

Compare capacity

- 1 Put these glasses in order of the amount of water they contain.
Start with the least amount of water.



B

D

A

C

least

most

- 2 In each pair, circle the object that holds the most water.

a)

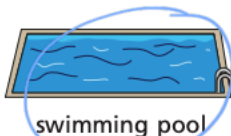


kettle

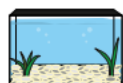


bath

b)



swimming pool



fish tank

c)



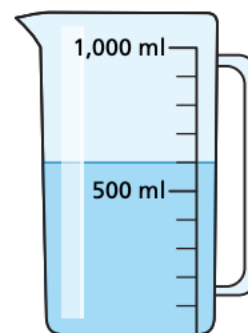
tablespoon



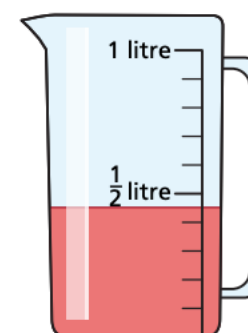
mug

- 3 Here are two jugs.

A



B



- a) What is the volume of liquid in jug A?

600 ml

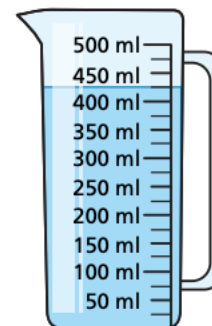
- b) What is the volume of liquid in jug B?

450 ml

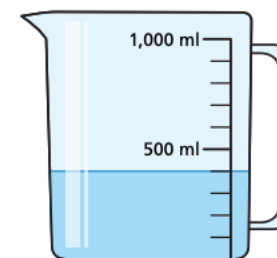
- c) How do you know that the capacity of each jug is the same?

- 4 Which measuring container has the most liquid?

A



B



Container A has the most liquid.

Explain your answer.

5

300 ml is greater than 1 litre because 300 is greater than 1



Do you agree with Alex? No

Explain your answer.



6

Here is the capacity of four different containers.

A

400 ml

B

99 ml

C

3 litres 400 ml

D

2 litres

Put the containers in order of capacity.

Start with the smallest capacity.

B

A

D

C

least

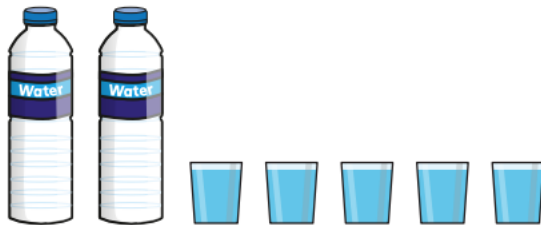
most

7

Esther is comparing the capacity of different containers.

a) Esther has two bottles of water.

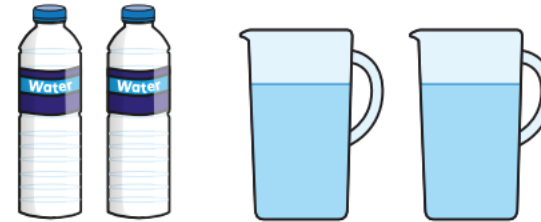
She pours them into some glasses.



Which holds more water – a bottle or a glass? bottle

b) Esther has two more bottles of water.

She pours them into two jugs.



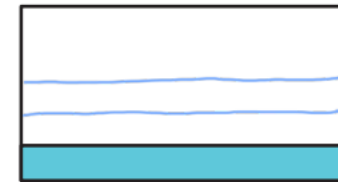
Which holds more water – a jug or a bottle? jug

8

Jack has three jugs of water.



He pours one jug of water into a large container.



He then pours the other jugs of water in.

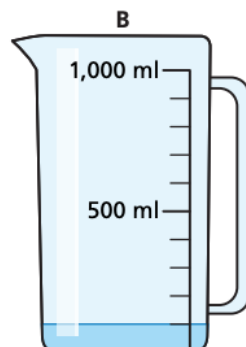
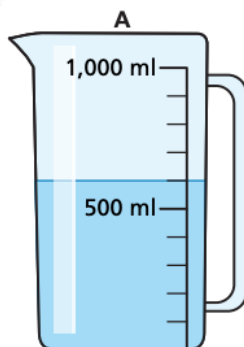
Draw a line on the container to show where the water will reach.



Add and subtract capacity



- 1 Brett has some jugs of water.



- a) How much water is in jug A? 600 ml
- b) How much water is in jug B? 100 ml
- c) Brett pours the water from jugs A and B into jug C.
What is the total amount of water in jug C? 700 ml

- 2 Kim has some bottles of juice.



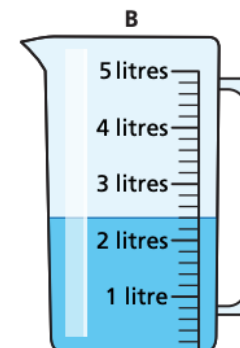
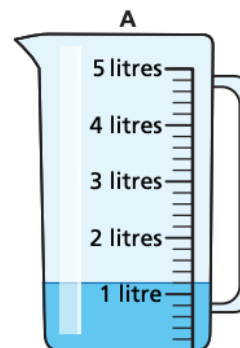
- a) How much juice does she have altogether? 6 l

- b) She pours all the juice into a jug.

Draw a line on the jug to show how much juice there is.



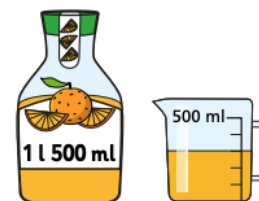
- 3 Mo has two jugs of water.



How much water does Mo have in total?

Mo has 3 litres and 600 ml

- 4 Dani has 1 litre 500 ml of juice in a bottle.
She pours some of the juice into a jug.



How much juice is in the bottle now? 1 l 200 ml

- 5 A fish tank has 3 litres 700 ml of water in it.
The capacity of the fish tank is 4 litres 900 ml.
How much more water can fit in the fish tank?

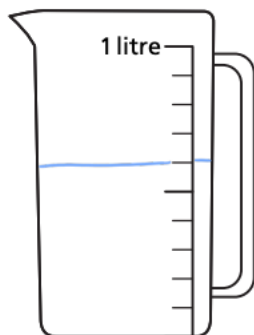
1 l 200 ml

- 6 A carton holds 200 ml of milk.
A bottle holds 300 ml of milk.



- a) Three milk cartons are emptied into a jug.

Draw a line on the jug to show how much milk there is.



- b) How many bottles can be filled by the milk in the jug?

2 bottles

- 7 Complete the number sentences.

a) $1 \text{ l } 400 \text{ ml} + 3 \text{ l } 150 \text{ ml} = 4 \text{ l } 550 \text{ ml}$

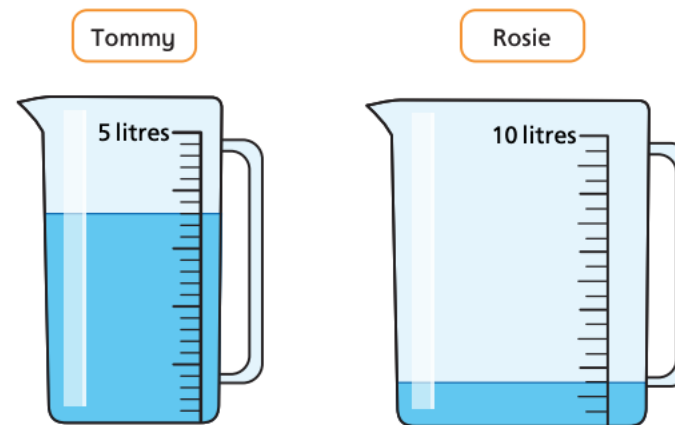
b) $7 \text{ l } 950 \text{ ml} + 2 \text{ l } 12 \text{ ml} = 9 \text{ l } 962 \text{ ml}$

c) $25 \text{ l } 350 \text{ ml} - 11 \text{ l } 220 \text{ ml} = 14 \text{ l } 130 \text{ ml}$

d) $50 \text{ l } 729 \text{ ml} - 28 \text{ l } 728 \text{ ml} = 22 \text{ l } 1 \text{ ml}$

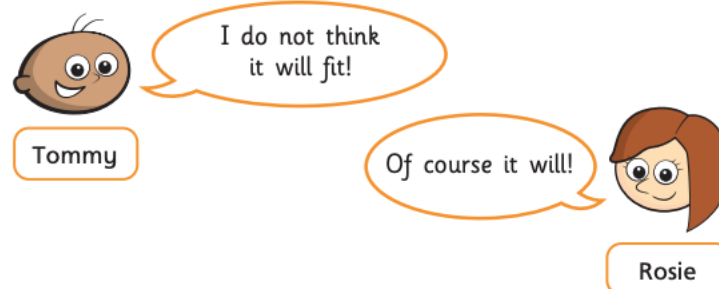
e) $1 \text{ l} - 700 \text{ ml} = 300 \text{ ml}$

- 8 Tommy and Rosie each have a measuring jug with some water inside.



They want to put all their water into one jug.

Rosie decides to pour her water into Tommy's jug.






































Who is correct? Tommy


Talk about it with a partner.

Pictograms



- 1 The pictogram shows the number of ice creams sold each day.

Day	Number of ice creams sold
Monday	   
Tuesday	 
Wednesday	      
Thursday	 
Friday	   
Saturday	         
Sunday	     

Key  = 5 ice creams

- a) On which day were the most ice creams sold?

Saturday

- b) On which two days were 20 ice creams sold?

Monday & Friday

- c) How many ice creams were sold on Thursday?

10

- d) How many more ice creams were sold on Friday than Thursday?




















10

- e) More ice creams were sold in total on Saturday and Sunday than during the rest of the week.

Do you agree? No

Show your workings.

- 2 The pictogram shows the colour of cars parked in a car park.

Colour	Number of cars in car park
Red	    
Blue	    
White	      
Yellow	 

Key  = 2 cars

- a) How many parked cars are red?

10

- b) How many parked cars are blue?

9

- c) How many cars are parked in total?

36

- d) Write a question about the pictogram.

Various answers.

Can a partner answer your question?

- 3 Class 3 are asked how many pets they have.

Here are the results.

Children with 0 pets	8
Children with 1 pet	14
Children with 2 pets	9
Children with 3 or more pets	2

- a) Eva starts a pictogram to show the results.
Complete the pictogram and the key.

Key  = 2 pets

Pets	
0 pets	
1 pet	
2 pets	
3 or more pets	

- b) How did you know what value to choose for the key?

- 4 Amir wants to use a pictogram to represent this data.






	Minutes spent on the bus
Monday	60
Tuesday	20
Wednesday	50
Thursday	50
Friday	80

- a) What symbol could Amir use? Draw a key to show what each symbol represents.

Various answers e.g

 = 10 minutes

- b) Draw the pictogram for Amir.

				
Monday	Tuesday	Wednesday	Thursday	Friday

- c) Compare pictograms with a partner.

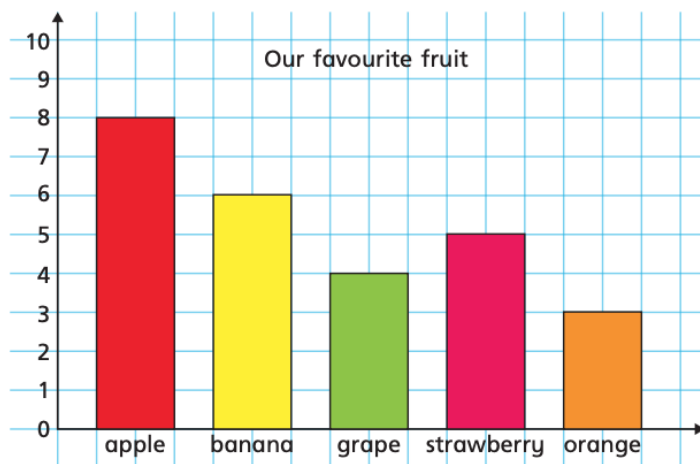
What is the same and what is different?

Bar charts



- 1 All the children in Class 3 choose their favourite fruit.

The bar chart shows the results.



Use the bar chart to answer the questions.

- a) What is the most popular fruit? apple

- b) How can you tell just by looking?

It's got the tallest bar.

- c) What is the least popular fruit? orange

- d) How many more children like apples best than like grapes best?

4

- e) How many children are there in Class 3?

26

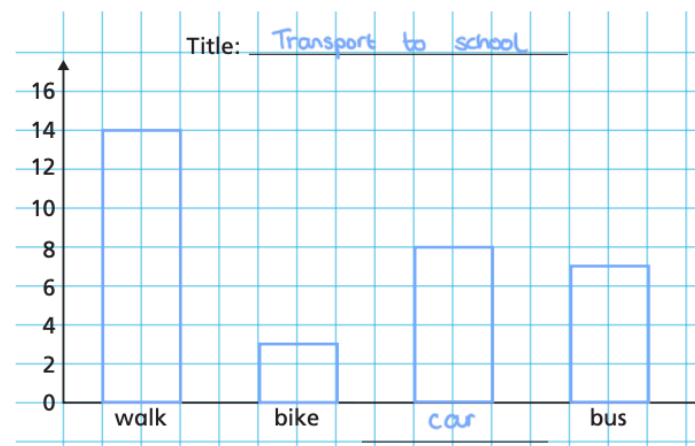
- 2 Some children are asked how they get to school.

The tally chart shows the results.

Method	Tally	Total
Walk		14
Bike		3
Car		8
Bus		7

- a) Complete the chart.

- b) Draw a bar chart to represent the data.



- c) Which chart do you prefer? Tick your answer.





































tally chart ☐

bar chart ☐

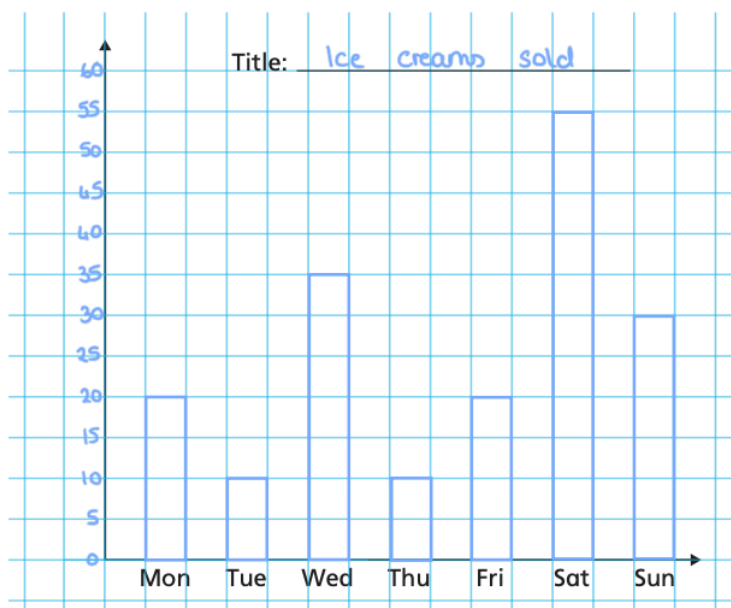
various answers.

What are your reasons?

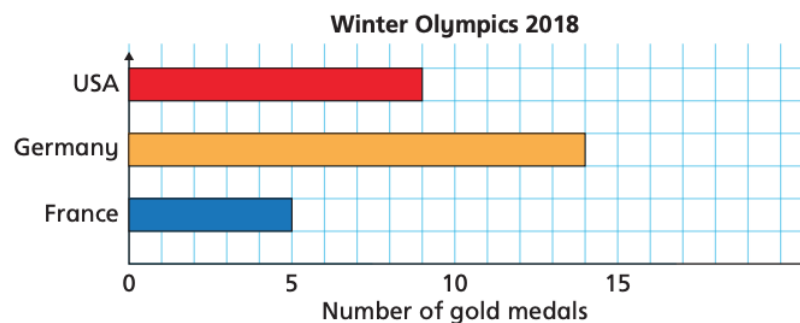
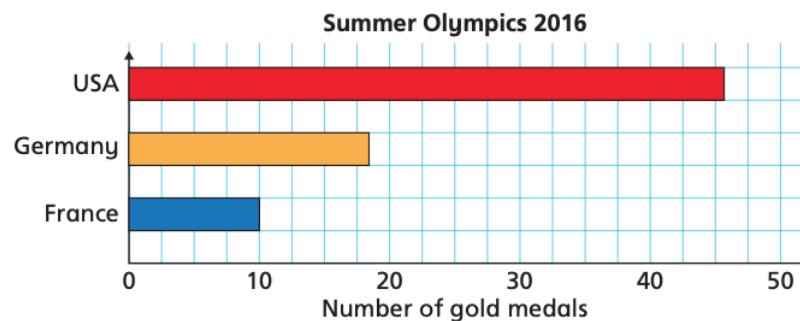
- 3 The pictogram shows the number of ice creams sold each day.

Day	Number of ice creams sold	Key  = 5 ice creams
Monday	   	
Tuesday	 	
Wednesday	      	
Thursday	 	
Friday	   	
Saturday	         	
Sunday	     	

Draw a bar chart to represent this data.



- 4 The bar charts show the number of gold medals won by some countries in the Summer and Winter Olympics.



- a) Germany won more medals at the Winter Olympics than the Summer Olympics as the bar is longer.



Is Mo correct? No

How do you know?

- b) Which country won the most medals in total?

USA