

Y1/2 Measures and Data Unit 1 (12492)

Additional teacher instructions for practice sheets

These notes indicate which practice sheets are most appropriate for which groups.

Day 1 Y1 Which is heavier? Sheet 1

Working towards ARE / Working at ARE

Day 1 Y1 Which is heavier? Sheet 2

Greater Depth

Day 1 Y2 Weighing objects Sheet 3

Working towards ARE / Working at ARE / Greater Depth

You may choose to place the children in mixed attainment groups.

Day 2 Y1 Weighing fruits Sheet 1

Working towards ARE / Working at ARE / Greater Depth

Children could write the question numbers by the correct fruit, or draw (and colour) the answers.

Day 2 Y2 Weight Sheet 2

Working towards ARE

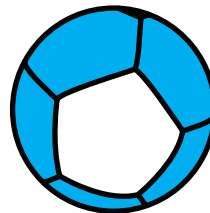
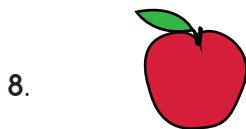
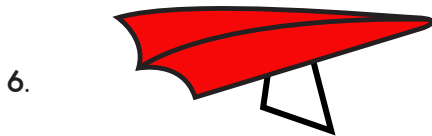
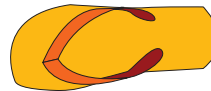
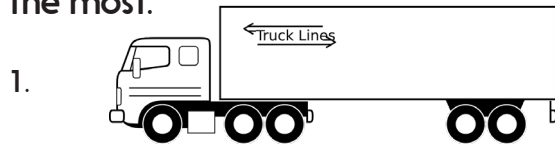
Day 2 Y2 Weight Sheets 3 and 4

Working at ARE / Greater Depth

Which is heavier?

Sheet 1

Which is heavier? Circle the object in each pair that you think would weigh the most.



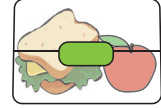
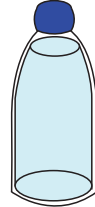
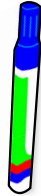
Challenge

Draw an object that would be heavier than the two examples given, e.g. a lorry and a car – you might draw a plane.

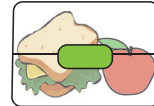
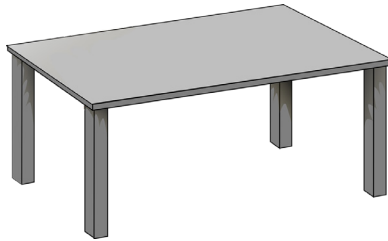
Which is heavier?

Sheet 2

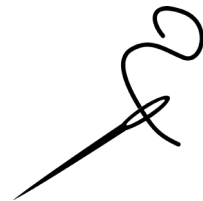
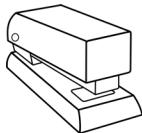
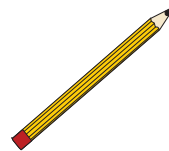
Which objects might be **heavier** than the glue stick?
Circle those you think would weigh more.



Which objects might be **lighter** than the shoe?
Circle those you think would weigh less.



Which objects might be **lighter** than the pencil?
Circle those you think would weigh less.



Challenge

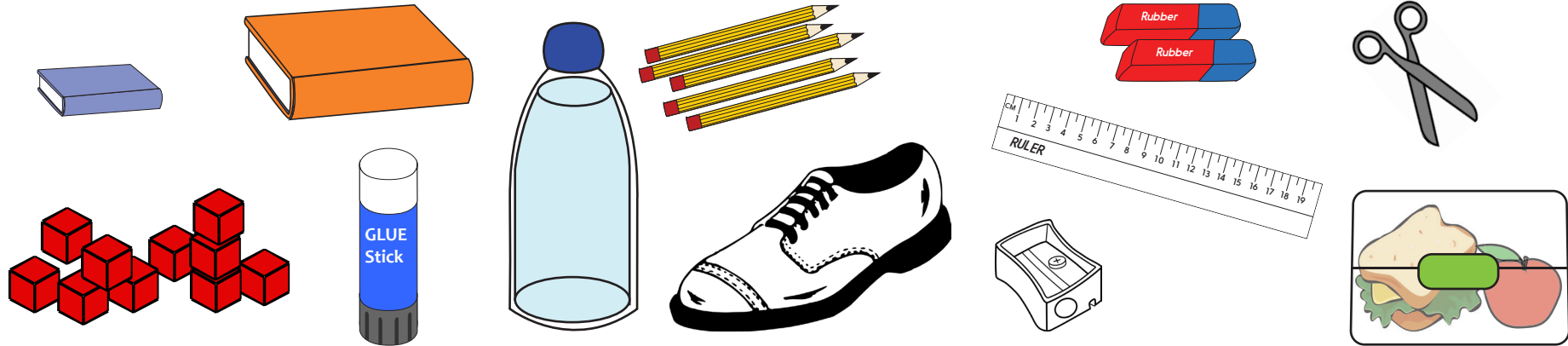
Now think of three items that would weigh about the same as a toy car.
Draw them here:



Weighing objects

Sheet 3

Find these objects, weigh them and put them into the correct place on the table.



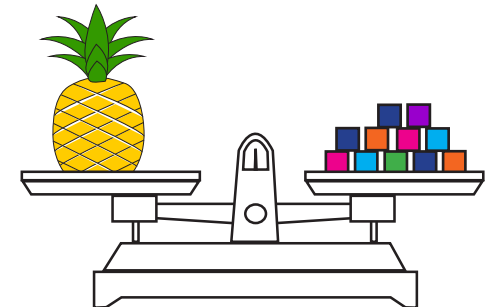
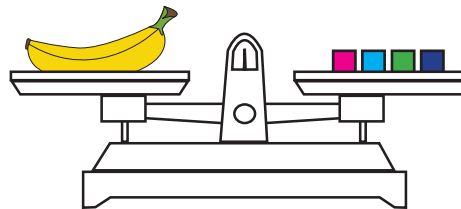
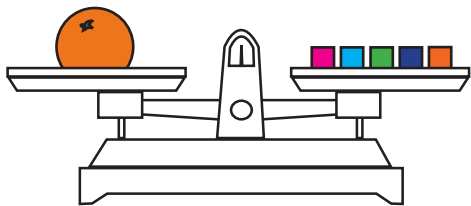
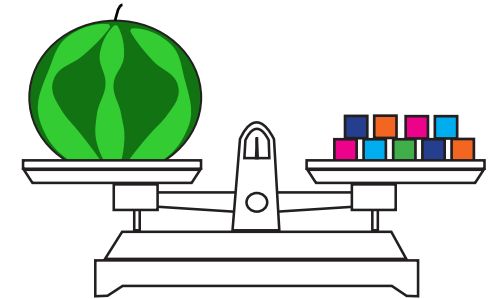
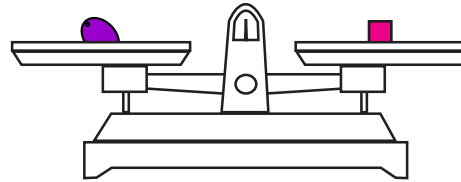
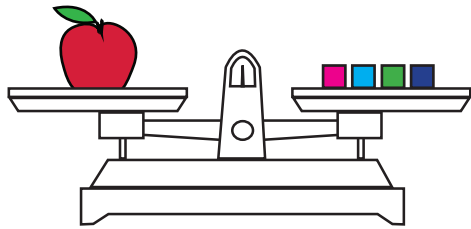
| Lighter than 100g | Heavier than 100g |
|-------------------|-------------------|
| | |

Challenge

Write the objects above in an ordered list from lightest to heaviest.

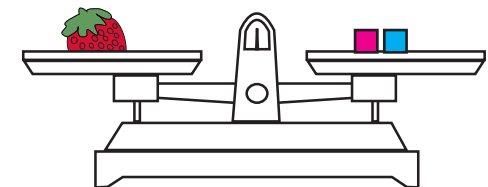
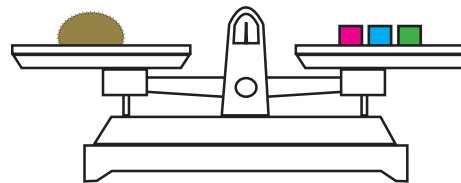
Weighing fruits

Sheet 1



Answer these questions:

1. Which fruit is the heaviest?
2. Which fruit is the lightest?
3. Which two fruits weigh the same?
4. Which fruit weighs the same as 2 bricks?
5. Which fruit is the second heaviest?
6. Which fruit weighs the same as 3 bricks?



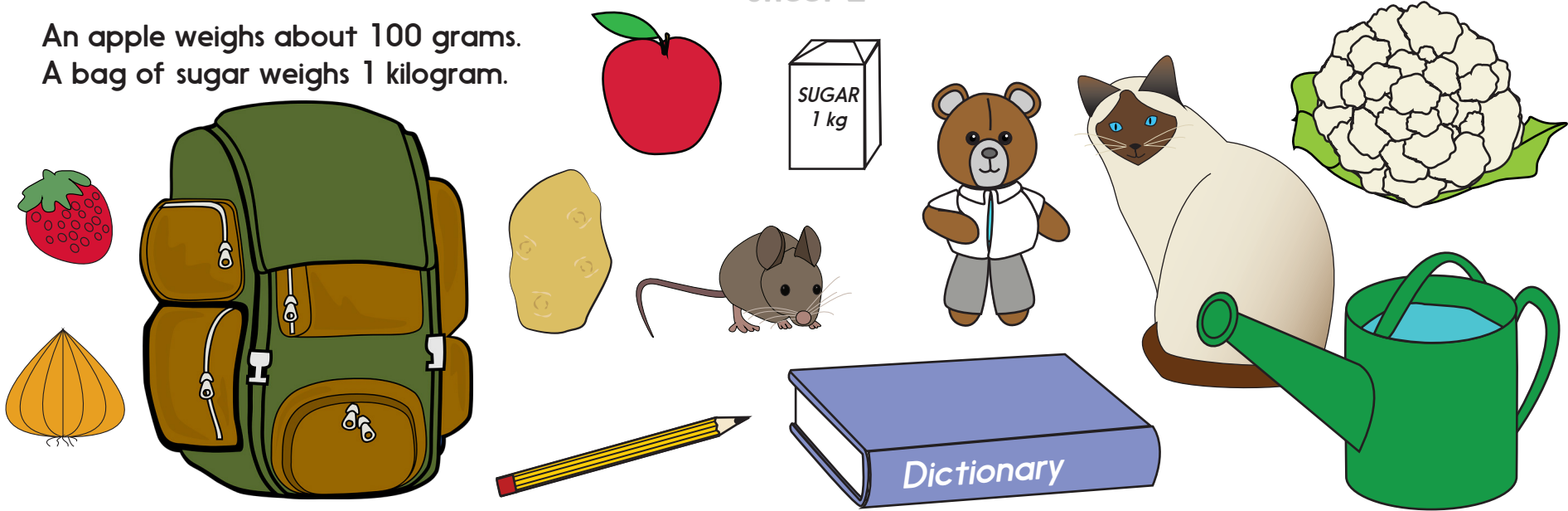
Challenge

Which fruit weighs the same as a kiwi and 3 strawberries?

Weight

Sheet 2

An apple weighs about 100 grams.
A bag of sugar weighs 1 kilogram.

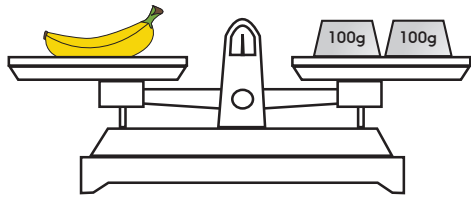


| Draw the things you think will weigh less than 100 grams | Draw the things that might weigh about 1 kilogram | Draw the things you think will weigh more than 1 kilogram |
|---|--|--|
| | | |

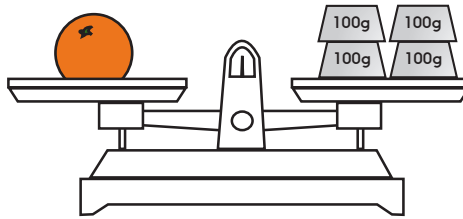
Weight

Sheet 3

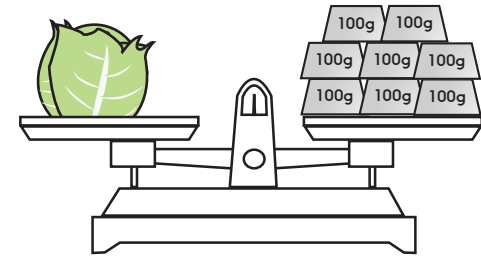
How many 100g weights balance each item?
Write the number of weights. Count in steps of 100 to find the weight in grams.
The first one is done for you.



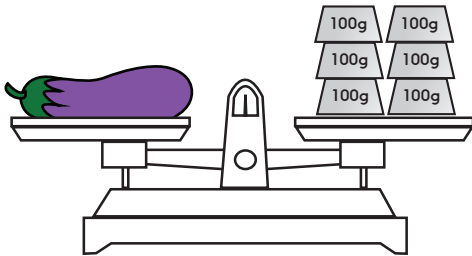
2 weights 200 grams



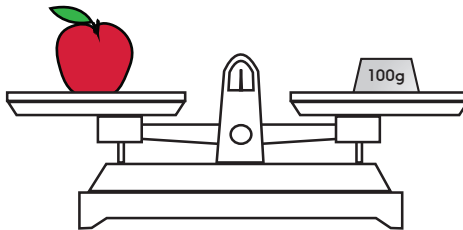
_____ weights _____ grams



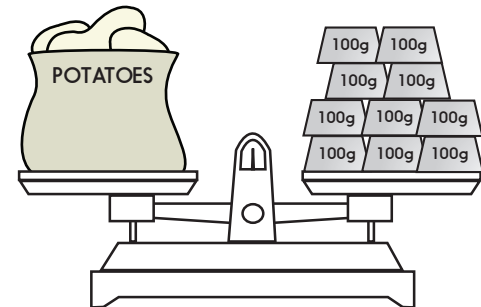
_____ weights _____ grams



_____ weights _____ grams



_____ weights _____ grams



_____ weights _____ grams

Weight

Sheet 4

Draw each item weighed in the correct place in the table below.

| Lighter than 500 grams | Heavier than 500 grams |
|------------------------|------------------------|
| | |

Challenge

Write some items that make the same weight, e.g. 8 apples = 1 cabbage.

Measures and data

Answers

Day 1 Y1 Which is heavier? Sheet 1

1. Lorry
2. Tractor
3. Bike
4. Scooter
5. Roller boot
6. Plane
7. Banana
9. Apple
10. Football

Day 2 Y1 Which is heavier? Sheet 2

The **chair**, **water bottle** and **lunchbox** might all be heavier than the glue stick.
The **pen**, **glue stick**, **paintbrush** and **lunchbox** might all be lighter than the shoe.
The **drawing pin**, **straw** and **needle** might all be lighter than the pencil.

Challenge

Items that would weigh about the same as a toy car, e.g. glue stick, apple, small rubber, whiteboard pen....

Day 2 Y2 Weighing objects Sheet 3

| Lighter than 100g | Heavier than 100g |
|--|--|
| e.g. <i>Ruler, erasers, pencils, pencil sharpener, glue stick, cubes, scissors</i> | e.g. <i>Shoe, large book, small book, water bottle, lunchbox</i> |

Day 2 Y1 Weighing fruits Sheet 1

1. Which fruit is the heaviest? **Pineapple**
2. Which fruit is the lightest? **Grape**
3. Which two fruits weigh the same? **Apple and banana**
4. Which fruit weighs the same as 2 bricks? **Strawberry or 2 grapes**
5. Which fruit is the second heaviest? **Melon**
6. Which fruit weighs the same as 3 bricks? **Kiwi**

Challenge

Kiwi (3 bricks) and 3 strawberries (3 x 2 bricks) weigh the same as a **melon** (9 bricks).

Measures and data

Answers

Day 2 Y2 Weight Sheet 2

| Items weighing less than 100g | Items weighing about 1kg | Items weighing more than 1kg |
|---|--|---|
| e.g. <i>pencil, strawberry, onion, potato, apple, mouse</i> | e.g. <i>sugar, teddy bear, cauliflower, dictionary</i> | e.g. <i>cat, rucksack, watering can</i> |

Day 2 Y2 Weight Sheets 3 and 4

| | |
|-----------|--------------------------|
| Banana | 2 x 100g = 200g |
| Orange | 4 x 100g = 400g |
| Cabbage | 8 x 100g = 800g |
| Aubergine | 6 x 100g = 600g |
| Apples | 1 x 100g = 100g |
| Potatoes | 10 x 100g = 1000g = 1 kg |

| Lighter than 500g | Heavier than 500g |
|---|--|
| <i>banana = 200g orange = 400g apple = 100g</i> | <i>cabbage = 800g aubergine = 600g bag of potatoes = 1kg</i> |

Challenge

Accept any equality, e.g. 2 bananas = 1 orange
2 oranges = 1 cabbage
1 bag of potatoes = 2 bananas + 1 aubergine, etc.