Give me 5!

5489 + 6849 =

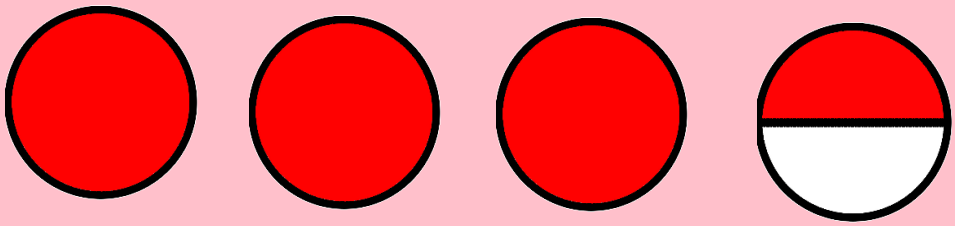
Write 4 and one quarter as a mixed number 4

6 x 8 =

3958 - 99 =

Divide 84 by 7 =

Think about what we did last lesson. What is a mixed number?



Can you write the mixed number that these image represents?

Showing Mixed Numbers on a Number Line

Lesson 3

In Focus

How many bars of chocolate can Ruby take?

What different combinations of dark chocolate can Ruby take?

What different combinations of milk chocolate can Ruby take?

Showing Mixed Numbers on a Number Line

Lesson 3

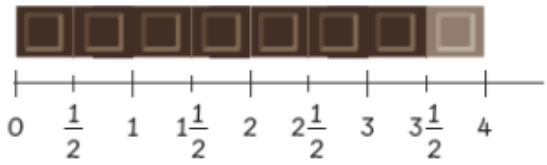
In Focus

How many bars of chocolate can Ruby take?

We can record the amount of chocolate taken by adding it to a number line.

Let's Learn

1



$3 + \frac{1}{2} = 3\frac{1}{2}$

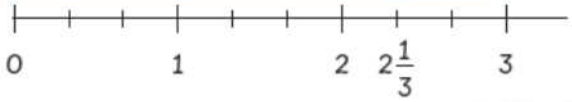
I take $3\frac{1}{2}$ bars of the dark chocolate.

$3\frac{1}{2}$ is a mixed number.

Count backwards in halves:
start from $3\frac{1}{2}$. $3\frac{1}{2}$, 3, ...

What fraction should we count in?
How do you know?

2



$2 + \frac{1}{3} = 2\frac{1}{3}$

$2\frac{1}{3}$ is a mixed number.

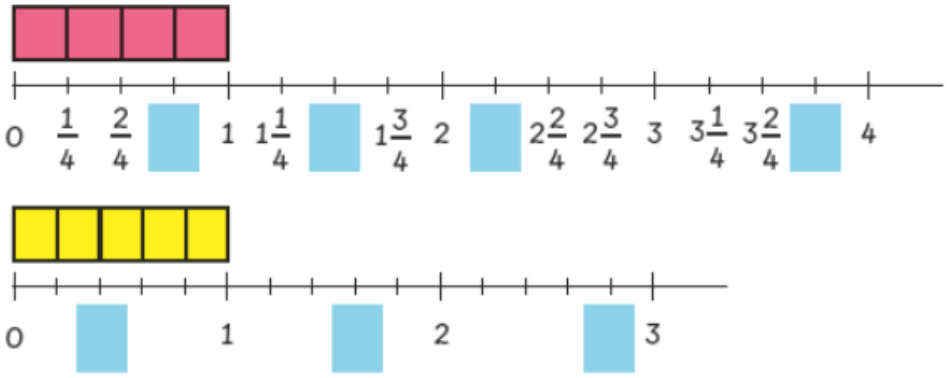
I take 2 and a third bars of the milk chocolate.

Count backwards in thirds: start from $2\frac{1}{3}$. $2\frac{1}{3}$, 2, ...

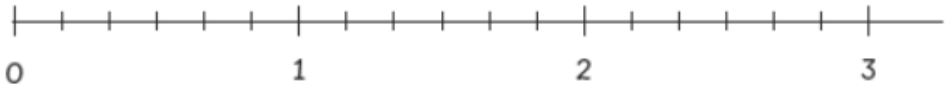
What is different about this number line?
Why does it have to be different from the one shown in number 1?
How much chocolate does Charles take?
How much does he leave?

Guided Practice

1 What are the missing numbers?



2 Show $1\frac{5}{6}$, $2\frac{1}{2}$, $2\frac{1}{3}$ and $1\frac{2}{3}$ on the number line.

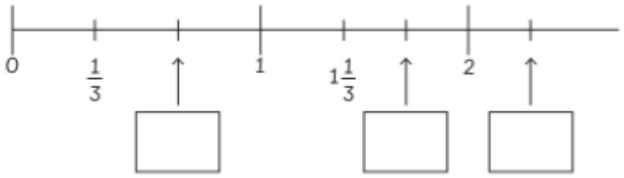


Worksheet 3

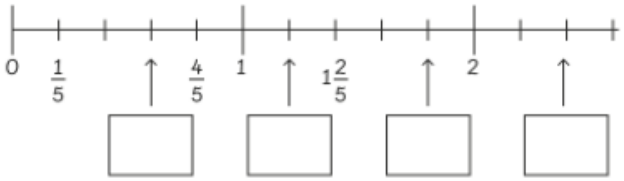
Showing Mixed Numbers on a Number Line

1 What are the missing numbers?

(a)

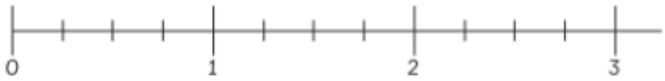


(b)

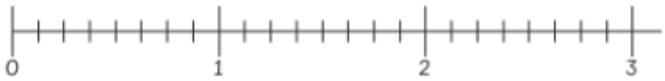


2 Show the following numbers on the number line.

(a) $1\frac{1}{2}$, $2\frac{3}{4}$, $2\frac{1}{2}$ and $1\frac{3}{4}$



(b) $1\frac{1}{8}$, $2\frac{1}{8}$, $2\frac{3}{8}$ and $1\frac{5}{8}$

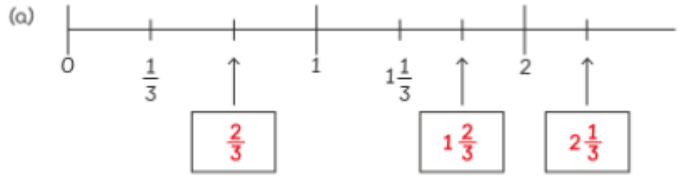


Answers

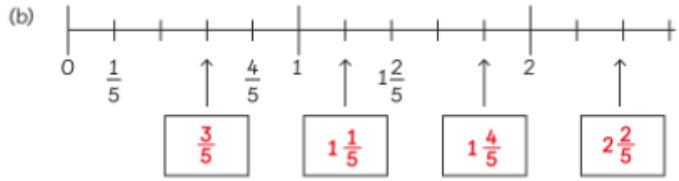
Showing Mixed Numbers on a Number Line

1 What are the missing numbers?

(a)



(b)



2 Show the following numbers on the number line.

(a) $1\frac{1}{2}$, $2\frac{3}{4}$, $2\frac{1}{2}$ and $1\frac{3}{4}$

(b) $1\frac{1}{8}$, $2\frac{1}{8}$, $2\frac{3}{8}$ and $1\frac{5}{8}$

Fractions Page 162

Challenge

Write these fractions in ascending order.

4	$4\frac{1}{2}$	2	$2\frac{1}{2}$	5	3	$1\frac{1}{2}$	$3\frac{1}{2}$	1

Complete the fraction number sequence and explain the pattern.

$10\frac{6}{7}$ $8\frac{6}{7}$ $6\frac{6}{7}$ $4\frac{6}{7}$ ☐

Mila is counting in sixths. Spot and correct her mistake.

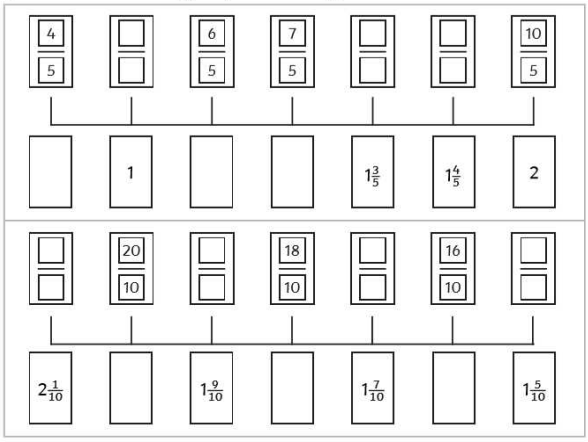
One sixth, two sixths, three sixths, four sixths, five sixths, six sixths, one whole, one whole and one sixth, one whole and two sixths...

Read the statement. Is it true or false? Prove it by drawing a number line.

$\frac{12}{5}$ comes after $2\frac{1}{5}$ because $2\frac{1}{5}$ is the same as $\frac{11}{5}$.

Complete the number lines by filling in the missing fractions and mixed numbers.

a)



b)