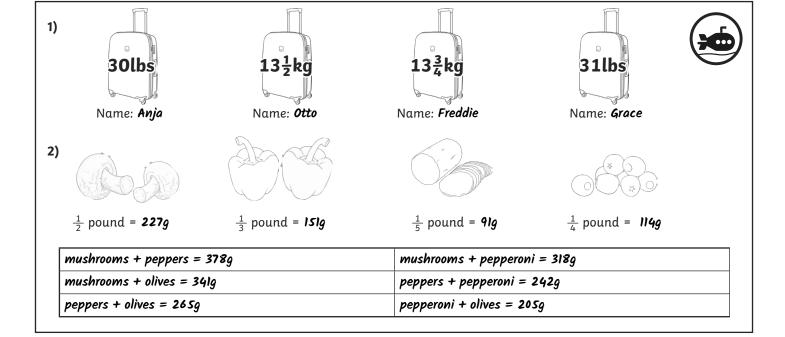
7 inches = 17.5cm 4lbs = 1816 grams $2\frac{1}{2}$ pints = 1425ml 21cm = 8.4 inches $4\frac{1}{2}\text{kg} = 9.9\text{lbs}$ 3 litres = 5½ pints or 5.25 pints

- 1) William is the tallest because 54 inches is 135cm, which is 1cm taller than Chen.
- 2) Shop A is better value for money because 4lbs is approximately 1816g. This means that Shop B is selling a smaller mass of bananas for a more expensive price than Shop A.



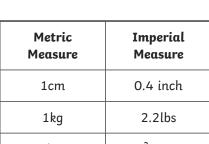


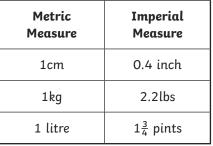
1) Convert these measurements from imperial to metric using the approximate conversion table. 7 inches 4lbs $2\frac{1}{2}$ pints _ grams 2) Convert these measurements from metric to imperial using the approximate conversion table.

Imperial Measure	Metric Measure
1 inch	2 1 2cm
1lb	454g
1 pint	570 millilitres

_ml

3 litres





1) Here are the heights of two children.

William is the tallest.

_ inches

21cm

Do you agree with this statement? Explain your answer.

 $4\frac{1}{2}$ kg

 $_{-}$ lbs

2) Here are the prices of bananas at two different shops. At which shop are the bananas better value for money?

Explain how you know.

1 inch = approximately 2.5cm





William	Chen
54 inches	1.34 metres

1lb = approximately 454g

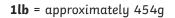
Shop A



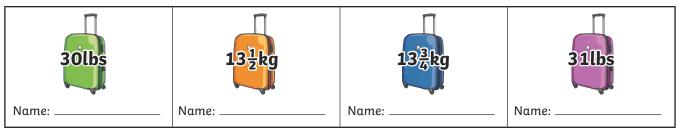
1.9 kg = £2.20

4lbs = £2.50

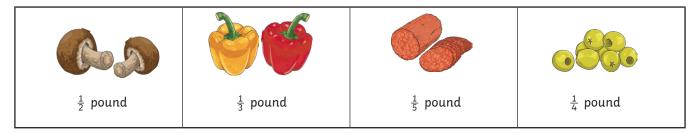
1)	Otto, Freddie, Anja and Grace are packing their suitcases for their
	holidays. Use the clues to work out who each suitcase belongs to.







- · Grace's suitcase is the heaviest.
- Otto's suitcase is the lightest.
- Freddie's suitcase is heavier than Anja's.
- 2) Otto, Freddie, Anja and Grace are adding toppings to pizzas by choosing two of these different ingredients.



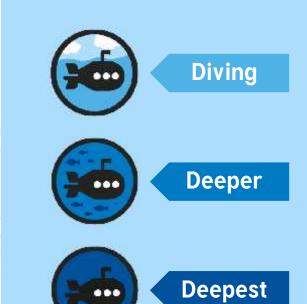
Find the mass of each ingredient to the nearest gram.

Find the mass, in grams, of the all of the possible topping combinations that could be added to the pizzas.



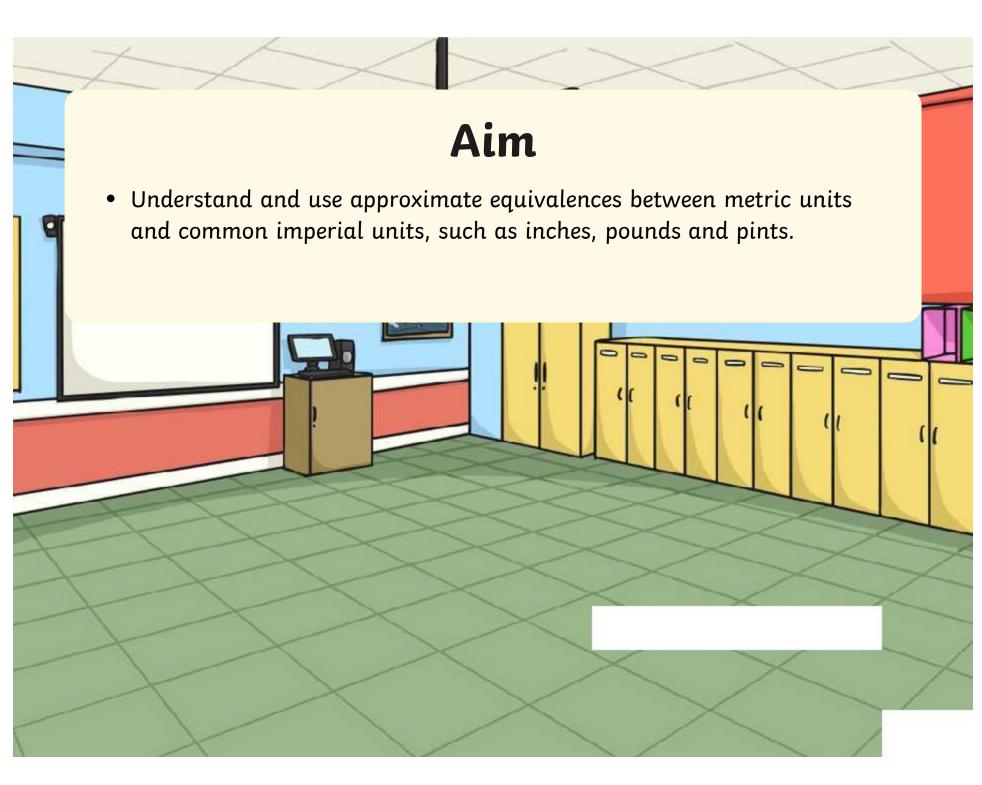
Diving into Mastery Guidance for Educators

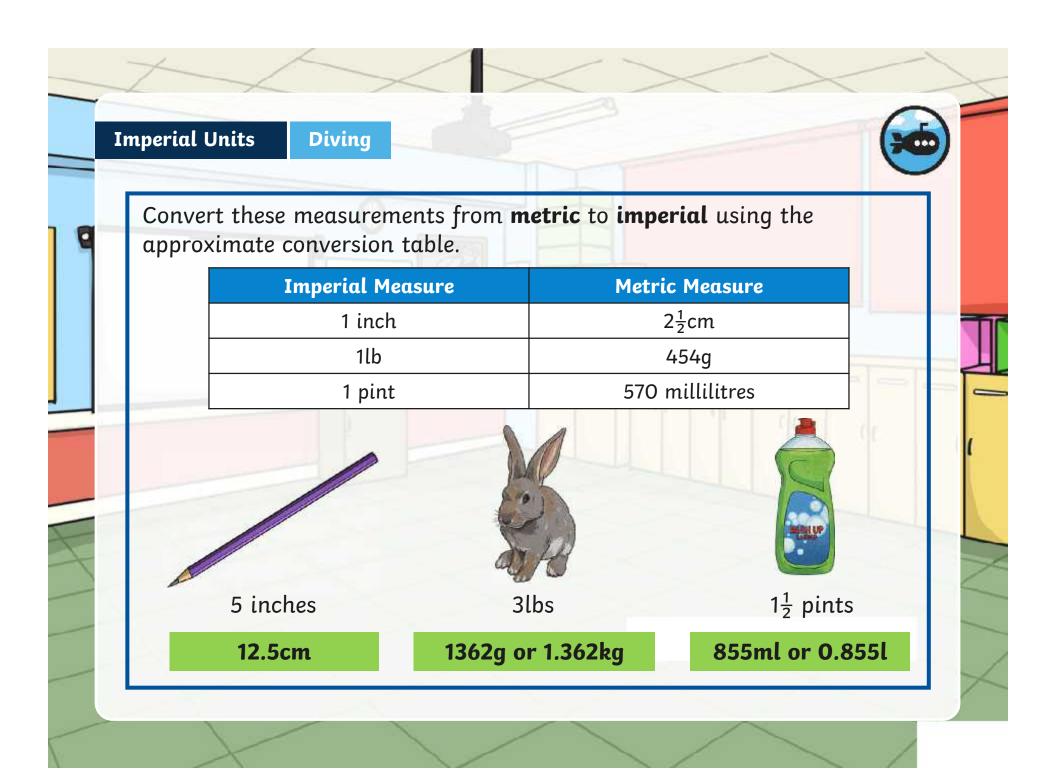
Each activity sheet is split into three sections, diving, deeper and deepest, which are represented by the following icons:

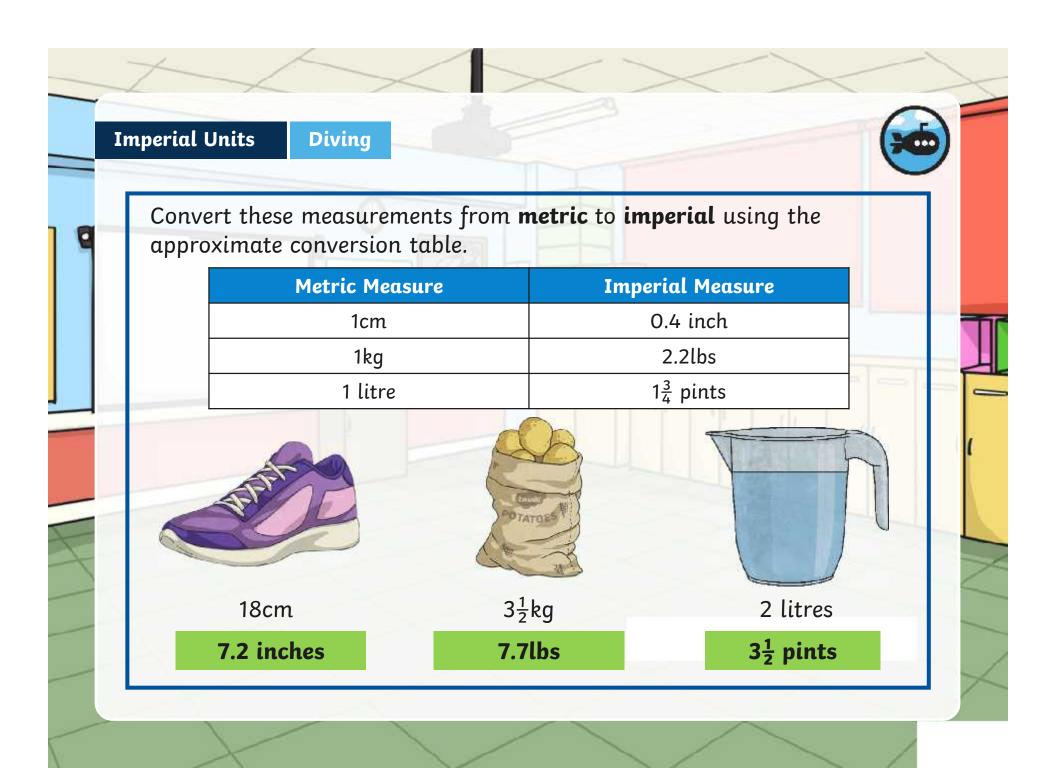


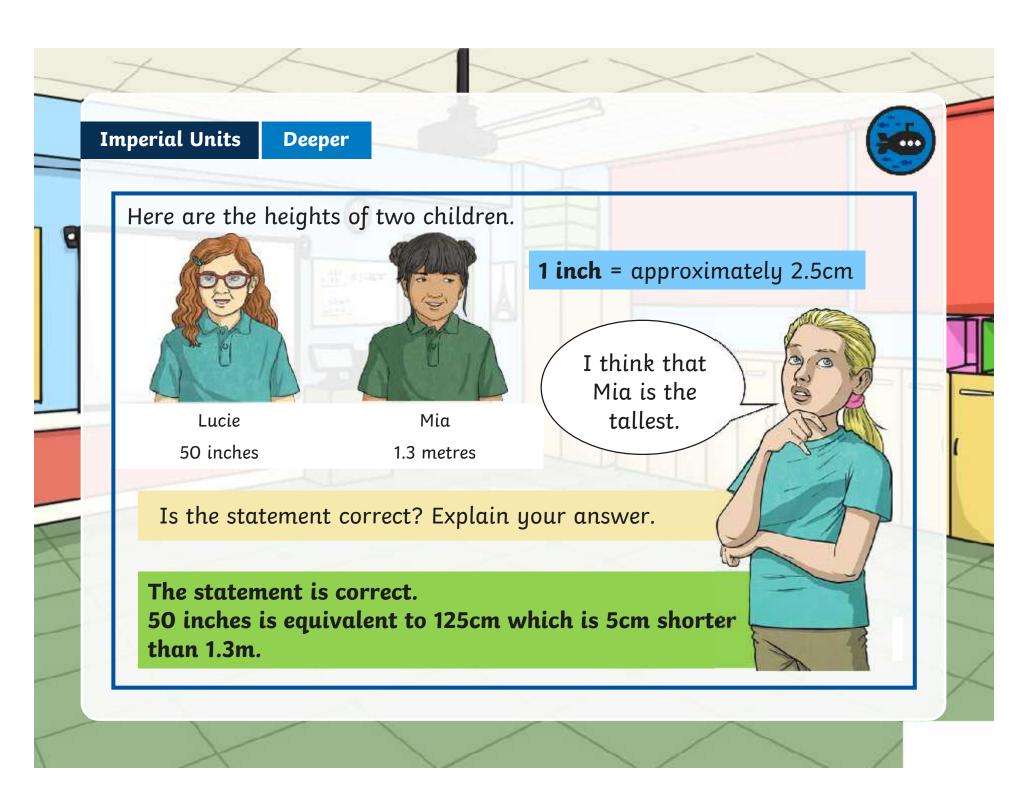
These carefully designed activities take your children through a learning journey, initially ensuring they are fluent with the key concept being taught; then applying this to a range of reasoning and problem-solving activities.

These sheets might not necessarily be used in a linear way. Some children might begin at the 'Deeper' section and in fact, others may 'dive straight in' to the 'Deepest' section if they have already mastered the skill and are applying this to show their depth of understanding.







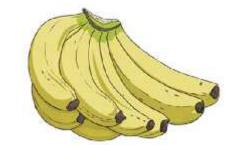


Deeper



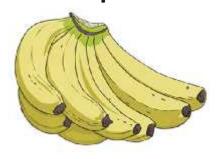
Here are the prices of bananas at two shops. At which shop are the bananas better value for money? Explain how you know.

Shop A



$$1.3$$
kg = £2

Shop B



$$3lbs = £1.90$$

1lb = approx. 454g **1kg** = approx. 2.2lbs

Shop B is better value for money.

3lbs is approximately 1362g, which is greater than 1.3kg for a cheaper price.



Deepest



Otto, Freddie, Anja and Grace are drinking fruit smoothies.

Use the clues to work out who each drink belongs to.



 $\frac{2}{3}$ of a pint

380ml Grace



 $\frac{1}{2}$ of a pint

285ml Otto

Use these approximate conversions.

1 litre = approximately 1.75 pints

1 pint = approximately 570ml



 $\frac{1}{4}$ litre

250ml Anja



 $\frac{2}{5}$ litre

400ml Freddie

- 1. Freddie's drink has the greatest volume.
- 2. Anja's drink has the smallest volume.
- 3. Otto's drink has a volume smaller than $\frac{3}{10}$ of a litre.



Deepest



Otto, Freddie, Anja and Grace mix their own drinks by choosing two of these different juices.



Grape Juice



Apple Juice $\frac{1}{3}$ of a pint $\frac{1}{2}$ of a pint

Use these approximate conversions.

1 litre = approximately 1.75 pints 1 pint = approximately 570ml



Orange Juice $\frac{1}{6}$ of a pint



Pineapple Juice 1 pint

Find the volume, in millilitres, of the possible drinks they can mix.

grape juice + apple juice = 190ml + 285ml = 475ml

grape juice + pineapple juice = 190ml + 570ml = **760ml**

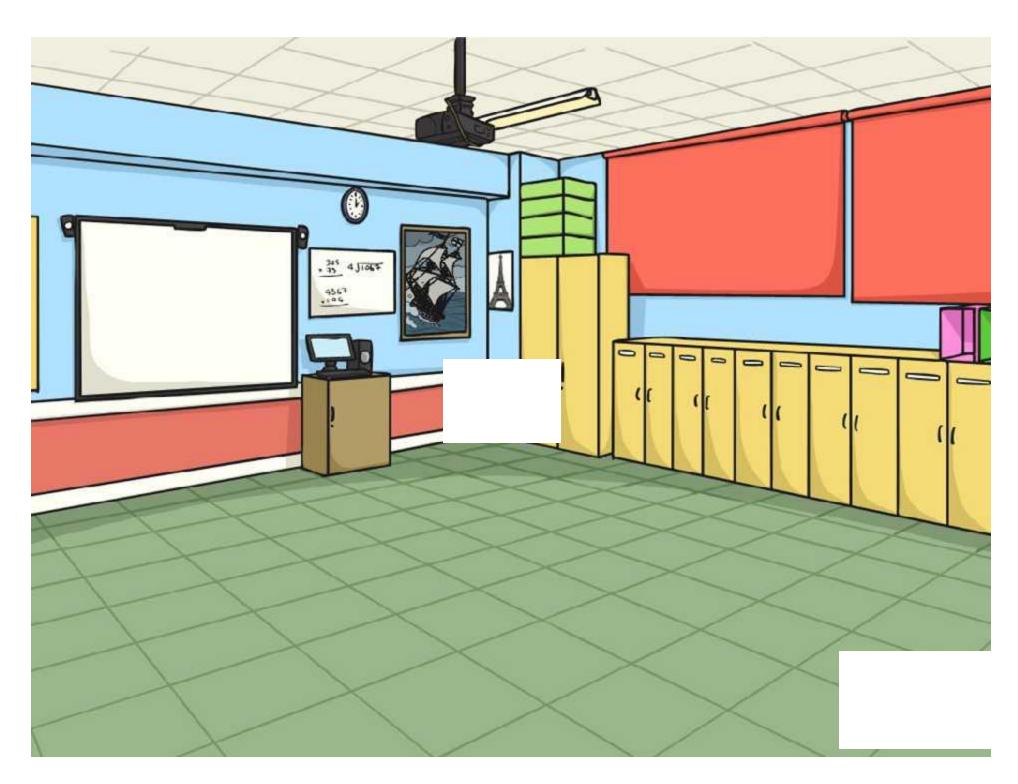
apple juice + pineapple juice = 285ml + 570ml = **855ml**

grape juice + orange juice = 190ml + 95 ml = 285ml

apple juice + orange juice = 285ml + 95 ml = **380ml**

orange juice + pineapple juice = 95ml + 570ml = 665ml





 Convert these measurements from imperial to metric using the approximate conversion table.



Imperial Measure	Metric Measure
1 inch	2 1 2cm
1lb	454g
1 pint	570 millilitres







7 inches

41

 $2\frac{1}{2}$ pints

2) Convert these measurements from **metric to imperial** using the approximate conversion table.

Metric Measure	Imperial Measure
1cm	0.4 inch
1kg	2.2lbs
1 litre	1 ³ / ₄ pints







21cm

41k

3 litres

1) Here are the heights of two children.

William is the tallest.



Do you agree with this statement? Explain your answer.

1 inch = approximately 2.5cm





William	Chen
54 inches	1.34 metres

2) Here are the prices of bananas at two different shops.

At which shop are the bananas better value for money?
Explain how you know.

1lb = (approximately	454q
---------	---------------	------

Shop A	Shop B
1.9kg = £2.20	4lbs = £2.50

 Convert these measurements from imperial to metric using the approximate conversion table.



Imperial Measure	Metric Measure
1 inch	2 <u>1</u> cm
1lb	454g
1 pint	570 millilitres







7 inches

4[|

 $2\frac{1}{2}$ pints

2) Convert these measurements from **metric to imperial** using the approximate conversion table.

Metric Measure	Imperial Measure
1cm	0.4 inch
1kg	2.2lbs
1 litre	1 ³ / ₄ pints







21cm

43k0

3 litres

1) Here are the heights of two children.

William is the tallest.



Do you agree with this statement? Explain your answer.

1 inch = approximately 2.5cm





William	Chen
54 inches	1.34 metres

2) Here are the prices of bananas at two different shops.

At which shop are the bananas better value for money?

Explain how you know.

1lb = approximately 454g

4lbs = £2.50

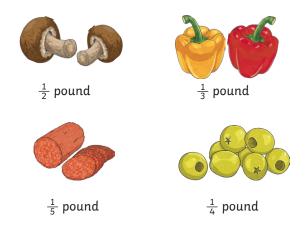
Regent Studies | \www.regentstudies.com

 Otto, Freddie, Anja and Grace are packing their suitcases for their holidays. Use the clues to work out who each suitcase belongs to.





- · Grace's suitcase is the heaviest.
- · Otto's suitcase is the lightest.
- · Freddie's suitcase is heavier than Anja's.
- **2)** Otto, Freddie, Anja and Grace are adding toppings to pizzas by choosing two of these different ingredients.



Find the mass of each ingredient to the nearest gram.

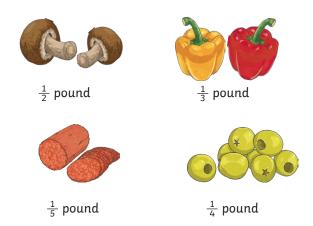
Find the mass, in grams, of the all of the possible topping combinations that could be added to the pizzas.

1) Otto, Freddie, Anja and Grace are packing their suitcases for their holidays. Use the clues to work out who each suitcase belongs to.





- · Grace's suitcase is the heaviest.
- Otto's suitcase is the lightest.
- Freddie's suitcase is heavier than Anja's.
- 2) Otto, Freddie, Anja and Grace are adding toppings to pizzas by choosing two of these different ingredients.



Find the mass of each ingredient to the nearest gram.

Find the mass, in grams, of the all of the possible topping combinations that could be added to the pizzas.