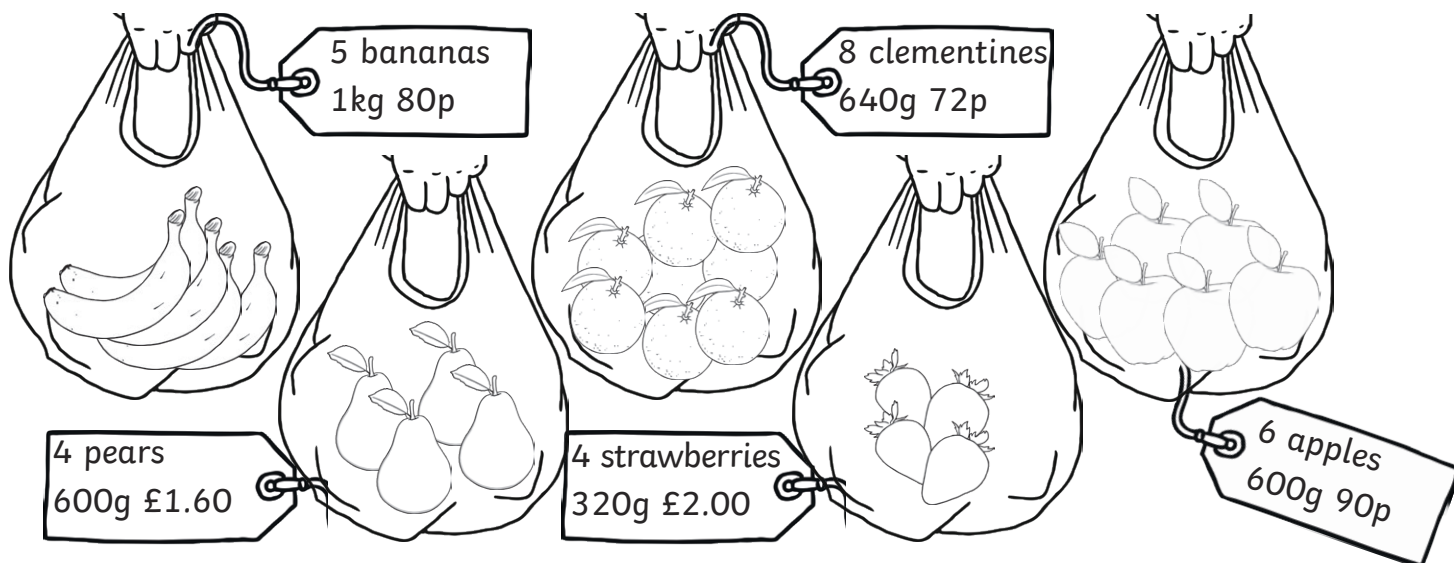
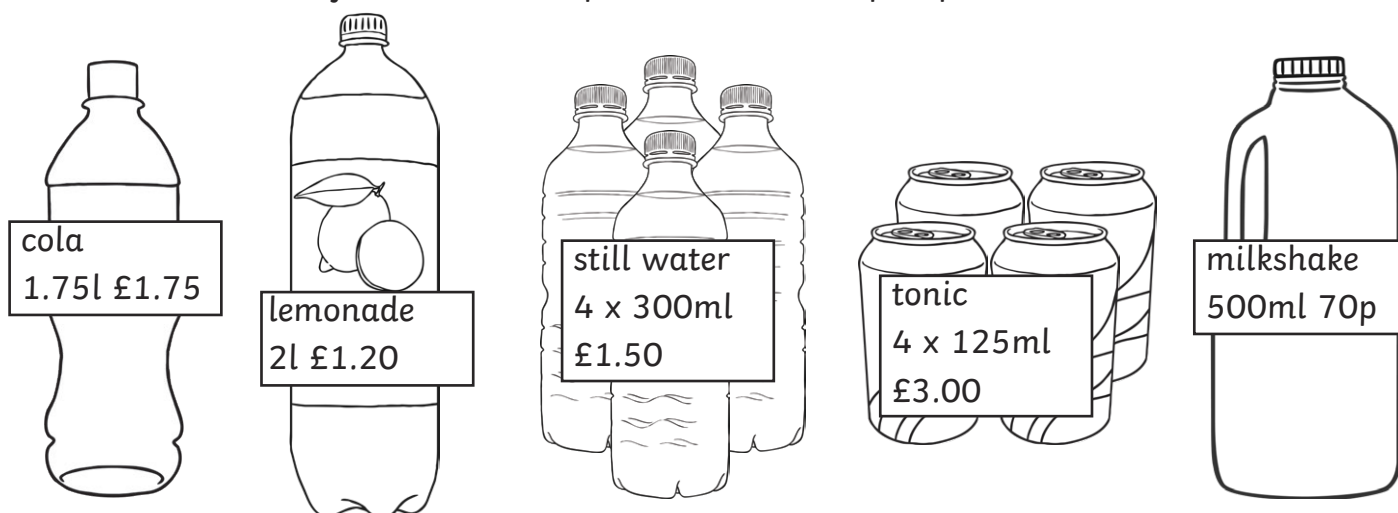


Problem Solving Using Decimal Notation

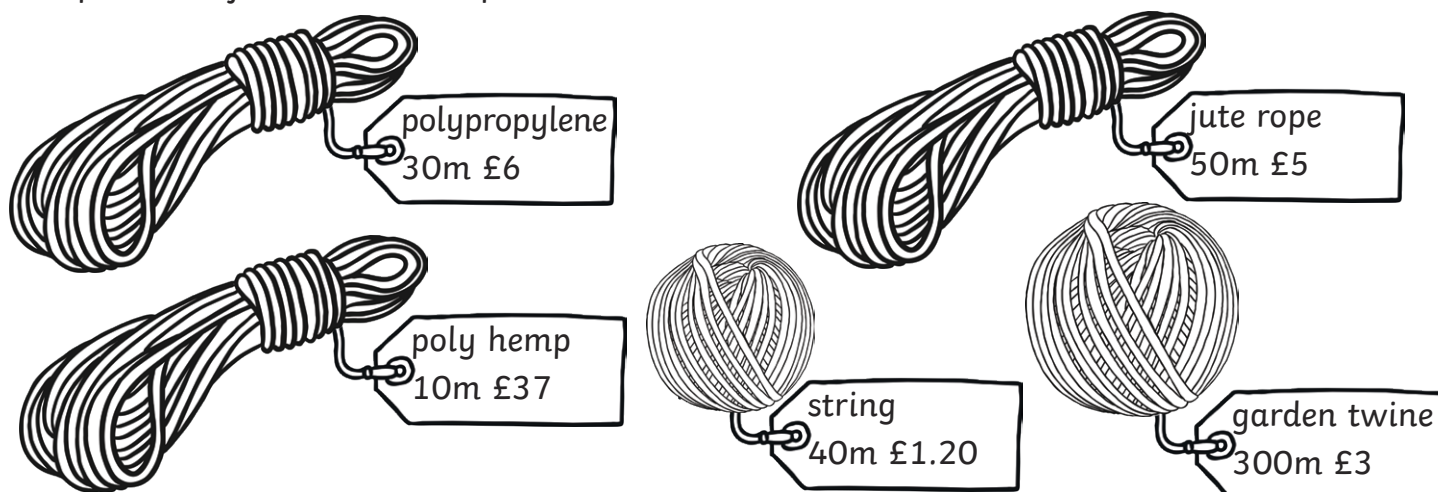
1. Here are some bags of fruit sold in a supermarket.
Calculate the cost and weight of each item of fruit.



2. Here are some drinks bottles sold in a supermarket.
Order the drinks from the most expensive to the cheapest per litre.



3. Here are some ropes and string sold by a DIY store. Order each rope or string by the cost per metre from the most expensive to the least.



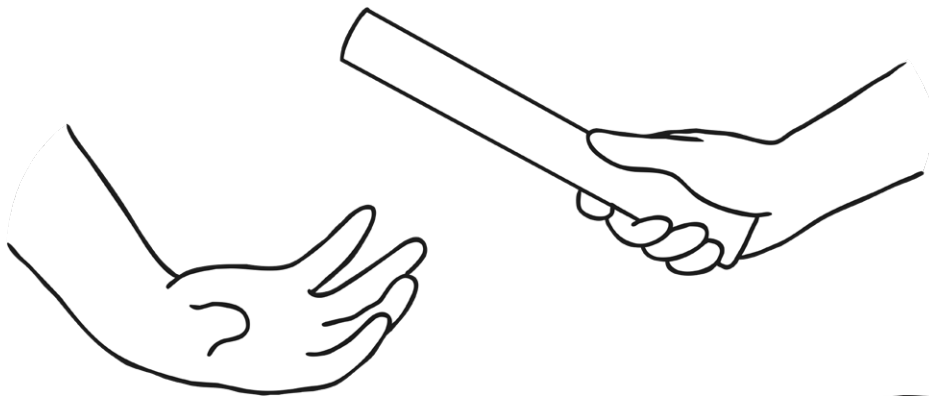
Problem Solving Using Decimal Notation

4. The following are the distances run by athletes in the Olympic games.
Order them from longest to shortest.

200m	10km
800m	400m
1500m	5km
100m	



If an athlete competes in four 100m races and three 200m races, how far do they race in kilometres?



5. A recipe for chocolate brownies contains the following ingredients:
- 300g butter
 - 200g dark chocolate
 - 250g sugar
 - 50g flour
 - 100g cocoa



A baker makes 20 times the recipe. Calculate how much of each ingredient is needed in kg.

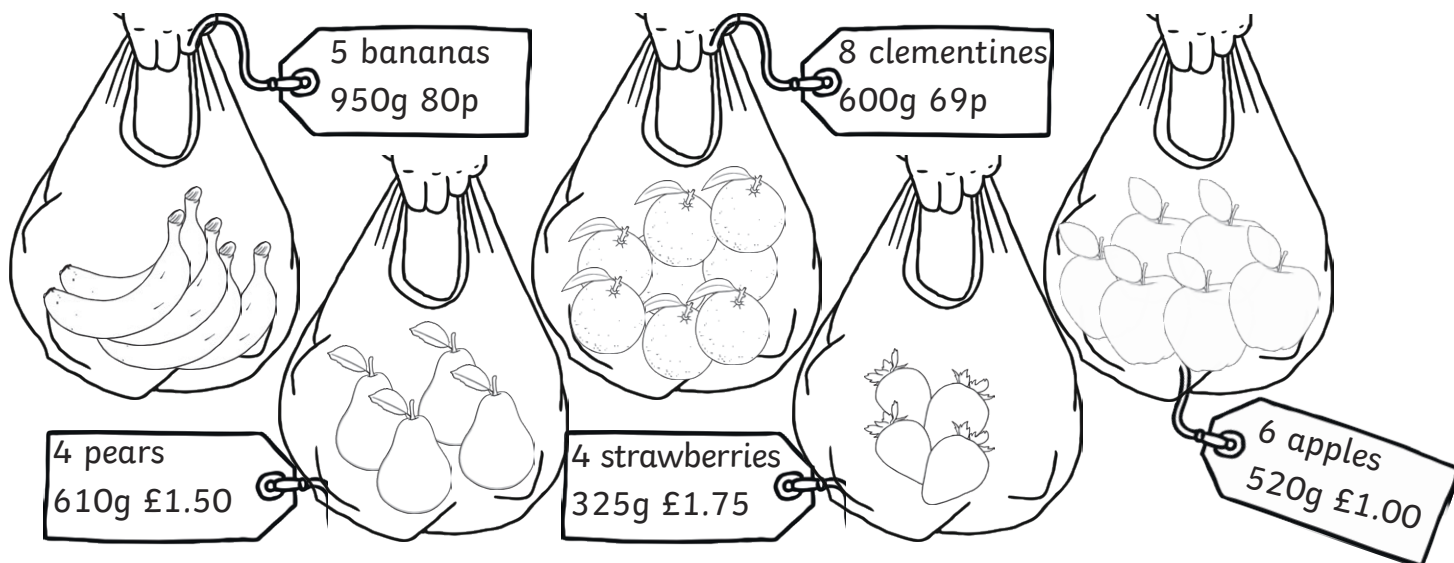
Problem Solving Using Decimal Notation

Answers

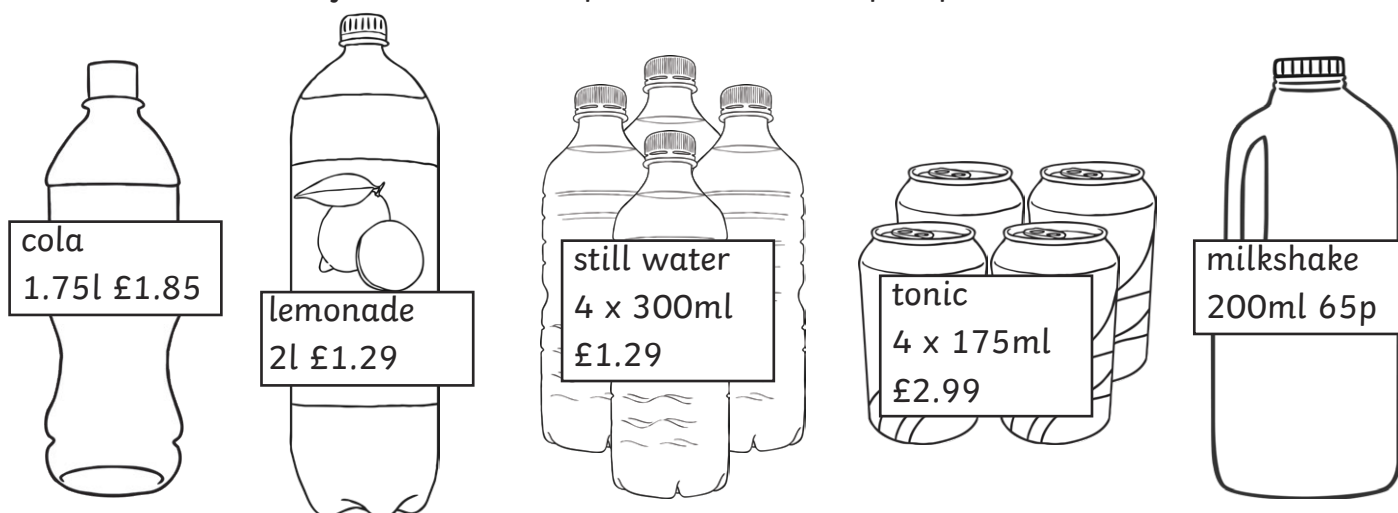
- Here are some bags of fruit sold in a supermarket.
Calculate the cost and weight of each item of fruit.
Bananas, 200g each, 16p each
Clementines, 80g each, 9p each
Apples, 100g each, 15p each
Pears, 150g each, 40p each
4 strawberries, 80g each, 50p each
- Here are some drinks bottles sold in a supermarket. Order the drinks from most expensive to the cheapest per litre.
Tonic £6 per l
Milkshake £1.40 per l
Still water £ 1.25 per l
Cola £1 per l
Lemonade 60p per l
- Here are some ropes and string sold by a DIY store. Order each rope or string by the cost per metre from the most expensive to the least.
Hemp rope, £3.70 per m
Polypropylene rope 30m, 20p per m
Jute rope 50m, 10p per m
String, 3p per m
Garden twine, 1 p per m
- The following are the distances run by athletes in the Olympic games. Order them from longest to shortest.
10km, 5km, 1500m, 800m, 400m, 200m, 100m.
If an athlete competes in four 100m races, three 200m races and two 100m relay legs, how far do they race in kilometres?
1km
5. A recipe for chocolate brownies contains the following ingredients:
300g butter, 200g dark chocolate, 250g sugar, 50g flour, and 100g cocoa.
A baker makes 20 times the recipe. Calculate how much of each ingredient is needed in kg.
20 recipes: 6000g butter, 4000g chocolate, 5000g sugar, 1000g flour, 2000g cocoa.
in kg: 6kg butter, 4kg chocolate, 5kg sugar, 1 kg flour, 2kg cocoa.
Easy answers use the following with 20 times the recipe
1 recipe 300 200 250 50 100
20 recipes 6000 4000 5000 1000 2000
in kg 6 4 5 1 2

Problem Solving Using Decimal Notation

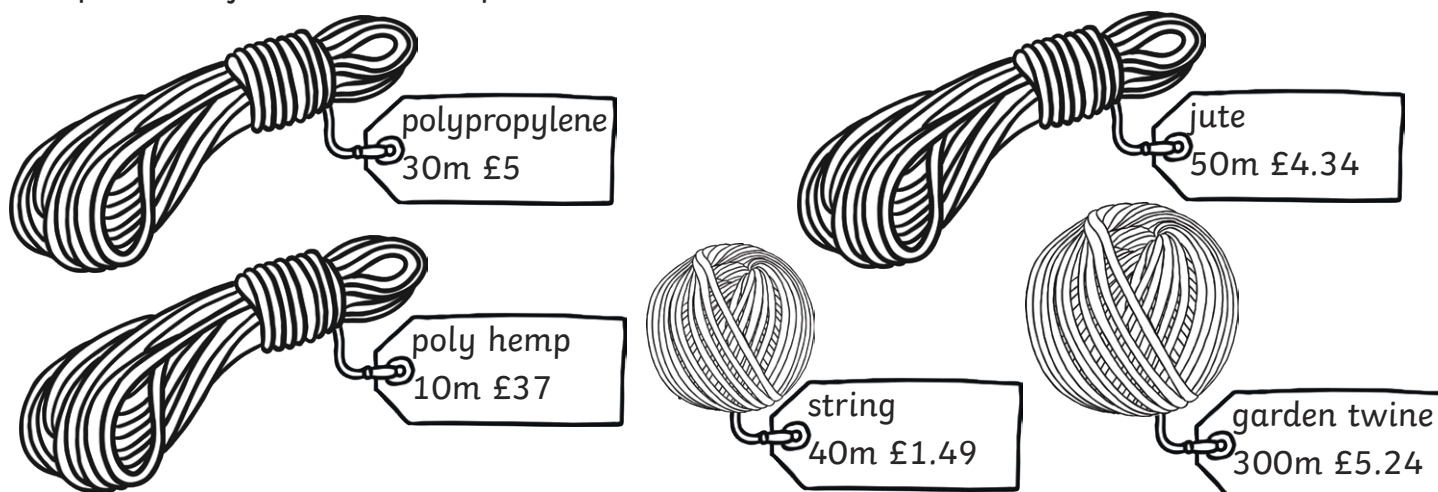
1. Here are some bags of fruit sold in a supermarket.
Calculate the cost and weight of each item of fruit.



2. Here are some drinks bottles sold in a supermarket.
Order the drinks from the most expensive to the cheapest per litre.



3. Here are some ropes and string sold by a DIY store. Order each rope or string by the cost per metre from the most expensive to the least.



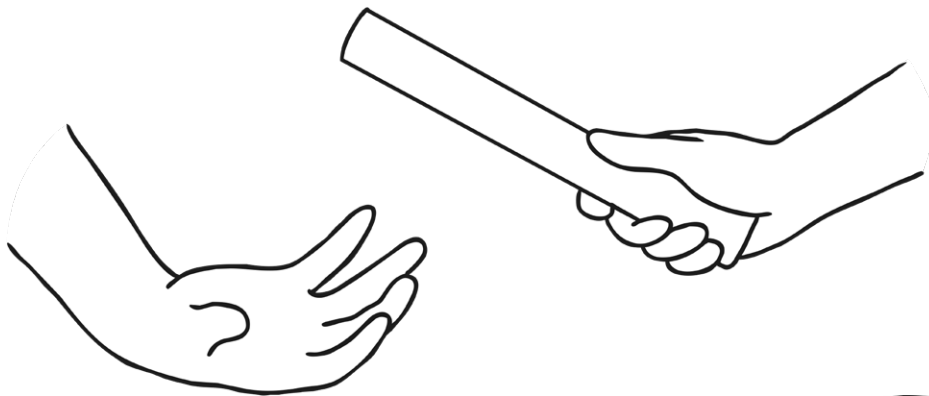
Problem Solving Using Decimal Notation

4. The following are the distances run by athletes in the Olympic games.
Order them from longest to shortest.

200m	10km
110 Hurdles	400m
800m	4 x 400m relay
100m	3km steeplechase
1500m	5km



If an athlete competes in four 100m races, three 200m races and two 100m relay legs, how far do they race in kilometres?



5. A recipe for chocolate brownies contains the following ingredients:

250g butter
200g dark chocolate
375g sugar
50g flour
85g cocoa



A baker makes 25 times the recipe. Calculate how much of each ingredient is needed in kg.

Problem Solving Using Decimal Notation

Answers

- Here are some bags of fruit sold in a supermarket.
Calculate the cost and weight of each item of fruit.
Bananas, 190g each, 16p each
Clementines, 75g each, 8.625p each
Apples, 86.67g each, 16.67p each
Pears, 152.5g each, 37.5p each
4 strawberries, 81.25g each, 43.75p each
- Here are some drinks bottles sold in a supermarket. Order the drinks from most expensive to the cheapest per litre.
Tonic £4.27 per l
Milkshake £3.25 per l
Still water £ 1.07 per l
Cola £1.06 per l
Lemonade 64.5p per l
- Here are some ropes and string sold by a DIY store. Order each rope or string by the cost per metre from the most expensive to the least.
Hemp rope, £3.70 per m
Polypropylene rope 30m, 16.7p per m
Jute rope 50m, 8.7p per m
String, 3.72p per m
Garden twine, 1.75p per m
- The following are the distances run by athletes in the Olympic games. Order them from longest to shortest.
10km, 5km, 3km steeplechase, 4 x 400m relay, 1500m, 800m, 400m, 110m hurdles, 100m.
If an athlete competes in four 100m races, three 200m races and two 100m relay legs, how far do they race in kilometres?
1.2km
- A recipe for chocolate brownies contains the following ingredients:
250g butter, 200g dark chocolate, 375g sugar, 50g flour, and 85g cocoa.
A baker makes 25 times the recipe. Calculate how much of each ingredient is needed in kg.
25 recipes: 6250g butter, 5000g chocolate, 9375g sugar, 1250g flour, 2125g cocoa.
in kg: 6.25kg butter, 5kg chocolate, 9.375kg sugar, 1.250 kg flour, 2.125kg cocoa.
Easy answers use the following with 25 times the recipe
1 recipe 250 200 375 50 85
25 recipes 6250 5000 9375 1250 2125
in kg 6.25 5 9.375 1.25 2.125