



Comparing and Ordering Measurements of Mass, Volume and Capacity

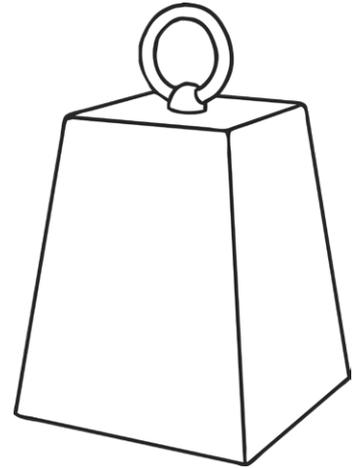
I can compare measurements of mass, volume and capacity.



Mass

1. In each pair, draw a circle around the greater mass.

a)	500g	1.2kg
b)	3kg 750g	3800g
c)	1.9kg	1600g
d)	4kg 200g	4.3kg
e)	2.8kg	2500g
f)	2850g	2.9kg



2. Order these measurements from smallest to greatest mass.

a)	2.6kg	2550g	3kg
	smallest		greatest

b)	5kg	4.9kg	4500g
	smallest		greatest

c)	8.7kg	5800g	5kg
	smallest		greatest



Comparing and Ordering Measurements of Mass, Volume and Capacity

Volume and Capacity



750ml



2l



330ml



1.25l

3. Write $<$, $>$ or $=$ in each row of the table to compare the capacity of the containers:

washing-up liquid bottle		teapot
drinks can		lemonade bottle
lemonade bottle		washing-up liquid bottle and teapot
washing-up liquid bottle		2 drinks cans

4. Joanna records the volume of water she drinks each day for three days. Order the days according to how much she drank.

Monday	Tuesday	Wednesday
1750ml	2.5l	1.9l

greatest		smallest

5. If Joanna had drunk 200ml more on Monday, would this have changed the order? If so, write the new order:

greatest		smallest



Comparing and Ordering Measurements of Mass, Volume and Capacity **Answers**

Mass

1. In each pair, draw a circle around the greater mass.

a)	500g	1.2kg
b)	3kg 750g	3800g
c)	1.9kg	1600g
d)	4kg 200g	4.3kg
e)	2.8kg	2500g
f)	2850g	2.9kg

2. Order these measurements from smallest to greatest mass.

a)	2.6kg	2550g	3kg
	smallest 2250g	2.6kg	3kg greatest

b)	5kg	4.9kg	4500g
	smallest 4500g	4.9kg	5kg greatest

c)	8.7kg	5800g	5kg
	smallest 5kg	5800g	8.7kg greatest

3. Write $<$, $>$ or $=$ in each row of the table to compare the capacity of the containers:

washing-up liquid bottle	$<$	teapot
drinks can	$<$	lemonade bottle
lemonade bottle	$=$	washing-up liquid bottle and teapot
washing-up liquid bottle	$>$	2 drinks cans

4. Joanna records the volume of water she drinks each day for three days. Order the days according to how much she drank.

greatest		smallest
Tuesday	Wednesday	Monday

5. If Joanna had drunk 200ml more on Monday, would this have changed the order? If so, write the new order:

greatest		smallest
Tuesday	Monday	Wednesday



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Mass

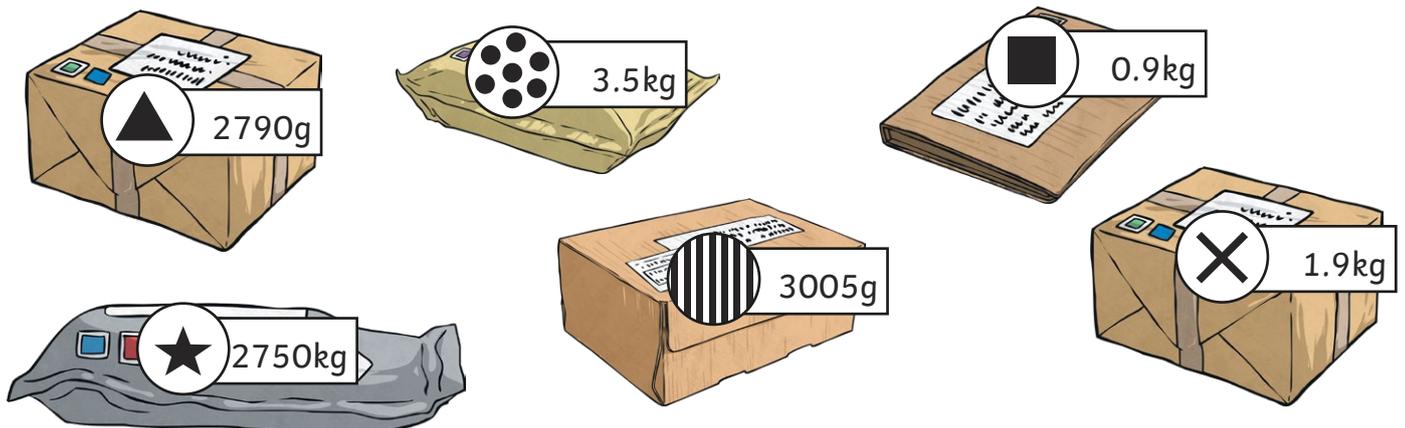
1. Order these measurements from smallest to greatest mass.

a)	3.7kg	4250g	4.8kg	4kg 200g
	smallest			greatest

b)	10kg	9.9kg	9800g	9kg 500g
	smallest			greatest

c)	11.3kg	10kg 900g	11.2kg	11 000g
	smallest			greatest

2. In a sorting office, parcels are sorted by their mass. Draw the pattern or shape from each parcel's label into a circle in the correct section of the grid. Three of the circles will be left empty.



less than 1kg	over 1kg, less than 3kg	over 3kg
○ ○ ○	○ ○ ○	○ ○ ○



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750ml



2l



330ml



1.25l



1.5l

3. Write $<$, $>$ or $=$ in each row of the table to compare the capacity of the containers:

washing-up liquid bottle		measuring jug
teapot		lemonade bottle
lemonade bottle		measuring jug and drinks can
2 washing-up liquid bottles		measuring jug
teapot and washing-up liquid bottle		lemonade bottle

4. Sort these volumes into the table below so that the measurements in each row are in order from smallest to greatest.

3.1l	4195ml	2100ml	6.3l	900ml
1.35l				3000ml
5500ml				7.3l
0.75l				2l
2.5l				3500ml
4100ml				4.2l



Comparing and Ordering Measurements of Mass, Volume and Capacity **Answers**

Mass

1. Order these measurements from smallest to greatest mass.

a)	3.7kg	4250g	4.8kg	4kg 200g
	smallest 3.7kg	4kg 200g	4250g	4.8kg greatest

b)	10kg	9.9kg	9800g	9kg 500g
	smallest 9kg 500g	9800g	9.9kg	10kg greatest

c)	11.3kg	10kg 900g	11.2kg	11 000g
	smallest 10kg 900g	11 000g	11.2kg	11.3kg greatest

2. In a sorting office, parcels are sorted by their mass. Draw the pattern or shape from each parcel's label into a circle in the correct section of the grid. Three of the circles will be left empty.

less than 1kg	over 1kg, less than 3kg	over 3kg
  	  	  

3. Write $<$, $>$ or $=$ in each row of the table to compare the capacity of the containers:

washing-up liquid bottle	$<$	measuring jug
teapot	$<$	lemonade bottle
lemonade bottle	$>$	measuring jug and drinks can
2 washing-up liquid bottles	$=$	measuring jug
teapot and washing-up liquid bottle	$=$	lemonade bottle

4. Sort these volumes into the table below so that the measurements in each row are in order from smallest to greatest.

1.35l	2100ml	3000ml
5500ml	6.3l	7.3l
0.75l	900ml	2l
2.5l	3.1l	3500ml
4100ml	4195ml	4.2l



Comparing and Ordering Measurements of Mass, Volume and Capacity

I can compare measurements of mass, volume and capacity.



Mass

1. In each pair, draw a circle around the greater mass.

a)	8.6kg	8250g	8kg 450g	8.8kg	8kg 650g
	smallest				greatest

b)	15.5kg	15.9kg	14kg 300g	14 800g	15kg 200g
	smallest				greatest

c)	20.3kg	20kg 900g	20kg 850g	20.2kg	21 000g
	smallest				greatest

d)	23kg 500g	23.6kg	23kg 300g	24.7kg	24 100g
	smallest				greatest

2. Here are the mass measurements of two puppies as they grew:

	Birth	3 Months	6 Months	9 Months	1 Year
Coco	0.5kg	1.35kg	1950g	3.15kg	4500g
Poppy	700g	2.1kg	3200g	4.95kg	6.25kg

a. Which puppy made the greatest mass gain from birth to 6 months?

b. Which puppy made the smallest mass gain from 3 months to 6 months?

c. Which puppy made the greatest mass gain from 9 months to a year?



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Volume and Capacity



750ml



2l



330ml



1.25l



1.5l

3. Write $<$, $>$ or $=$ in each row of the table to compare the capacity of the containers:

2 washing-up liquid bottles		teapot
2 measuring jugs		10 drinks cans
a measuring jug and 2 washing-up liquid bottles		2 lemonade bottles
3 washing-up liquid bottles		a measuring jug and a drinks can

4. Five friends recorded what they drank in a day. Write their names in order of the volume of liquid they each drank.

Ali	Billie	Chetna	Dina	Eden
2 jugs full of water	4 full cans of pop	1 full bottle of lemonade	1 full pot of tea and 1 full can of pop	1 jug full of water and half a bottle of lemonade

smallest				greatest



Comparing and Ordering Measurements of Mass, Volume and Capacity **Answers**

Mass

1. In each pair, draw a circle around the greater mass.

a)	8.6kg	8250g	8kg 450g	8.8kg	8kg 650g
	smallest 8250g	8kg 450g	8.6kg	8kg 650g	8.8kg greatest

b)	15.5kg	15.9kg	14kg 300g	14 800g	15kg 200g
	14kg 300g	14 800g	15kg 200g	15.5kg	15.9kg

c)	20.3kg	20kg 900g	20kg 850g	20.2kg	21 000g
	20.2kg	20.3kg	20kg 850g	20kg 900g	21 000g

d)	23kg 500g	23.6kg	23kg 300g	24.7kg	24 100g
	23kg 300g	23kg 500g	23.6kg	24 100g	24.7kg

2. Here are the mass measurements of two puppies as they grew:

- Poppy
- Coco
- Coco

3. Write $<$, $>$ or $=$ in each row of the table to compare the capacity of the containers:

2 washing-up liquid bottles	$>$	teapot
2 measuring jugs	$<$	10 drinks cans
a measuring jug and 2 washing-up liquid bottles	$<$	2 lemonade bottles
3 washing-up liquid bottles	$>$	a measuring jug and a drinks can

4. Five friends recorded what they drank in a day. Write their names in order of the volume of liquid they each drank.

smallest					greatest				
<i>Billie</i>		<i>Dina</i>		<i>Chetna</i>		<i>Eden</i>		<i>Ali</i>	