

Measuring Volume in Millilitres

In Focus



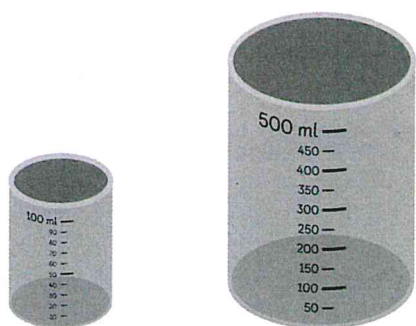
The volume of liquid in the jug is 1 litre.

The remaining three containers each contain less than 1 litre of liquid.

How can we find how much liquid there is in the remaining three containers?

Let's Learn

- 1 We measure volume with measuring beakers.



The beakers are marked in millilitres (ml).

The amount of water in a container is called the volume of water.



2

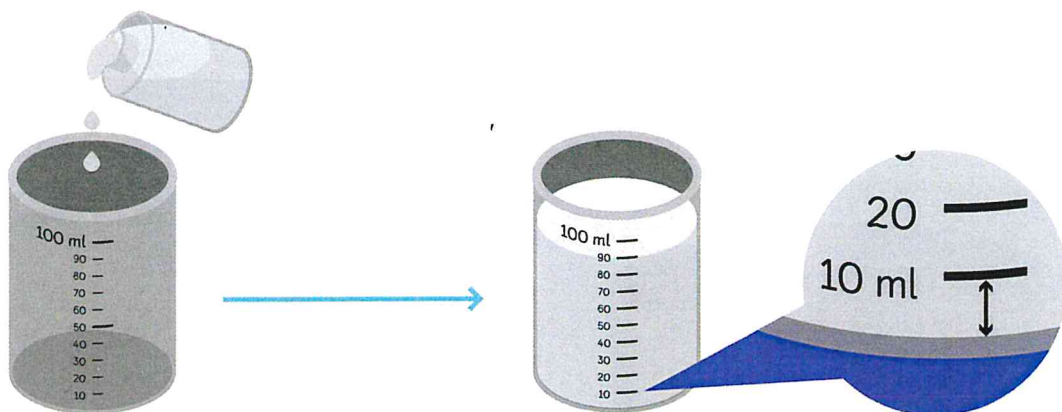


10, 20, 30, 40, 50,
60, 70, 80, 90, 100



This beaker measures up to 100 millilitres.
Each marking stands for 10 millilitres.

3



The volume of liquid in the beaker is about 90 millilitres.

Activity Time

Work in groups of 3.

- ① Fill the small beaker with any amount of water.
- ② Measure the volume of water in each group's beaker.
- ③ Arrange the beakers from each group in your class according to volume.

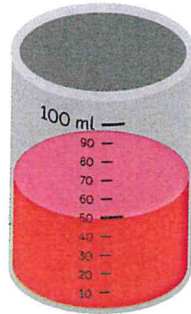
What you need:



Guided Practice

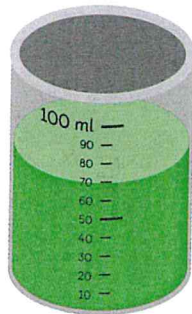
The beakers contain coloured water.
What is the volume of water in each beaker?

(a)



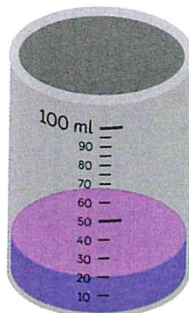
The volume of coloured water in the beaker is about millilitres.

(b)



The volume of coloured water in the beaker is about millilitres.

(c)



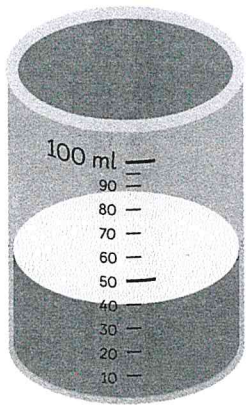
The volume of coloured water in the beaker is about millilitres.

Name: _____ Class: _____ Date: _____

Worksheet 1

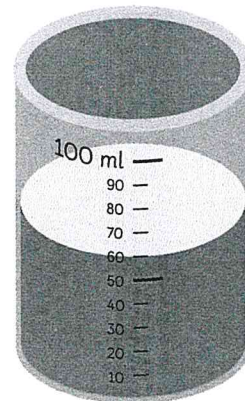
Measuring Volume in Millilitres

Find the volume of water in each beaker.

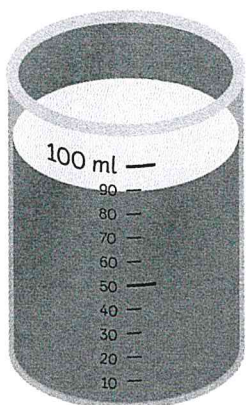


(a) The volume of water in the beaker is about millilitres.

(b) The volume of water in the beaker is about millilitres.



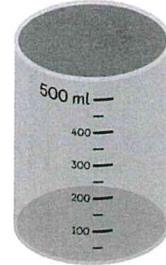
(c) The volume of water in the beaker is about millilitres.



Measuring Capacity in Millilitres

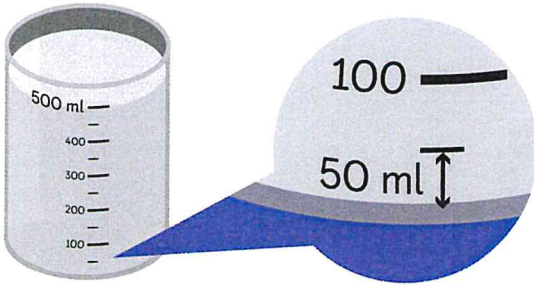
In Focus

How can we use this beaker to find out the amount of water the bottle can hold?



Let's Learn

1

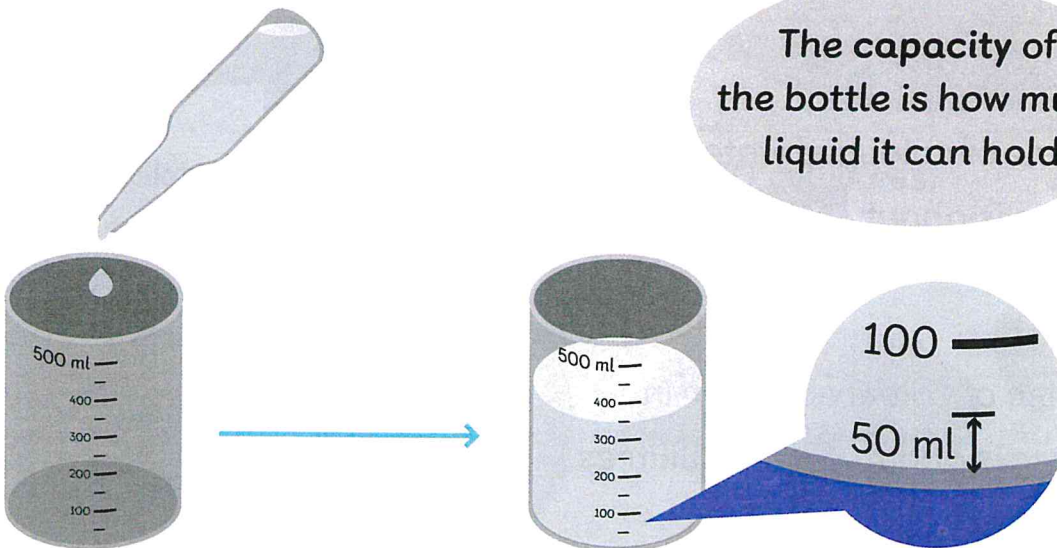


50, 100, 150, 200,
250, 300, 350,
400, 450, 500



This beaker measures up to 500 millilitres.
Each marking stands for 50 millilitres.

2



The capacity of
the bottle is how much
liquid it can hold.



The capacity of the bottle is about 350 millilitres.

Work in groups of 3.

What you need:



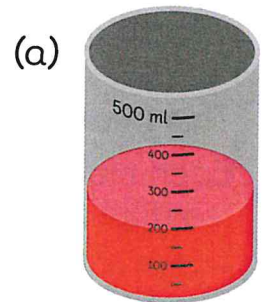
- ① Fill the small beaker with any amount of water.
- ② Measure the volume of water in each group's beaker.
- ③ Arrange the beakers from each group in your class according to volume.

Guided Practice

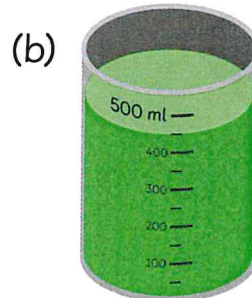
The beakers contain coloured water.

What is the volume of water in each beaker?

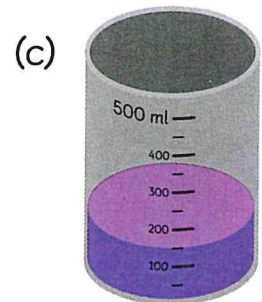
(a) The volume of coloured water in the beaker is about millilitres.



(b) The volume of coloured water in the beaker is about millilitres.



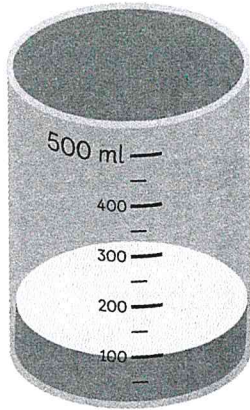
(c) The volume of coloured water in the beaker is about millilitres.



Worksheet 2

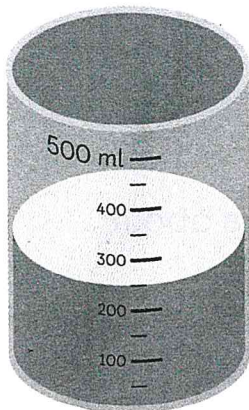
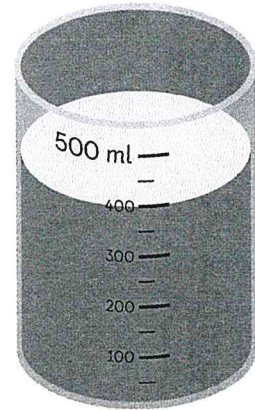
Measuring Capacity in Millilitres

Find the volume of water in each beaker.



- (a) The volume of water in the beaker is about millilitres.

- (b) The volume of water in the beaker is about millilitres.



- (c) The volume of water in the beaker is about millilitres.

Telling the Time

In Focus

Sam asked Ravi where he was at 9:30 and Ravi said he was in school.

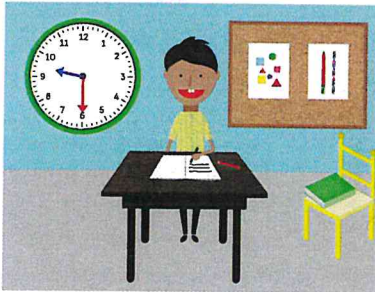
Later, he said he was at home at 9:30.

Could Ravi have been telling the truth?



Let's Learn

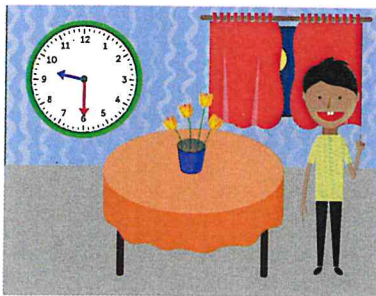
1



Ravi was in class at half past nine in the morning.
We write the time as **9:30 a.m.**

We use **a.m.** to tell the time from just after 12 midnight to just before 12 noon.

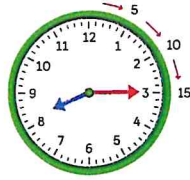
2



Ravi was at home at half past nine at night.
We write the time as **9:30 p.m.**

We use **p.m.** to tell the time from just after 12 noon to just before 12 midnight.

3

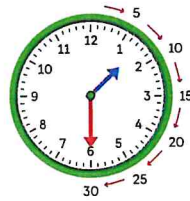


Sam brushes his teeth at 8:15 in the morning.
We write the time as **8:15 a.m.**

The hour hand
is just after 8.



4

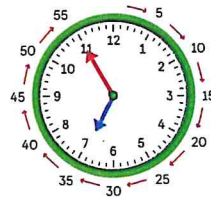


Emma finishes reading her book at 1:30 in the afternoon.
We write the time as 1:30 .

Where is the
hour hand?



5



The programme ends at 6:55 in the evening.
We write the time as 6:55 .




The hour hand
is almost at 7.



Play in pairs.

What you need:



- ① Choose a  card.
- ② Tell the time with your partner.
- ③ Tell your partner what you usually do at  a.m.
- ④ Tell your partner what you usually do at  p.m.
- ⑤ Switch roles, choose a new card and repeat ② to ④.

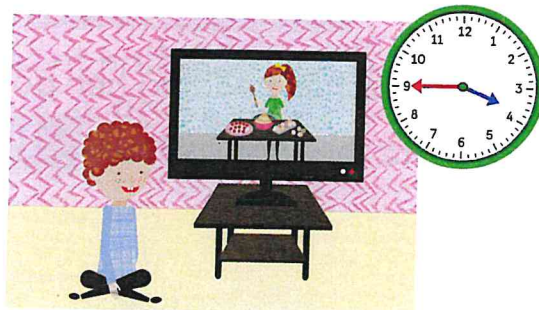
Guided Practice

Tell the time using a.m. or p.m.

(a)



(b)



(c)



(d)



Time

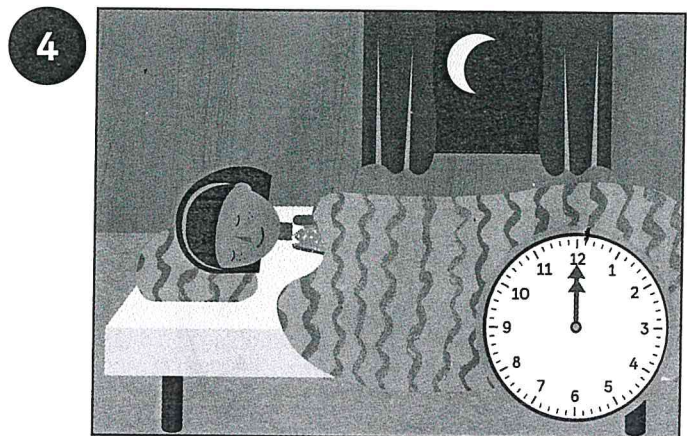
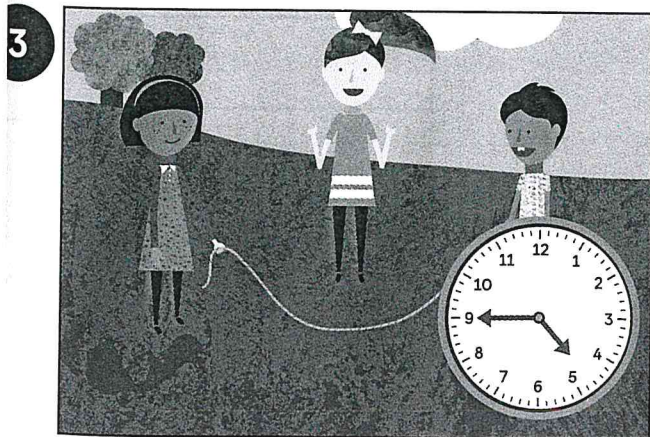
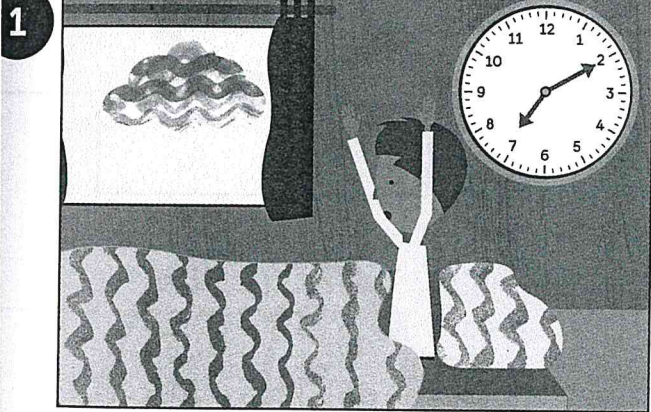
Chapter 9

Name: _____ Class: _____ Date: _____

Worksheet 1

Telling the Time

Tell the time using **a.m.** or **p.m.**




Telling the Time

In Focus



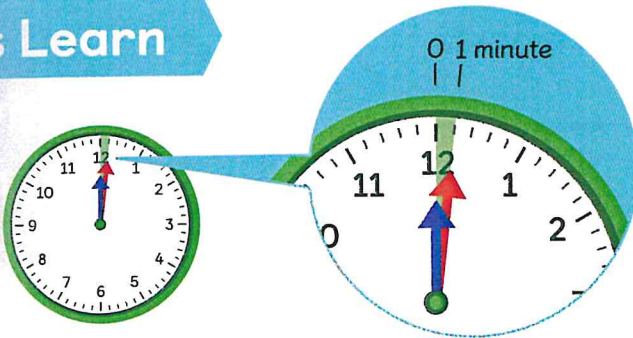
What time does the clock show?

Using a ,
turn the minute hand to
show one hour. What do
you notice about the
hour hand?



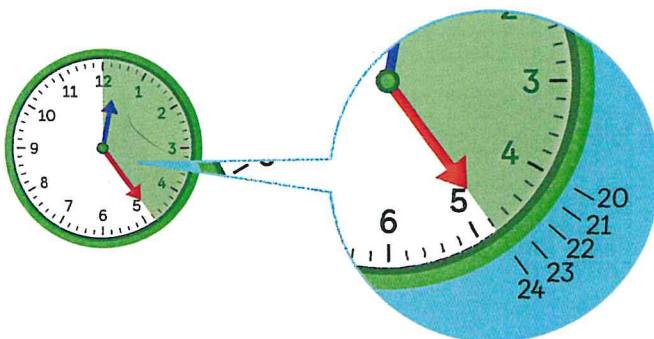
Let's Learn

1



Each small marking on the clock face stands for 1 minute.
The minute hand shows 1 minute after the hour, so the time is 12:01.

2



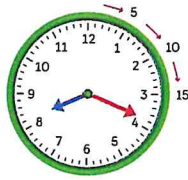
The time is .

We can count
on in fives.

The train is arriving at 12:24
in the afternoon.
Should we use a.m. or p.m.?



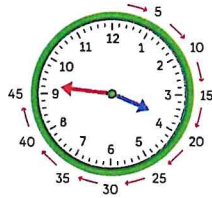
3



The flight arrived at

a.m.

4



The bus arrived at

p.m.

Activity Time

Work in groups of 4.

What you need:

- ① Everyone wears a 'watch' with different times .
- ② Ask someone in the group the time his/her watch shows.
- ③ Instead of telling you the time, that person shows you his or her watch.
- ④ Record their name and the time the watch shows.
- ⑤ Repeat ② to ④ with another person in the group.

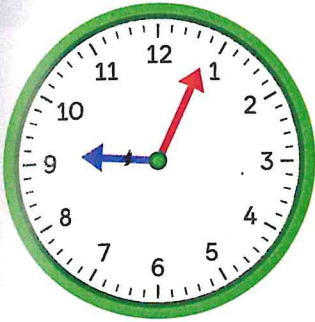
name	time



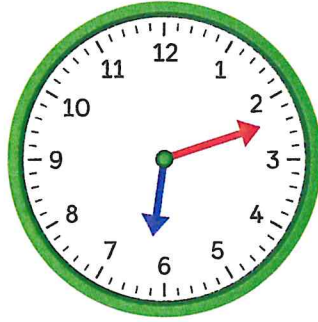
Guided Practice

Write the time.

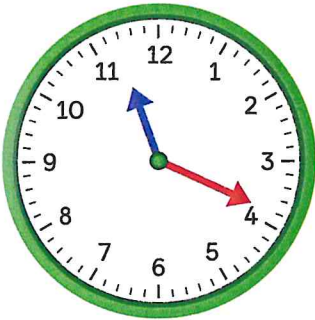
(a)



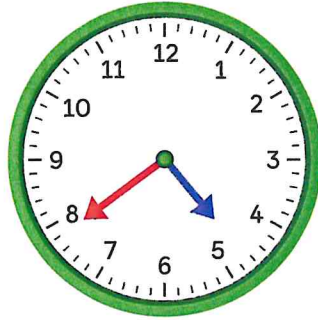
(b)



(c)



(d)



What do we need to do to tell time to the minute?

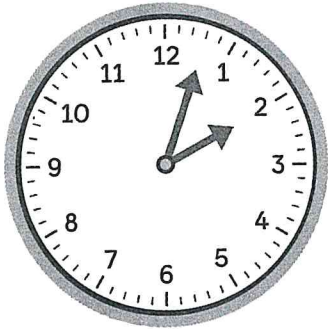
Name: _____ Class: _____ Date: _____

Worksheet 2

Telling the Time

What time is shown?

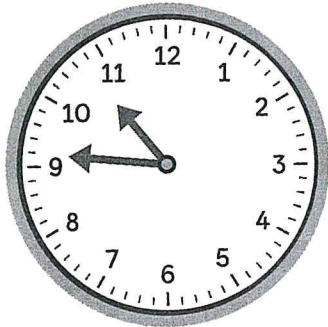
(a)



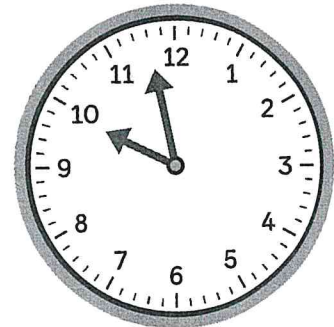
(b)



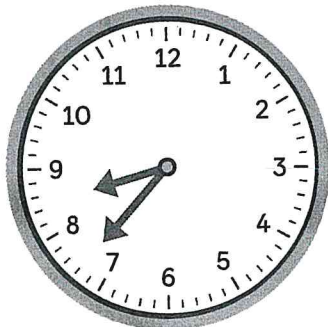
(c)



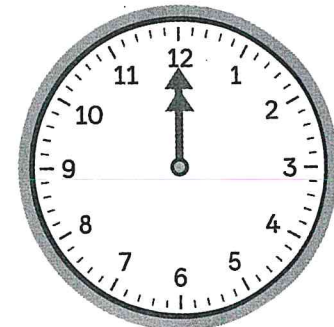
(d)



(e)

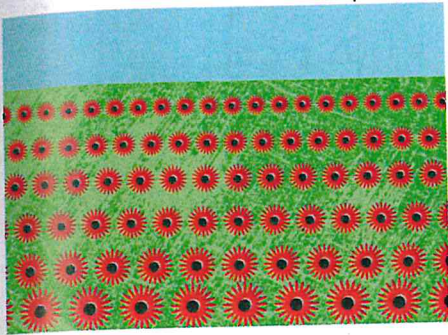


(f)

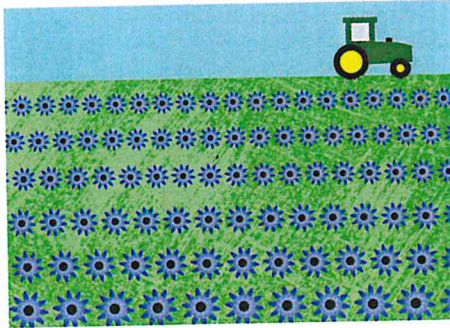


Simple Adding

In Focus



432 flowers




521 flowers

How many flowers are there altogether?

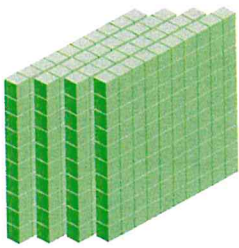


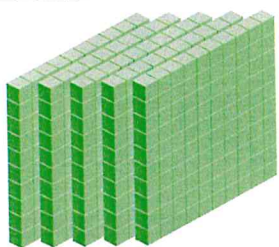
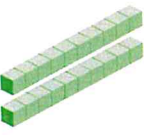

Let's Learn

Add 432 and 521.

Step 1 Add the ones.
2 ones + 1 one = 3 ones

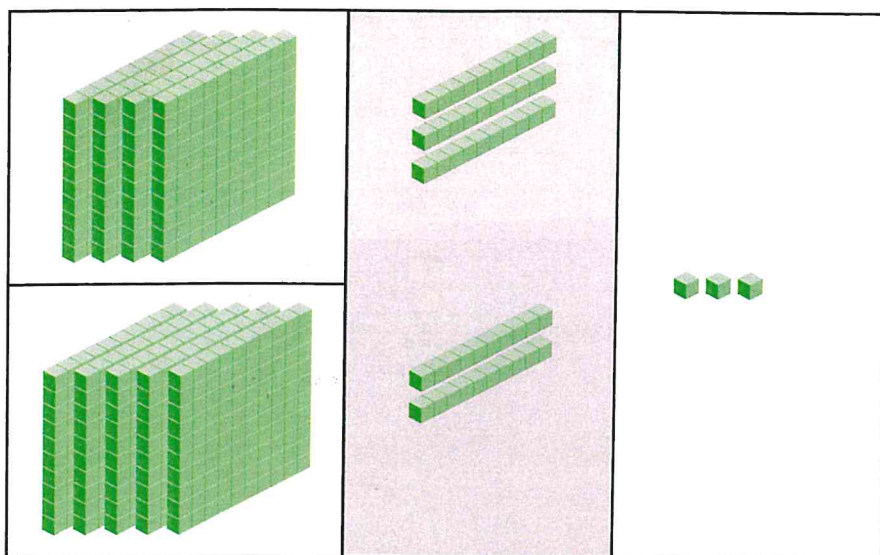
Use  to help you add.



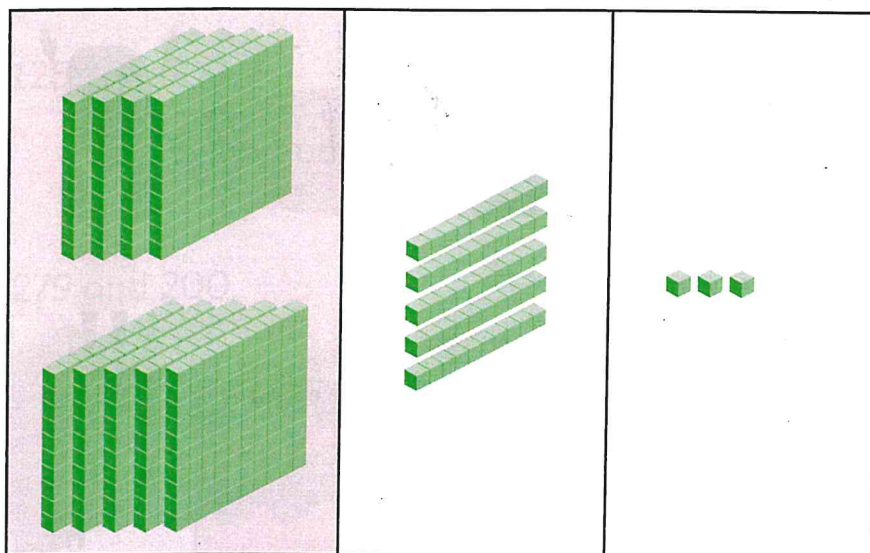
	h	t	o
	4	3	2
+	5	2	1
<hr/>			3
<hr/>			

Step 2 Add the tens.
 $3 \text{ tens} + 2 \text{ tens} = 5 \text{ tens}$



	h	t	o
	4	3	2
+	5	2	1
	9	5	3

Step 3 Add the hundreds.
 $4 \text{ hundreds} + 5 \text{ hundreds} = 9 \text{ hundreds}$



	h	t	o
	4	3	2
+	5	2	1
	9	5	3

$$432 + 521 = 953$$

There are 953 flowers altogether.

Guided Practice

Add.

1 (a) $153 + 2 =$

(b) $153 + 20 =$

(c) $153 + 200 =$

3 (a) $325 + 14 =$

	h	t	o
	3	2	5
+		1	4
<div style="display: flex; justify-content: space-around; width: 100%;"> <div style="width: 30px; height: 20px; background-color: #add8e6;"></div> <div style="width: 30px; height: 20px; background-color: #add8e6;"></div> <div style="width: 30px; height: 20px; background-color: #add8e6;"></div> </div>			

(c) $457 + 432 =$

	h	t	o
	4	5	7
+	4	3	2
<div style="display: flex; justify-content: space-around; width: 100%;"> <div style="width: 30px; height: 20px; background-color: #add8e6;"></div> <div style="width: 30px; height: 20px; background-color: #add8e6;"></div> <div style="width: 30px; height: 20px; background-color: #add8e6;"></div> </div>			

(e) $31 + 448 =$

	h	t	o
	<input type="text"/>	<input type="text"/>	<input type="text"/>
+	<input type="text"/>	<input type="text"/>	<input type="text"/>
<div style="display: flex; justify-content: space-around; width: 100%;"> <div style="width: 30px; height: 20px; background-color: #add8e6;"></div> <div style="width: 30px; height: 20px; background-color: #add8e6;"></div> <div style="width: 30px; height: 20px; background-color: #add8e6;"></div> </div>			

2 (a) $214 + 3 =$

(b) $214 + 30 =$

(c) $214 + 300 =$

(b) $236 + 543 =$

	h	t	o
	2	3	6
+	5	4	3
<div style="display: flex; justify-content: space-around; width: 100%;"> <div style="width: 30px; height: 20px; background-color: #add8e6;"></div> <div style="width: 30px; height: 20px; background-color: #add8e6;"></div> <div style="width: 30px; height: 20px; background-color: #add8e6;"></div> </div>			

(d) $500 + 171 =$

	h	t	o
	5	0	0
+	1	7	1
<div style="display: flex; justify-content: space-around; width: 100%;"> <div style="width: 30px; height: 20px; background-color: #add8e6;"></div> <div style="width: 30px; height: 20px; background-color: #add8e6;"></div> <div style="width: 30px; height: 20px; background-color: #add8e6;"></div> </div>			

(f) $605 + 384 =$

	h	t	o
	<input type="text"/>	<input type="text"/>	<input type="text"/>
+	<input type="text"/>	<input type="text"/>	<input type="text"/>
<div style="display: flex; justify-content: space-around; width: 100%;"> <div style="width: 30px; height: 20px; background-color: #add8e6;"></div> <div style="width: 30px; height: 20px; background-color: #add8e6;"></div> <div style="width: 30px; height: 20px; background-color: #add8e6;"></div> </div>			

Name: _____ Class: _____ Date: _____

Worksheet 5

Simple Adding

1 Fill in the blanks.

(a) $253 + 2 =$

(b) $542 + 4 =$

(c) $253 + 20 =$

(d) $542 + 40 =$

(e) $253 + 200 =$

(f) $542 + 400 =$

2 Match.

$394 + 200$ ●

● 299

$50 + 345$ ●

● 368

$268 + 31$ ●

● 572

$111 + 257$ ●

● 395

$400 + 138$ ●

● 594

$272 + 300$ ●

● 538

3 Add.

(a)

	h	t	o
	2	5	9
+	3	1	0
<hr/>			
<hr/>			

(b)

	h	t	o
	1	3	7
+	5	2	1
<hr/>			
<hr/>			

(c)

	h	t	o
	8	4	6
+		5	3
<hr/>			
<hr/>			

(d)

	h	t	o
	6	7	8
+	2	0	1
<hr/>			
<hr/>			

(e)

	h	t	o
	4	5	6
+	3	2	1
<hr/>			
<hr/>			

(f)

	h	t	o
	3	4	6
+	6	5	2
<hr/>			
<hr/>			