I can convert metric measures involving volume and capacity (litres and millilitres).

1) Match the measurements in millilitres with their equivalents in litres.



4.4l
7.28l
3.406l
3.07l
2.7l
1.95l

2) Multiply by 1000 to convert these measurements to millilitres.

2.6l	3.4l	5.7l	8.6l	3.25l	4.67l	6.53l	4.209l	7.05l
2600ml				32501				

3) Divide by 1000 to convert these measurements to litres.

5600ml	2300ml	6800ml	4500ml	3450ml	7650ml	1240ml	4401ml	5060ml
5.61				3.451				

4) Decide whether to multiply or divide by 1000 to convert these measurements to litres or millilitres.

5.5l	 6450ml	
6.8l	 3.002l	
3400ml	 2.86l	



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### **Measuring Smoothies**

5) Lucy's mum told her to use 6700ml of orange juice to make enough servings of her tropical smoothie to share with the class. However, Lucy's measuring jug only shows measurements in litres. Lucy thinks that 6700ml is the same as 67l. Is she right or wrong? Explain how you know.





## Measuring Smoothies **Answers**

Question	Answer										
1.	Match the	Match the measurements in millilitres with their equivalents in litres.									
	2700ml							4.4l			
		4400ml							7.28l		
		1950ml			>	$\langle$			3.406l		
		7280ml		$\succ$	$\succ$	>			3.07l		
		3406ml				$\succ$	$\frown$		2.7l		
		3070ml							1.95l		
2.	Multiply b	oy 1000 to c	onvert these	measuremer	its to i	nillilit	res.				
	2.6l	3.4l	5.7l	8.6l	3.2	25l	4.67l	6.53l	4.209l	7.05l	
	2600ml	3400ml	5700ml	8600ml	32	501	4670ml	6530ml	4209ml	7050ml	
3.	Divide by	1000 to con	vert these m	easurements	to litr	es.					
	5600ml	2300ml	6800ml	4500ml	345	0ml	7650ml	1240ml	4401ml	5060ml	
	5.61	2.31	6.81	4.51	3.0	451	7.651	1.241	4.4011	5.061	
4.	Decide wh	ether to mu	ltiply or divi	de by 1000 :	to con	vert th	ese measure	ments to litr	es or millilit	res.	
	5.5l			5500w	nl	6	450ml		<b></b>	6.451	
	6.8l			6800n	nl	3	3.002l		j	3002ml	
	3400ml <b>3.4</b> / 2.86l <b>286</b> ℓ							2860ml			
5.	Lucy's mu share with 6700ml is	m told her t 1 the class. I 5 the same as	to use 6700 However, Luc s 67l. Is she	ml of orange cy's measurin right or wro	e juice ng jug ng? E>	to mo only : plain	ike enough s shows measi how you kno	ervings of h urements in ow.	er tropical s litres. Lucy	moothie to thinks that	
	Children dividing	's answers by 1000.	should sh	ow unders	stand	ing o	f place val	ue when n	ıultiplying	j or	



I can convert metric measures involving volume and capacity (litres and millilitres).

1) Some measurements have been given in millilitres, and some in litres. Decide whether to multiply or divide by 1000 to convert the measurements to the other unit.

Litres	Millilitres	Litres	Millilitres
3.5l		3.505l	
	2700ml		2005ml
8.45l		9.006l	
	2560ml	4.3l	
3.05l			6820ml
	4070ml	2.03l	
	4401ml		9600ml

2) Order these measurements from smallest to largest.

α)	3005ml	3.55l		3505ml	3.055l
	Smallest	<			Largest
b)	0.55l	5.55l	5005ml	5.35l	355ml
	Smallest	<			→ Largest

3) Are these statements true or false? Tick the true statements and cross the false ones.

4.3l = 4030ml

2005ml = 2.05l

6.07l = 6700ml	
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5500ml = 5.5l

### **Measuring Smoothies**







Maths | Year 5 | Measurement | Converting Metric Measurements | Lesson 4 of 4: Converting Millilitres and Litres



# Measuring Smoothies **Answers**

Question	Answer							
1.	Some measurements have been given in millilitres, and some in litres. Decide whether to multiply or divide by 1000 to convert the measurements to the other unit.							
	Litres	Millilitr	res		Litres		Millilitres	
	3.5l	3500m	l I	3.505l			3505ml	
	2.71	2700m	าไ		2.0051		2005ml	
	8.45l	8450n	nl	ç	9.006l		9006ml	
	2,561	2560m	าไ		4.3l		4300ml	
	3.05l	3050m	d I		6.821		6820ml	
	4.071	4070m	าไ		2.03l		2030ml	
	4.4011	4401m	4401ml		9.61		9600ml	
2.	Order these measurer	nents from smallest t	o largest					
	Smallest	4					Largest	
	3005ml	3.055	1	3505ml			3.551	
	Smallest 🚽	(					Largest	
	355ml	0.551	500	Sml	5.351		s.ssl	
3.	Are these statements	true or false? Tick th	e true state	ements and	cross the false o	nes.		
	5500ml = 5.5l	$\checkmark$		4.3[ = 4	030ml	X		
	6.07l = 6700ml							
4.	Hamish is making a f friends. He adds 1.3l enough for all his frie	ruit smoothie. He nee of pineapple juice, 15 ends?	eds to make 550ml of or	e more thar range juice	1 3l to have enou and 230ml of m	ıgh to s ango jı	share with his uice. Does he have	
	Yes – he makes 308	80m1/3.081.						





I can convert metric measures involving volume and capacity (litres and millilitres).

1) Some measurements have been given in millilitres, and some in litres. Convert each measurement to the other unit.

Litres	Millilitres	Litres	Millilitres
3.5l			2700ml
3.55l			2707ml
3.505l			2077ml
3.05l			2007ml
3.005l			2070ml

2) Order these measurements from smallest to largest.

a)	0.25l	5.7l	50	02ml	5.12l	500ml
	Smallest	<				Largest
b)	1.77l	700ml	1.27l	0.07l	1.077l	1700ml
	Smallest	<				→ Largest

3) A cup has a capacity of 275ml. A mug has a capacity of 450ml. A jug has a capacity of 1.25l. Complete these statements using < or >.







4) Luca brought 3.56l of apple juice to add to the fruit smoothies that they were making in class. Caitlin brought 3  $\frac{3}{4}$ l of pineapple juice and Alexa brought 3056ml of cranberry juice.

- a) Who brought the most to drink?
- b) Order the amounts that they brought to drink, from smallest to largest amount.
- c) What is the difference, in millilitres, between the smallest and largest amount?
- d) How much did they bring to drink in total? Give your answer in litres.





# Measuring Smoothies **Answers**

Question	Answer								
1.	Some measuremer 1000 to convert tl	nts have been ne measurem	i given in mi ients to the c	llilitres, and other unit.	l some in lit	res. Dec	ide wheth	ier to n	nultiply or divide by
	Litres		Millilit	res		Litres			Millilitres
	3.5l		3500m	nl		2.71			2700ml
	3.55l	551 <b>3550ml</b>			2.7071				2707ml
	3.505l		3505n	nl		2.0771			2077ml
	3.05l		3050ml			2.0071			2007ml
	3.005l		3005m	nl		2.071			2070ml
2.	Order these measurements from smallest to largest								
	Smallest							Largest	
	0.251	sa	500ml 5002ml		5.121			5.71	
	Smallest 🚽	(							→ Largest
	0.071	700ml	1	.0771	1.271 1700ml			oml	1.771
3.	Are these stateme	nts true or fo	alse? Tick th	e true state	ements and	cross tł	ne false or	ies.	
	10 cups		>	3 m	lugs		<		2 jugs
	5 mugs		<	3 ј	ugs		<		20 cups
	5 jugs		>	10 n	nugs		>		15 cups
4.	Luca brought 3.50 brought 3 <sup>3</sup> / <sub>4</sub> l of pi	6l of apple ju neapple juic	uice to add t e and Alexa	o the fruit : brought 30	smoothies t 956ml of cro	hat the anberry	y were mo juice.	aking i	n class. Caitlin
α	a Caitlin								
b	3056ml, 3.56l, 3	341							
с	694ml								
d	10,3661								

