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This shows us what page to turn to.



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The first page of a lesson is a maths problem. Don't look at the next page until you have had a go! The third and fourth pages give you practice, so you can check your understanding.



## Measuring weight

### Discover




- 1 a) Hiro places one more .  
Now the book balances the 10 .



Who is correct?

- b) Why does Lucy need fewer cubes than Hiro?

### Share

- a) There were 9 .



Hiro adds one more .

The book balances 10 .



I know Joe is wrong.  
You cannot measure if the cubes are different sizes.



Hiro is correct.

- b) Lucy uses different cubes to **weigh** the book.


 are heavier than .



Lucy uses heavier cubes, so she does not need as many to balance the book.

# Lesson 1

## Measuring weight

1 How much does the  weigh?

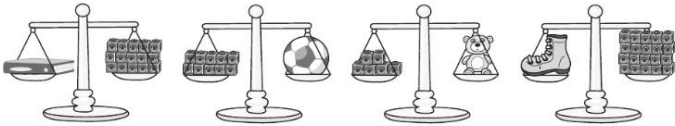





 weighs  .

 weighs  .

 weighs  .

2 Complete the table.




Object	Weight in 
	
	20
	10

3 How many marbles do you need to balance the scales?



$$\square + \square = \square$$

marbles are needed to balance the scales.

4 Draw cubes to balance each scale. 

$$\bullet = 3 \square$$

$$\square = 2 \square$$

$$\triangle = 5 \square$$

$$\text{rod} = 4 \square$$



## Comparing capacity

### Discover



**1** a) Which of these does Molly want?




b) Which  is **full**?

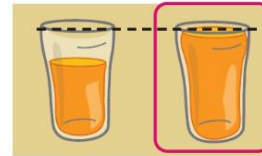
Which  is **empty**?


### Share

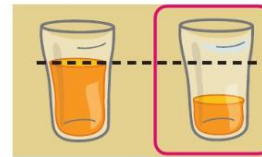
a)


I compared the glasses by looking for the level of squash.

Molly wants less than .



This glass has more than .



This glass has less than .

Molly wants this glass.

b)



This glass is full.




This glass is empty.






# Lesson 2

## Comparing capacity

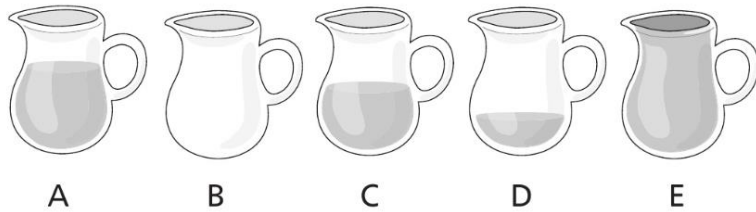
1 Complete the sentences with the words 'full' or 'empty'.

a)  is \_\_\_\_\_ .

b)  is \_\_\_\_\_ .

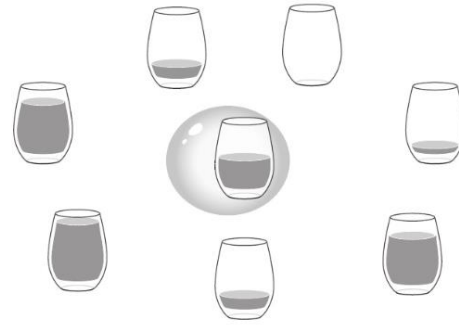
c)  is \_\_\_\_\_ .  
 is \_\_\_\_\_ .

2 Put these in order, from full to empty.



Full Empty

3 Circle the glasses that have less juice than the glass in the bubble.



4 Draw the right level of drink for each child. 

Draw 2 possible answers for each child.



I want a drink that is more than  .



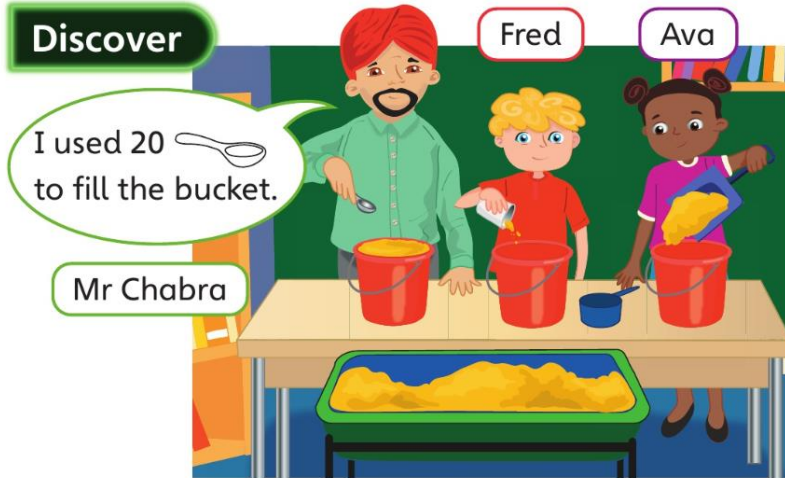



I want a drink that is more than  but less than  .



## Measuring capacity

### Discover




I used 20  to fill the bucket.

Mr Chabra

- 1 a) Choose the correct answer to complete the sentences.

10  /  filled the bucket.

3  /  filled the bucket.










- b) Mr Chabra estimates that it will take 3  to fill the bucket.  
fill the bucket.

Ava estimates 12  . Fred estimates 6  .


Who is correct?

### Share

**Capacity** means how much a container can hold.





- a)
-   20  fill the bucket.
-   10  fill the bucket.
-   3  fill the bucket.



We can say the bucket has a capacity of 10  .

So, the bucket has a capacity of 3  .



- b)
-  holds less than  .
-  holds more than  .

Mr Chabra estimates 3  to fill the bucket, but that is too few.

Ava estimates 12  , but that is too many.

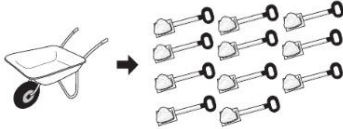


Fred is correct.

Lesson 3







# Measuring capacity

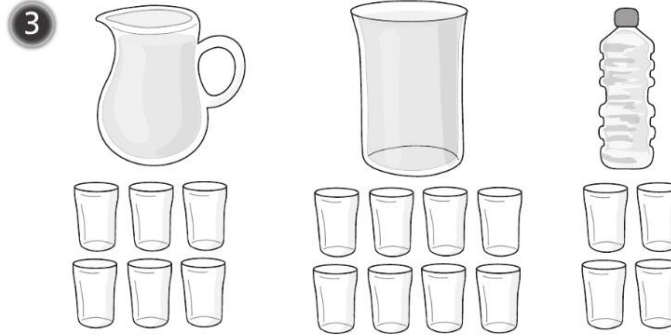
1 Complete each sentence.

a)  The jug holds   .



b)    fill the  .



2 Complete the table.

Object	Capacity
	<input type="text"/> 
	<input type="text"/> 
	<input type="text"/> 



How many  of water are poured into the pan?

a)   $\square + \square = \square$   
  of water are poured into the pan.

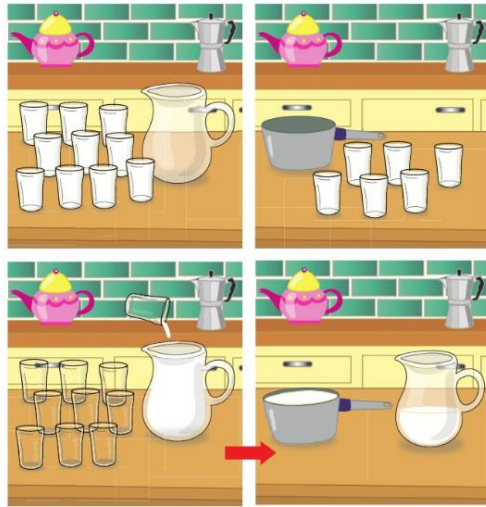
b)   $\square + \square = \square$   
  of water are poured into the pan.

## Solving problems – weight and capacity

### Discover



The jug holds 10 glasses.

The pan holds 6 glasses.




**1** a) How many  are there left in the jug?



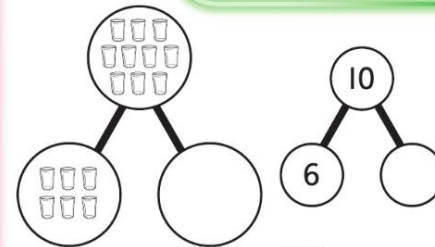
b) How many  will there be in the  ?

### Share

I know that there were 10  in the jug when we started. Then some was poured out.




a)



This is a subtraction. I will break the whole into two parts.



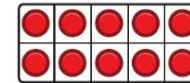
There were 10  in the jug.

6 glasses fill the .

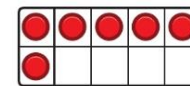
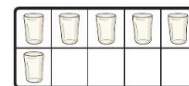
$$10 - 6 = 4$$


There are 4  left in the jug.

b)



10  in the jug.



6  in the pan.

$$10 + 6 = 16$$


There will be 16  in the .



Lesson 4

Solving problems – weight and capacity



a) How much is left in the  each time?




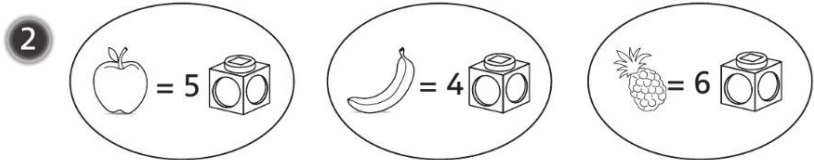
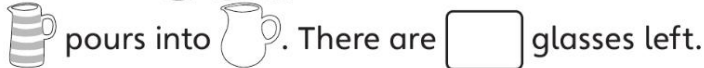
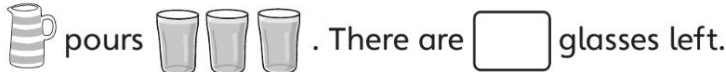
$8 - \square = \square$






$\square - \square = \square$









b) How much is left in the  ?



How much does  weigh in  each time?

a)     =   
 weighs   .

b)     =   
 weighs   .

c)     =   
 weighs   .