

Give me 5!

1.  $431 + 269 =$

2.  $729 - 181 =$

3.  $24 \div 4 =$

4.  $100 \div 10 =$

5.  $23 \times 2 =$

Give me 5!

1.  $431 + 269 = 700$

2.  $729 - 181 = 548$

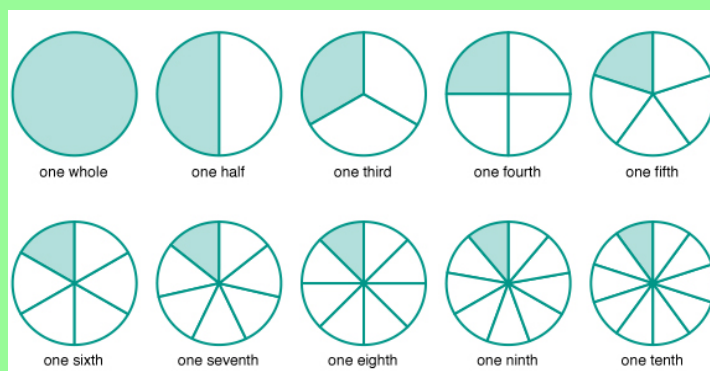
3.  $24 \div 4 = 6$

4.  $100 \div 10 = 10$

5.  $23 \times 2 = 46$

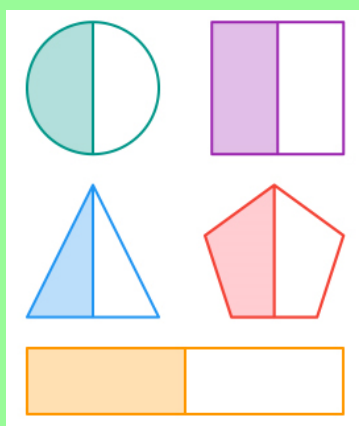
Today we are going to be starting fractions!

Have a think to yourself, what is a fraction?



A fraction is a small part of a whole number or object.

We should all know this fraction  
It is a half!



$$\frac{1}{2}$$

The top number is called the numerator

This tells you have many equal parts of something you have.

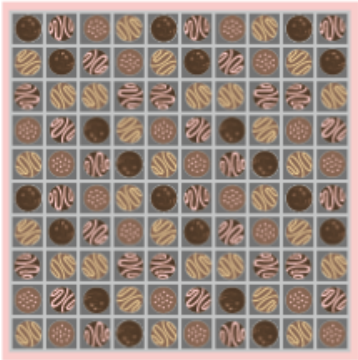
The bottom number is called the denominator

This tells you have many equal parts something is divided into.

Counting in Hundredths

Lesson 1

In Focus



I took 1  .

I took 3  .

I took 11  .

I took 9  .

How much chocolate did each of them take?

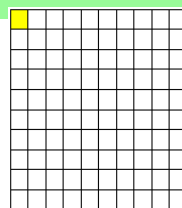
What fraction is one chocolate?

## Let's Learn

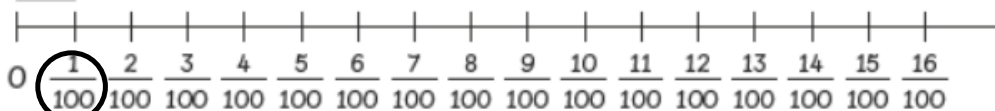
- 1 The box of chocolates is made up of 100 pieces.



is 1 hundredth of the box.



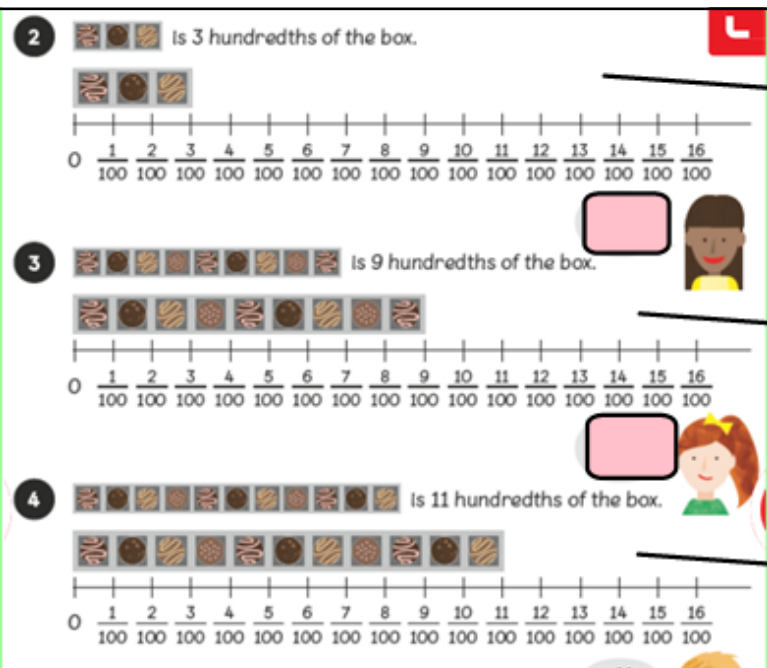
What fraction is shown here?



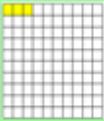
How can we say  
this fraction?

Let's count along the number  
line in hundredths.





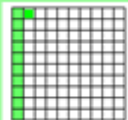
How many hundredths are 3 chocolates worth?



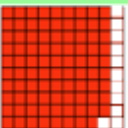
How many hundredths are 9 chocolates worth?



How many hundredths are 11 chocolates worth?



If 11 hundredths of the box of chocolates are taken, then how many hundredths are left?



5 Count in hundredths.

0,  $\frac{1}{100}$ ,  $\frac{2}{100}$ ,  $\frac{3}{100}$ ,  $\frac{4}{100}$ ,  $\frac{5}{100}$ ,  $\frac{\square}{100}$ ,  $\frac{7}{100}$ ,  $\frac{8}{100}$ ,  $\frac{\square}{100}$ ,  $\frac{\square}{100}$ ,  $\frac{11}{100}$ ,  $\frac{12}{100}$ , ...

100



6 Count backwards in hundredths.

(a)  $\frac{12}{100}$ ,  $\frac{11}{100}$ ,  $\frac{10}{100}$ ,  $\frac{\square}{100}$ ,  $\frac{8}{100}$ ,  $\frac{7}{100}$ ,  $\frac{\square}{100}$ ,  $\frac{\square}{100}$ ,  $\frac{4}{100}$ ,  $\frac{3}{100}$ ,  $\frac{2}{100}$ ,  $\frac{1}{100}$ , 0, ...

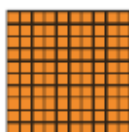
(b) 1,  $\frac{\square}{100}$ ,  $\frac{98}{100}$ ,  $\frac{97}{100}$ ,  $\frac{\square}{100}$ ,  $\frac{\square}{100}$ ,  $\frac{94}{100}$ ,  $\frac{93}{100}$ ,  $\frac{\square}{100}$ , ...

Can you count forwards and backwards in hundreds?



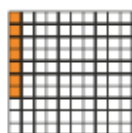
### Guided Practice

1 This is 1.

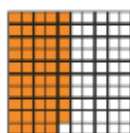


What number does each figure show?

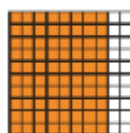
(a)



(b)



(c)



2 What are the missing numbers?



3 Complete the number patterns.

(a)  $\frac{32}{100}, \frac{33}{100}, \frac{34}{100}, \square, \square, \square, \frac{38}{100}, \dots$

(b)  $\frac{49}{100}, \frac{48}{100}, \frac{47}{100}, \frac{46}{100}, \square, \square, \square, \frac{42}{100}, \dots$

(c)  $\frac{71}{100}, \frac{69}{100}, \frac{67}{100}, \square, \frac{63}{100}, \square, \square, \frac{57}{100}, \dots$

(d)  $\frac{9}{100}, \frac{13}{100}, \frac{17}{100}, \square, \frac{25}{100}, \square, \square, \frac{37}{100}, \dots$

# Fractions

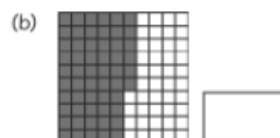
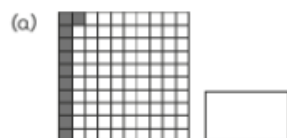
## Chapter 6

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

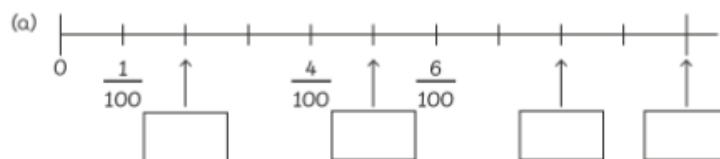
### Worksheet 1

#### Counting in Hundredths

1 What fraction of the block is shaded?



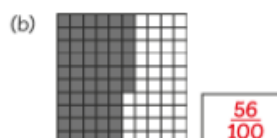
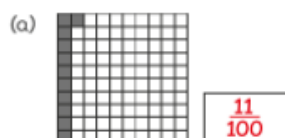
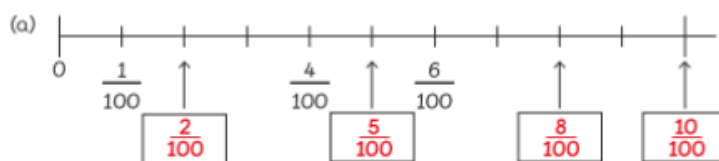
2 Fill in the blanks.



(b) ,  $\frac{19}{100}$ ,  $\frac{20}{100}$ ,  $\frac{21}{100}$ , ,  $\frac{23}{100}$ ,  $\frac{24}{100}$ ,

(c)  $\frac{89}{100}$ , ,  $\frac{85}{100}$ ,  $\frac{83}{100}$ , ,  $\frac{79}{100}$ , ,  $\frac{75}{100}$

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

**Worksheet 1****Counting in Hundredths****1** What fraction of the block is shaded?**2** Fill in the blanks.

(b)  $\frac{18}{100}$ ,  $\frac{19}{100}$ ,  $\frac{20}{100}$ ,  $\frac{21}{100}$ ,  $\frac{22}{100}$ ,  $\frac{23}{100}$ ,  $\frac{24}{100}$ ,  $\frac{25}{100}$

(c)  $\frac{89}{100}$ ,  $\frac{87}{100}$ ,  $\frac{85}{100}$ ,  $\frac{83}{100}$ ,  $\frac{81}{100}$ ,  $\frac{79}{100}$ ,  $\frac{77}{100}$ ,  $\frac{75}{100}$

## Challenge

### Always, Sometimes, Never?

Alex says,

If I split a shape into 4 parts, I have split it into quarters.



Explain your answer.

Which representations of  $\frac{4}{5}$  are incorrect?



$$\frac{4}{5}$$



Explain how you know.

# Challenge Answers

## Always, Sometimes, Never?

Alex says,

If I split a shape into 4 parts, I have split it into quarters.



Sometimes

If the shape is not split equally, it will not be in quarters.

Explain your answer.

Which representations of  $\frac{4}{5}$  are incorrect?



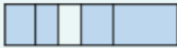
$\frac{4}{5}$



The image of the dogs could represent  $\frac{2}{5}$  or  $\frac{3}{5}$



The bar model is not divided into equal parts so this does not represent  $\frac{4}{5}$



Explain how you know.