

Year 5 Convert Metric and Imperial Measures

Capacity

I can use approximate equivalences between metric and imperial units.

1 litre \approx 1.75 pints or 0.57 litres \approx 1 pint

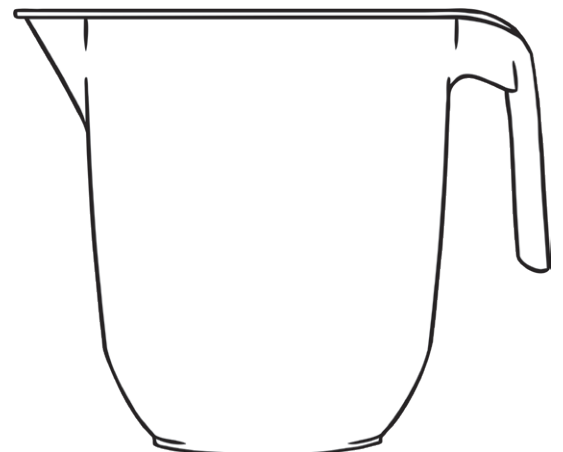
Complete this table:

litres	pints
	3.5
5	
1.14	
	3
10	

1 litre \approx 0.22 gallons or 4.5 litres \approx 1 gallon

Complete this table:

litres	gallons
2	
	0.66
9	
	5
10	

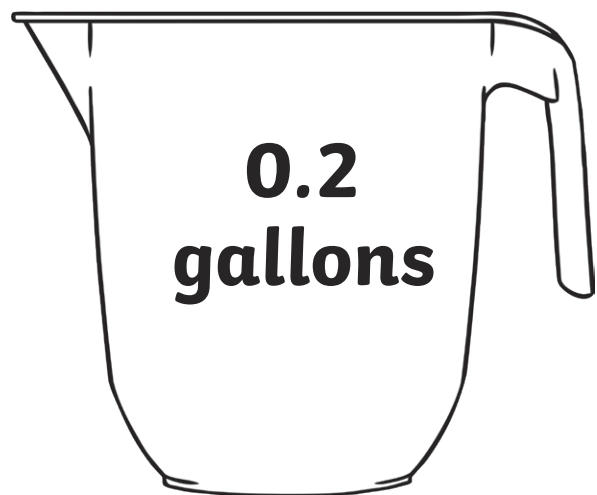


25ml \approx 1 fl. Oz

Complete this table:

millilitres	fluid ounces
100	
	6
250	
	15
	20

Order these capacities from the smallest to the largest.



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Distance and Length

I can use approximate equivalences between metric and imperial units.

2.5 centimetre \approx 1 inch, 12 inches = 1 foot

Complete this table.

centimetre (cm)	inches (")	feet (')
	2	
7.5		
	4	
		1
90		

Convert these heights between metres and feet and inches.

metres (m)	inches (")	feet and inches (' ")
1.1		
1.25		
		3' 4"
		4' 6"
1.85		6' 2"

Measure the height of several people and record them in metric and imperial.

Person	Metric	Imperial

Weight and Mass

I can use approximate equivalences between metric and imperial units.

0.45 kilogram \approx 1 lb (pound), 1 kilogram = 2.2 lb (pounds)

Complete this table.

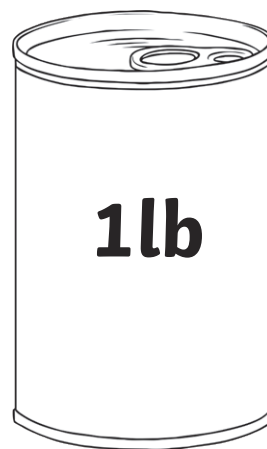
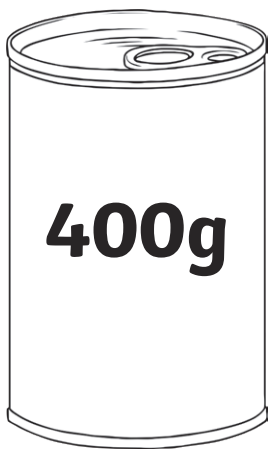
kilograms (kg)	pounds (lb)
	2
2	
	3
3	
	22

28g \approx 1oz (ounce)

Tick the conversions that are reasonable.

grams (g)	ounces (oz)	Reasonable
10g	1/2oz	
50g	2oz	
110g	4oz	
180g	8oz	
300g	11oz	

Here are some tins of food. Order from lightest to heaviest.



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Year 5 Convert Metric and Imperial Measures **Answers**

Capacity

I can use approximate equivalences between metric and imperial units.

1 litre \approx 1.75 pints or 0.57 litres \approx 1 pint

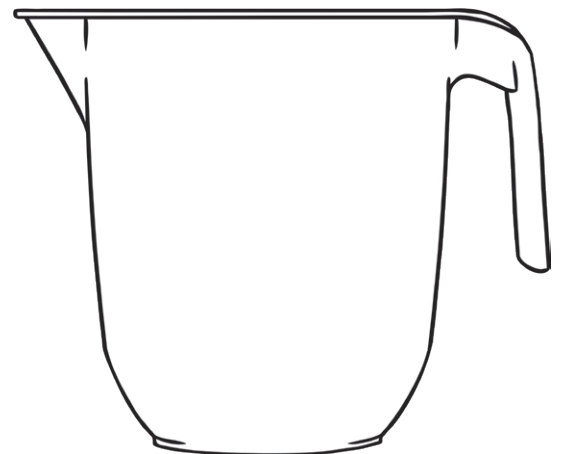
Complete this table:

litres	pints
2	3.5
5	8.75
1.14	2
1.71	3
10	17.5

1 litre \approx 0.22 gallons or 4.5 litres \approx 1 gallon

Complete this table:

litres	gallons
2	0.44
3	0.66
9	2
22.5	5
10	2.2

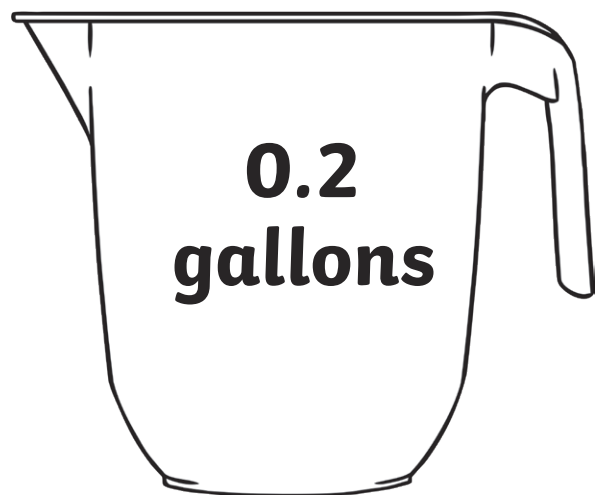


25ml \approx 1 fl. Oz

Complete this table:

millilitres	fluid ounces
100	4
150	6
250	10
375	15
500	20

Order these capacities from the smallest to the largest.



1 pint	25 fl oz.	0.2 gallons	1 litre
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Distance and Length

I can use approximate equivalences between metric and imperial units.

2.5 centimetre \approx 1 inch, 12 inches = 1 foot

Complete this table.

centimetre (cm)	inches (")	feet (')
5	2	1/6
7.5	3	1/4
10	4	1/3
30	12	1
90	36	3

Convert these heights between metres and feet and inches.

metres (m)	inches (")	feet and inches (' ")
1.1	44	3'8"
1.25	50	4'2"
1	40	3' 4"
1.35	54	4' 6"
1.85	74	6' 2"

Measure the height of several people and record them in metric and imperial.

Person	Metric	Imperial

Weight and Mass

I can use approximate equivalences between metric and imperial units.

0.45 kilogram \approx 1 lb (pound), 1 kilogram = 2.2 lb (pounds)

Complete this table.

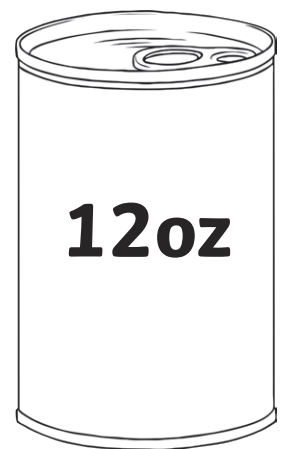
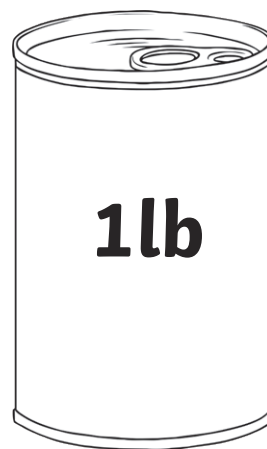
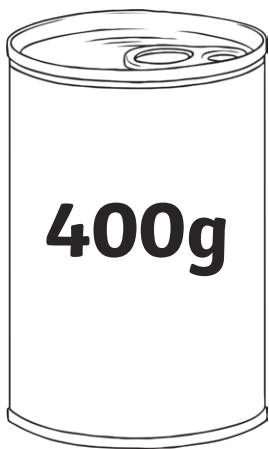
kilograms (kg)	pounds (lb)
0.9	2
2	4.4
1.35	3
3	6.6
10	22

28g \approx 1oz (ounce)

Tick the conversions that are reasonable.

grams (g)	ounces (oz)	Reasonable
10g	1/2oz	
50g	2oz	✓
110g	4oz	✓
180g	8oz	
300g	11oz	✓

Here are some tins of food. Order from lightest to heaviest.



12oz	400g	1lb	0.5kg
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