Compare lengths, heights, weights and capacities	Component 6	Entry 1.1

Name ……...

1 Look at the arrows shown below.

A 

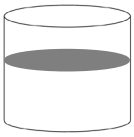
B 

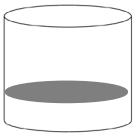
C 

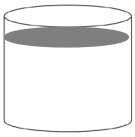
a) Which is the shortest arrow? …….

b) Which is the longest arrow? …….

2 Look at the pots of water.

A 

B 

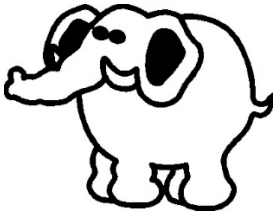
C 

a) Which pot has the most water in it? …….

b) Which pot has the least water in it? …….

3 For each of the following circle the correct word.

a)  is lighter / heavier than 

b)  is shorter / taller than 

4 Draw a line longer than the line shown.

Give the length of a line drawn on a centimetre grid	Component 6	Entry 1.2

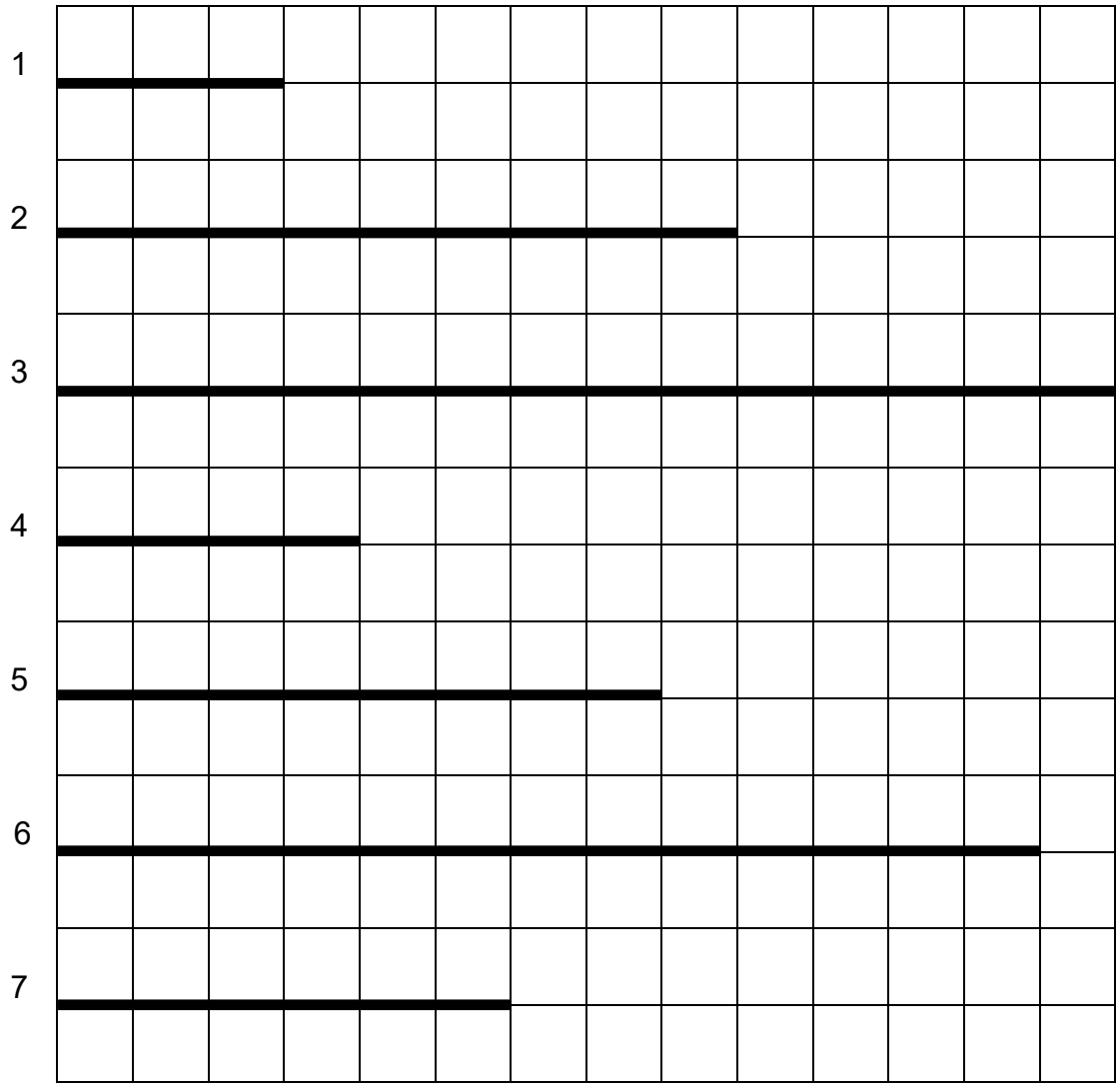
Name ……..

Write down the length of each of the lines.

1 …… = cm 2 …… = cm 3 …… = cm

4 …… = cm 5 …… = cm 6 …… = cm

7 …… = cm

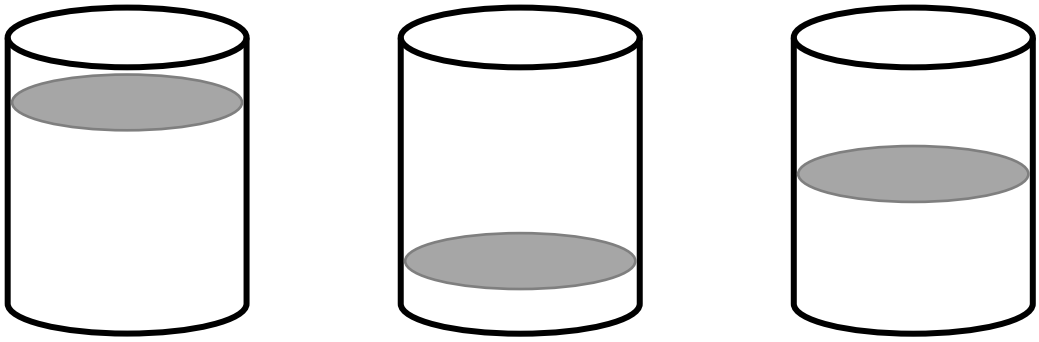


1.2

Describe capacity in fractions	Component 6	Entry 1.3

Name ……...

1 Look at the pots of water.

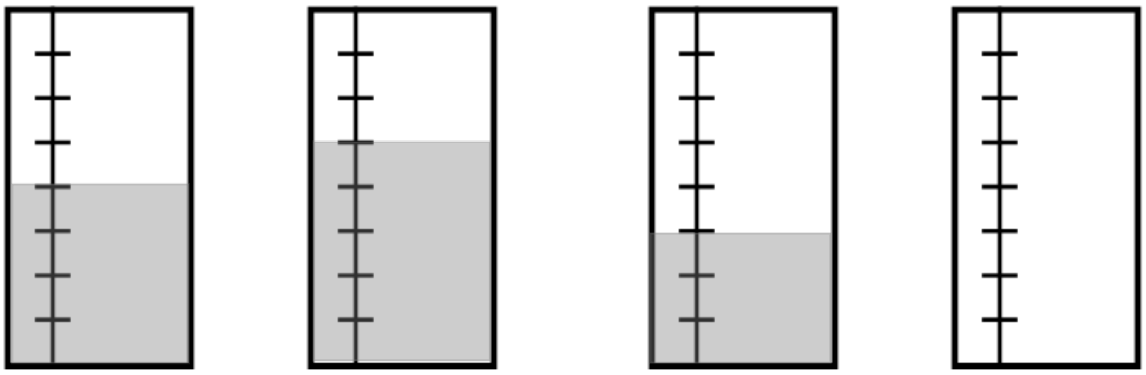


A B C

a) Which pot is more than half full? ……

b) Which pot is half full? ……

2 Look at the containers below.



A B C D

a) Shade container D so that it is **more than** half full.

b) Which container is **less than** half full? ……

c) Which container is half full? ……

Choose appropriate standard units of length, capacity and weight	Component 6	Entry 2.1

Name ……..

Look at the units of measurement shown in the box below.

mm	cm	m	km	g	kg	ml	cl	l

State the unit would you use to measure each of the following.

1 The length of a pen _____

2 The length of a bus _____

3 The weight of an apple _____

4 The capacity of a small carton of juice _____

5 The amount of water in a swimming pool _____

6 The weight of a cat _____

7 The height of a block of flats _____

8 The length of a spiders leg _____

9 The capacity of a small spoon _____

10 The length of a motorway _____

Compare and order lengths, capacities and weights in the same units.	Component 6	Entry 2.2

Name ……...

1 Write each list of measures in order, starting with the smallest.

a) 5 mm 15 mm 8 mm 20 mm

---

b) 50 g 75 g 25 g 57 g

---

c) 30 ml 23 ml 32 ml 2 ml

---

d) 18 kg 8 kg 88 kg 80 kg

---

2 In each list, circle the largest measure.

a) 50 cl 5 cl 15 cl 25 cl

b) 80 cm 75 cm 8 cm 88 cm

c) 42 g 24 g 44 g 4 g

d) 30 m 28 m 31 m 3 m

Select a possible length, capacity or weight for a given item	Component 6	Entry 2.3

Name ……...

Circle the correct measure for each item.

1	A small bag of crisps	30 g	or	3 kg
2	The length of a finger	9 mm	or	9 cm
3	The amount of water in a full bucket	5 litres	or	5 cl
4	The length of a tennis court	90 cm	or	24 m
5	The capacity of a table spoon	15 ml	or	75 cl
6	The distance from Manchester to Bolton	85 m	or	25 km
7	The weight of an egg	65 g	or	6 kg
8	The weight of a mobile phone	100 g	or	1 kg
9	The thickness of a coin	2 mm	or	20 cm
10	The screen width of a tablet	25 mm	or	15 cm

Measure or draw a length using a ruler	Component 6	Entry 2.4

Name ……..

1 Measure each of the following lines, in cm.

a) ……cm

b) ……cm

c) ……cm

d) ……cm

2 Measure each of the following lines, in mm.

a) ……mm

b) ……mm

c) ……mm

3 Draw lines of the following lengths

a) 7 cm

b) 33 mm

c) 8.5 cm

2.4		1.2	

Estimate the weight, capacity or length of given items	Component 6	Entry 2.5

Name ……...

1 Use the measures in the box to estimate the following.

5 ml	5 kg	1.9 m	35 g	12 m	5 litres	17 cm

a) The weight of a cat .....

b) The weight of a small bag of crisps .....

c) The amount of water in a full bucket .....

d) The amount of water in a tea spoon .....

e) The length of a pencil .....

f) The length of a bed .....

g) The length of a bus .....

2 Circle the heaviest item.

bag of potatoes bar of chocolate bag of crisps

3 Circle the item that would hold the most water.

swimming pool fish bowl bucket

4 Circle the tallest item.

house phone mast road cone

Add lengths, capacities and weights and compare the total to another total or requirement	Component 6	Entry 3.1

Name ……...

1 Add together the following measures.

a) 300 g + 250 g + 75 g = ……

……

b) 600 ml + 15 ml + 420 ml = ……

……

c) 85 m + 480 m + 160 m = ……

……

2 Josh has some books he wants to post.

Gone : 350 g **Kings : 190 g** **Time Waits : 450 g** **Stars : 150 g**

The total weight of his parcel must be less than 700g

Which 3 books can he post?

Show how you decide.

……

……

……

3 Aaron is training for a cycle race. He plans to cycle a total of at least 250 km per week.

During one week he did 3 training sessions.

Session 1 : 72 km **Session 2 : 80 km** **Session 3 : 90 km**

Has he reached his target of 250 km?

Show how you decide.

.....

.....

.....

Convert standard units of length, capacity and weight	Component 6	Entry 3.2

Name ……...

1 Complete the following.

a) 2000 g = …… kg

b) 7000 g = …… kg

c) 500 g = …… kg

d) 300 cm = …… m

e) 80 cm = …… m

f) 4000 ml = …… litres

g) 6000 ml = …… litres

h) 50 mm = …… cm

2 Complete the following.

a) 4 cm = …… mm

b) 11 cm = …… mm

c) 2.5 cm = …… mm

d) 2 km = …… m

e) 0.355 km = …… m

f) 7 kg = …… g

g) 0.4 kg = …… g

h) 2.2 litres = …… ml

3 5.2 cm is the same as 5 cm 2 mm.
Complete the following.

a) 8.4 cm = ……cm ……mm

b) 3255 m = ……km ……m

c) 4300 g = ……kg ……g

d) 5225 ml = ……litres ……ml

Compare and order lengths, capacities and weights in different standard units	Component 6	Entry 3.3

Name ……...

1 Write each list of measures in order starting with the **smallest**.

a) 5 cm, 6 m, 35 mm

……. ……. …….

b) 400 ml, 30 cl, 0.5 litres

……. ……. …….

c) 9 kg, 900 g , 0.95 kg

……. ……. …….

2 For each pair circle the **largest** measure.

a)	3 cm	35 mm	b)	300 ml	2 litres
c)	420 cm	5 m	d)	200 ml	2 cl
e)	28 mm	3 cm	f)	90 cl	2 litres
g)	3 m	250 cm	h)	1500 g	2 kg
i)	100 g	10 kg	j)	0.3 kg	30 g
k)	500 ml	0.6 litres	l)	0.7 kg	800 g

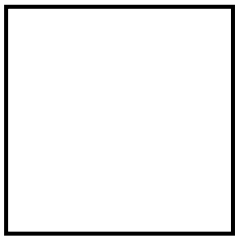
3.3		2.2		1.1	

Measure the perimeter of a simple shape	Component 6	Entry 3.4

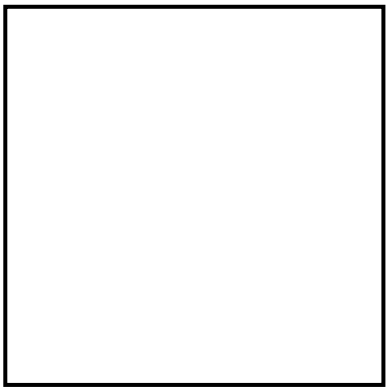
Name ……...

1 Measure the perimeter of each of the following squares.

a) Perimeter = …… cm



b) Perimeter = …… cm



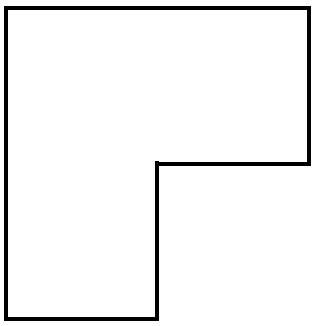
2 Measure the perimeter of each of the following rectangles.

a) Perimeter = …… cm

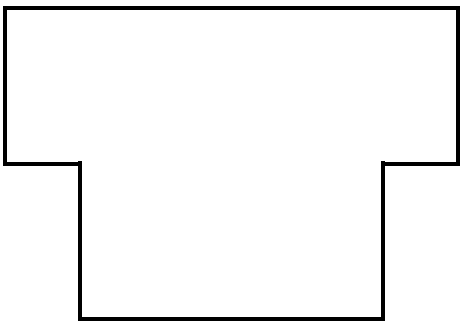
b) Perimeter = …… cm

3 Measure the perimeter of each of the following shapes.

a) Perimeter = ... cm



b) Perimeter = ... cm



3.4		2.4		1.2	

Choose an appropriate measuring instrument	Component 6	Entry 3.5

Name ……...

Circle the item you would use to measure each of the following

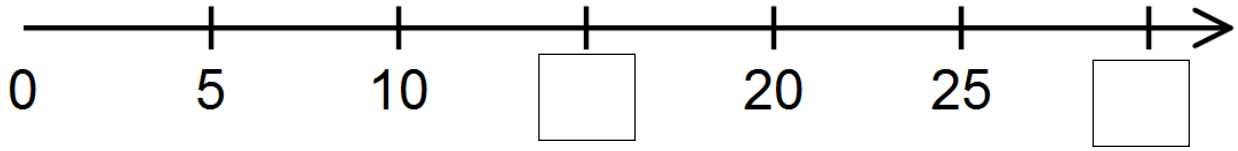
1	The length of a tennis court.	ruler	/	Trundle wheel
2	The length of a room.	Tape measure	/	Ruler
3	The weight of an apple.	Kitchen scales	/	Measuring jug
4	The capacity of a cup.	Kitchen scales	/	Measuring jug
5	The width of a finger nail.	Ruler	/	Tape Measure
6	The weight of a child.	Bathroom scales	/	Ruler
7	The length of a table.	Trundle wheel	/	Tape Measure
8	The capacity of a pan.	Measuring jug	/	Kitchen scales

Read values from an appropriate scale	Component 6	Entry 3.6

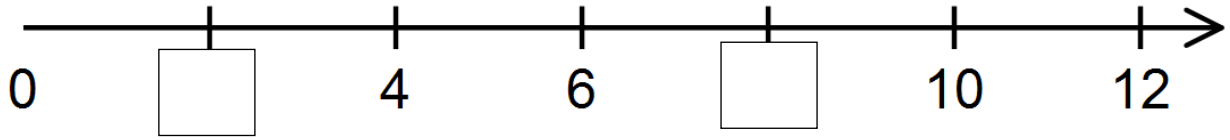
Name .....

1 Fill in the missing numbers.

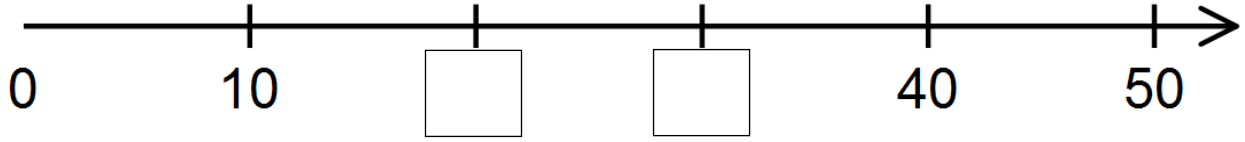
a)



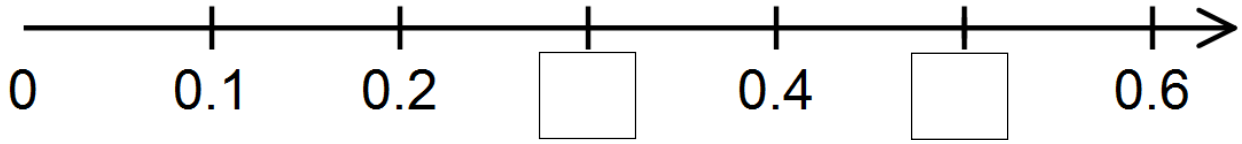
b)



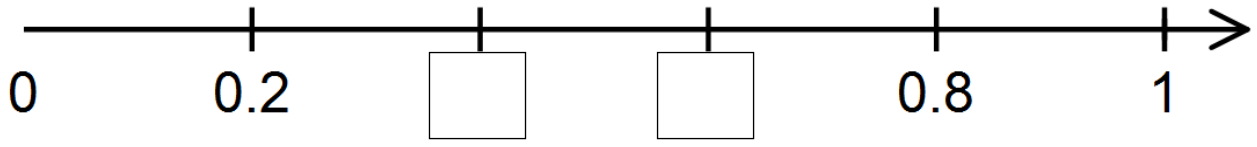
c)



d)

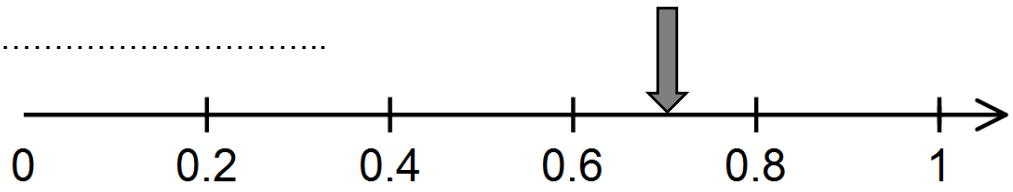


e)

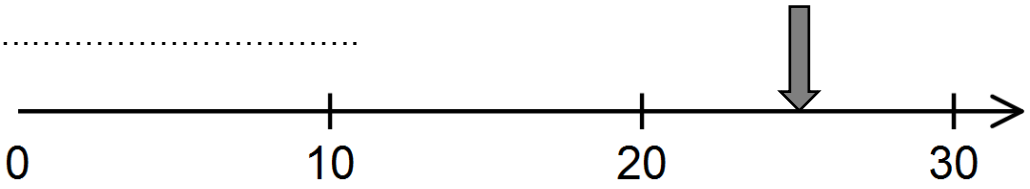


2 Write down the number shown by the arrow.

a) ……..



b) ……

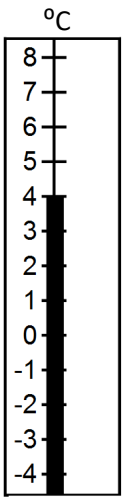


Read and compare temperature including temperature with negative values	Component 6	Entry 3.7

Name ……..

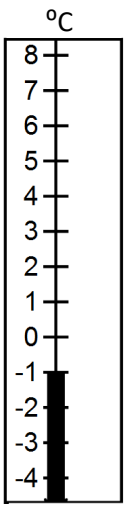
1 Write down the temperatures shown on the thermometers.

a)



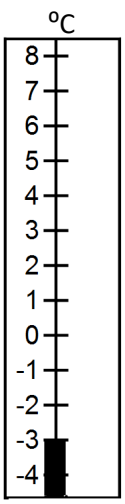
…… °C

b)



…… °C

c)



…… °C

2 Write the lists of temperatures in order, starting with the coldest.

a) 5^0C, 2^0C, 7^0C, 11^0C, 0^0C

……

b) 4^0C, -2^0C, -5^0C, 3^0C, 0^0C

……

c) -8^0C, -3^0C, 1^0C, -5^0C, 7^0C

……

3 Circle the **coldest** temperature.

-1^0C -4^0C 9^0C -8^0C -9^0C

4 Circle the **warmest** temperature.

-1^0C 1^0C 4^0C -4^0C -8^0C