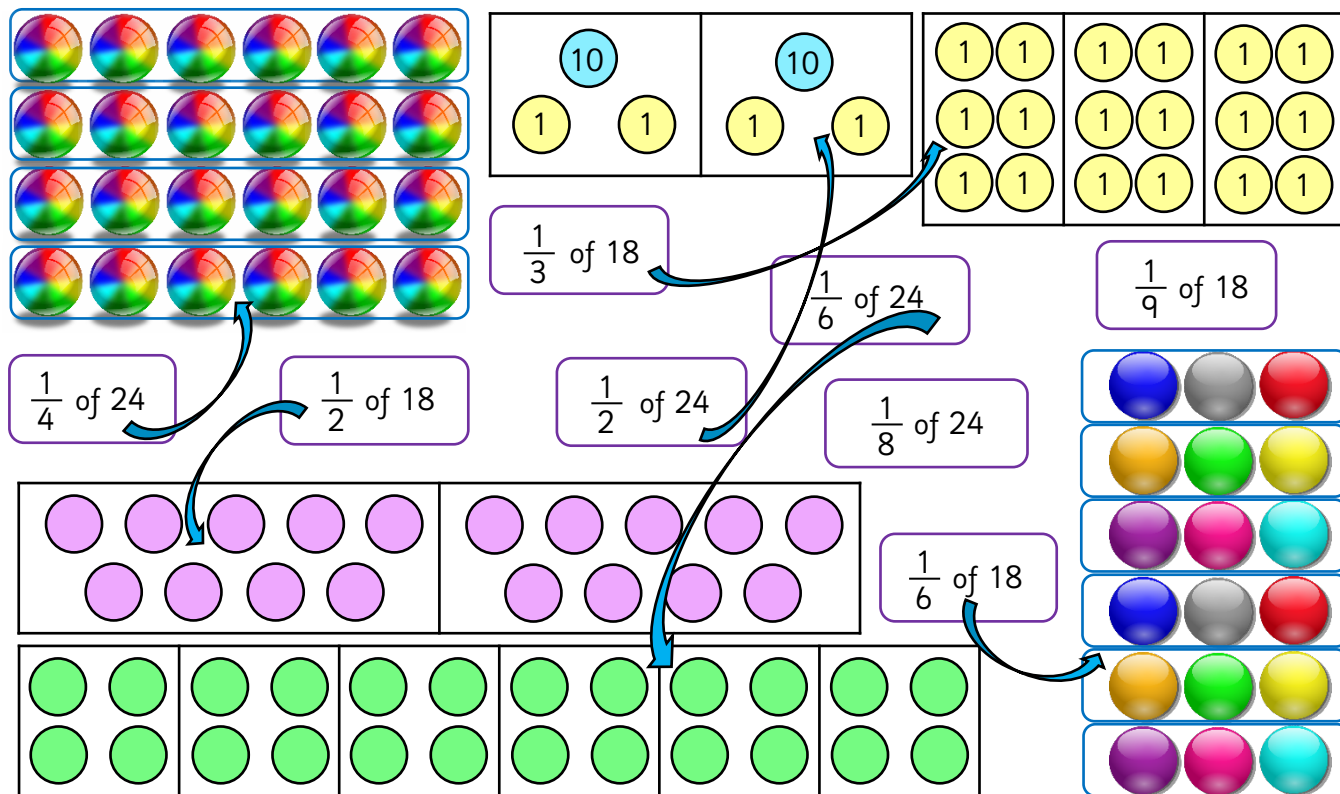
Put  $>$ ,  $<$  or  $=$  in each circle to make the statements correct.

$\frac{1}{8}$  of 72   $\frac{1}{9}$  of 81

$\frac{1}{7}$  of 105   $\frac{1}{8}$  of 112

$\frac{1}{12}$  of 144   $\frac{1}{11}$  of 121

Match the fraction of an amount to the correct model.



Jemma read  $\frac{1}{8}$  of a 560-page book.

Aniston read  $\frac{1}{6}$  of a 480-page book.



Jemma read **70** pages.

Aniston read 80 pages.

Who read more? **Aniston**

Bob ate  $\frac{1}{8}$  of 640 g of sweets.

Tom ate  $\frac{1}{9}$  of 540 g of sweets.



Bob ate **80 g** of sweets.

Tom ate **60 g** of sweets.



Who ate more? Bob

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

$$\frac{1}{8} \text{ of } 72 \quad \bigcirc \quad \frac{1}{9} \text{ of } 81$$
$$\frac{1}{7} \text{ of } 105 \quad \textcircled{>} \quad \frac{1}{8} \text{ of } 112$$
$$\frac{1}{12} \text{ of } 144 \quad \text{>} \quad \frac{1}{11} \text{ of } 121$$

Leanna has 20 chocolates.



On Friday, she ate  $\frac{1}{4}$  of her

chocolates, and gave one to her mom.

On Saturday, she ate  $\frac{1}{7}$  of her remaining chocolates, and gave two to her brother.

On Sunday, she ate  $\frac{1}{2}$  of her remaining chocolates.

How many chocolates does Leanna have left?

Fill in the blanks.

$$\frac{1}{4} \text{ of } 48 = \frac{1}{5} \text{ of } \boxed{\phantom{00}}$$

$$\frac{1}{5} \text{ of } 90 = \frac{1}{3} \text{ of } \boxed{\phantom{00}}$$

$$\frac{1}{6} \text{ of } 60 = \frac{1}{\boxed{\phantom{00}}} \text{ of } 40$$

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$$\frac{1}{5} \text{ of } 90 = \frac{1}{3} \text{ of } \boxed{\phantom{00}}$$

$$\frac{1}{6} \text{ of } 60 = \frac{1}{\boxed{\phantom{00}}} \text{ of } 40$$

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On Saturday, she ate  $\frac{1}{7}$  of her remaining chocolates, and gave two to her brother.

On Sunday, she ate  $\frac{1}{2}$  of her remaining chocolates.

How many chocolates does Leanna have left?

Leanna has 5 chocolates left.

Fill in the blanks.

$$\frac{1}{4} \text{ of } 48 = \frac{1}{5} \text{ of } \boxed{60}$$

$$\frac{1}{5} \text{ of } 90 = \frac{1}{3} \text{ of } \boxed{54}$$

$$\frac{1}{6} \text{ of } 60 = \frac{1}{4} \text{ of } \boxed{40}$$

Leanna has 20 chocolates.



On Friday, she ate  $\frac{1}{4}$  of her

chocolates, and gave one to her mom.

On Saturday, she ate  $\frac{1}{7}$  of her remaining chocolates, and gave two to her brother.

On Sunday, she ate  $\frac{1}{2}$  of her remaining chocolates.

How many chocolates does Leanna have left?

Leanna has 5 chocolates left.

Fill in the blanks.

$$\frac{1}{4} \text{ of } 48 = \frac{1}{5} \text{ of } \boxed{60}$$

$$\frac{1}{5} \text{ of } 90 = \frac{1}{3} \text{ of } \boxed{54}$$

$$\frac{1}{6} \text{ of } 60 = \frac{1}{4} \text{ of } \boxed{40}$$