

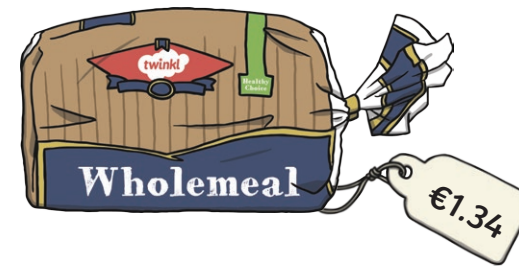
# Decimal Word Problems

## Challenge Cards



### Decimal Word Problems

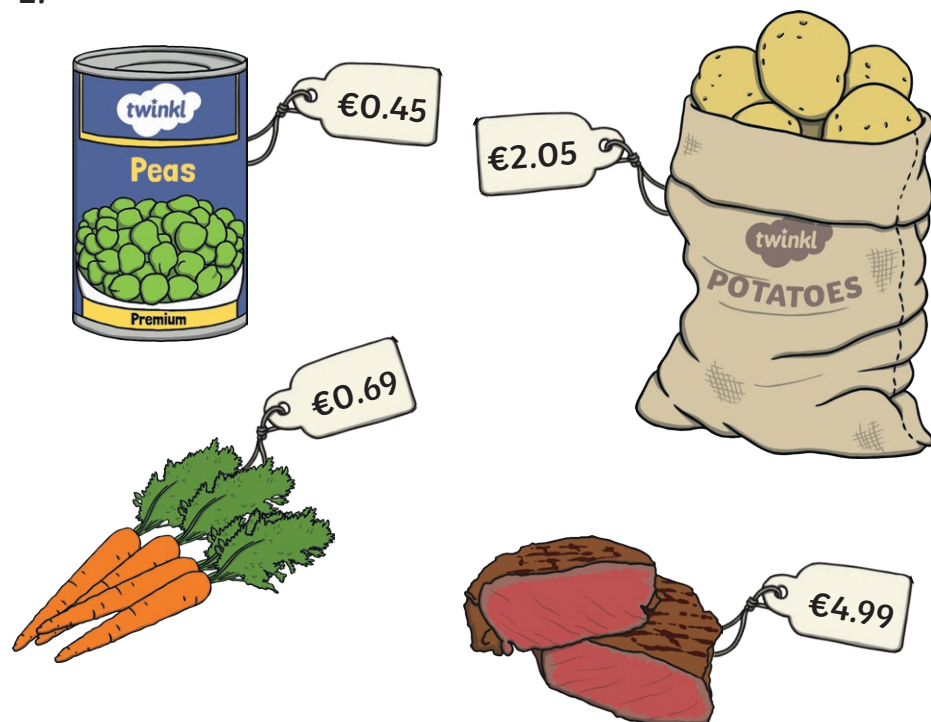
1.



- What is the total cost of a loaf of bread, jar of jam and butter?
- How much more does the carton of orange juice cost than the jar of jam?
- Find the total cost of 1 of each item.
- What change would you get from €5 if you bought one of each item?

## Decimal Word Problems

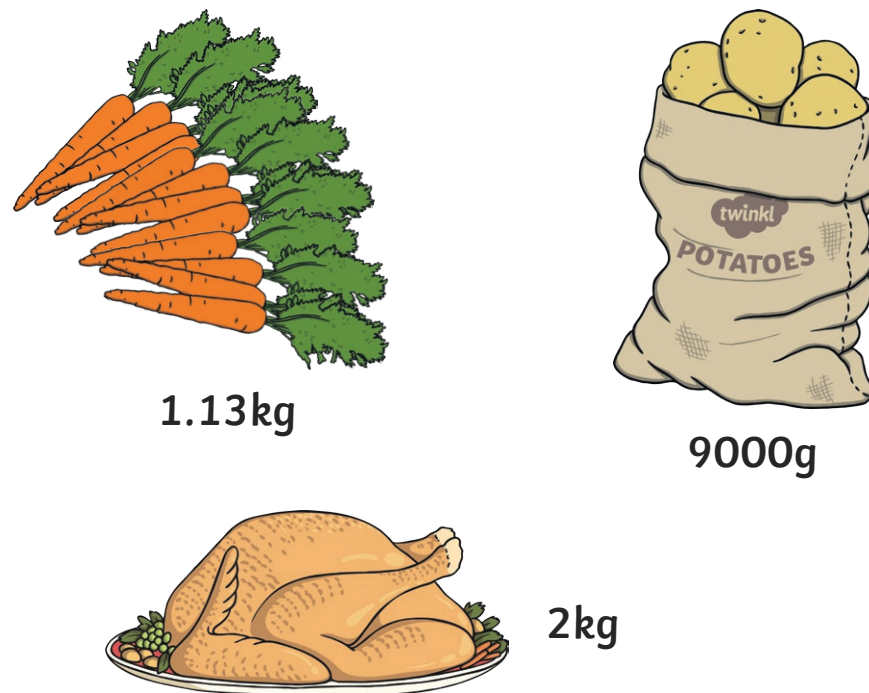
2.



- What is the total cost of a tin of peas and a bag of potatoes?
- How much more does a bag of carrots cost than a tin of peas?
- Find the total cost of all of the items.
- What change would you get from €10 if you bought one of each item?

## Decimal Word Problems

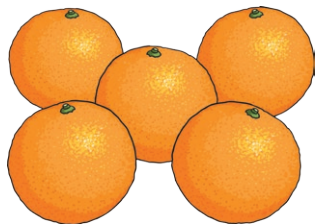
3.



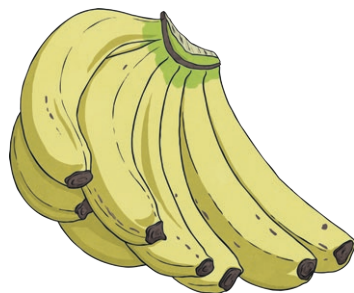
- What is the total weight of the bag of potatoes and the bag of carrots?
- How much heavier is the bag of potatoes than the bag of carrots?
- How much heavier is the turkey than the carrots?
- What is the total weight of the 3 items?

## Decimal Word Problems

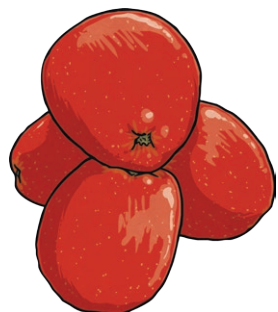
4.



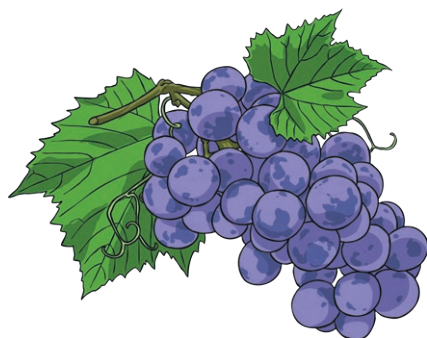
1.43kg



1940g



1.5kg



630g

- a. What is the total weight of the bag of oranges, the bag of bananas and the bag of apples?
- b. How much heavier is the bag of apples than the bag of oranges?
- c. How much heavier is the bag of bananas than the bag of grapes?
- d. What is the total weight of the 4 items?

1a. What is the total cost of a loaf of bread, jar of jam and butter?

$$\begin{array}{r} \text{loaf of bread} = \quad \quad \text{€1.34} \\ \text{the jar of jam} = \quad + \text{€0.99} \\ \text{the tub of butter} = \quad + \text{€0.65} \\ \hline \end{array}$$

**Answer: €2.98**

1b. How much more does the carton of orange juice cost than the jar of jam?

$$\begin{array}{r} \text{carton of orange juice} = \text{€1.13} \\ \text{the jar of jam} = \quad \quad - \text{€0.99} \\ \hline \end{array}$$

**Answer: €0.14**

1c. Find the total cost of one of each item.

$$\begin{array}{r} \text{loaf of bread} = \quad \quad \text{€1.34} \\ \text{the jar of jam} = \quad \quad + \text{€0.99} \\ \text{the tub of butter} = \quad + \text{€0.65} \\ \text{carton of orange juice} = \quad + \text{€1.13} \\ \hline \end{array}$$

**Answer: €4.11**

1d. What change would you get from €5 if you bought one of each item?

$$\begin{array}{r} \text{money:} \quad \quad \quad \text{€5.00} \\ \text{total cost of items:} \quad - \text{€4.11} \\ \hline \end{array}$$

**Answer: €0.89**

2a. What is the total cost of a tin of peas and a bag of potatoes?

$$\begin{array}{r} \text{tin of peas} = \quad \quad \text{€0.45} \\ \text{bag of potatoes} = \quad + \text{€2.05} \\ \hline \end{array}$$

**Answer: €2.50**

2b. How much more does the bag of carrots cost than the tin of peas?

$$\begin{array}{r} \text{bag of carrots} = \quad \quad \text{€0.69} \\ \text{tin of peas} = \quad \quad \quad - \text{€0.45} \\ \hline \end{array}$$

**Answer: €0.24**

2c. Find the total cost of all of the items.

$$\begin{array}{r} \text{tin of peas} = \quad \quad \text{€0.45} \\ \text{bag of potatoes} = \quad + \text{€2.05} \\ \text{bag of carrots} = \quad + \text{€0.69} \\ \text{two steaks} = \quad \quad \quad + \text{€4.99} \\ \hline \end{array}$$

**Answer: €8.18**

2d. What change would you get from €10 if you bought 1 of each item?

$$\begin{array}{r} \text{money:} \quad \quad \quad \text{€10.00} \\ \text{total cost of items:} \quad - \text{€8.18} \\ \hline \end{array}$$

**Answer: €1.82**

3a. What is the total weight of the bag of potatoes and the carrots?

$$\begin{array}{r} \text{bag of potatoes} = 9000\text{g} \\ \text{bag of carrots} = 1.13\text{kg} = 1130\text{g} \\ \hline \end{array}$$

**Answer:** **10 130g or 10.13kg**

3b. How much heavier is the bag of potatoes than the bag of carrots?

$$\begin{array}{r} \text{bag of potatoes} = 9000\text{g} \\ \text{bag of carrots} = 1.13\text{kg} = 1130\text{g} \\ \hline \end{array}$$

**Answer:** **7870g or 7.87kg**

3c. How much heavier is the turkey than the carrots?

$$\begin{array}{r} \text{turkey} = 2\text{kg or } 2000\text{g} \\ \text{carrots} = 1.13\text{kg or } 1130\text{g} \\ \hline \end{array}$$

**Answer:** **870g or 0.87kg**

3d. What is the total weight of the 3 items?

$$\begin{array}{r} \text{bag of potatoes} = 9000\text{g} \\ \text{bag of carrots } 1.13\text{kg or } 1130\text{g} \\ \text{turkey} = 2\text{kg or } 2000\text{g} \\ \hline \end{array}$$

**Answer:** **12130g or 12.13kg**

4a. What is the total weight of the bag of oranges, the bag of bananas and the bag of apples?

$$\begin{array}{r} \text{bag of oranges} = 1.43\text{kg} = 1430\text{g} \\ \text{bag of bananas} = 1940\text{g} \\ \text{bag of apples} = 1.5\text{kg} = 1500\text{g} \\ \hline \end{array}$$

**Answer:** **4870g or 4.87kg**

4b. How much heavier is the bag of apples than the bag of oranges?

$$\begin{array}{r} \text{bag of apples} = 1.5\text{kg} = 1500\text{g} \\ \text{bag of oranges} = 1.43 = 1430\text{g} \\ \hline \end{array}$$

**Answer:** **70g or 0.07kg**

4c. How much heavier is the bag of bananas than the bag of grapes?

$$\begin{array}{r} \text{bag of bananas} = 1940\text{g} \\ \text{bag of grapes} = 630\text{g} \\ \hline \end{array}$$

**Answer:** **1310g or 1.31kg**

4d. What is the total weight of the 4 items?

$$\begin{array}{r} \text{bag of oranges} = 1.43\text{kg} = 1430\text{g} \\ \text{bag of bananas} = 1940\text{g} \\ \text{bag of apples} = 1.5\text{kg} = 1500\text{g} \\ \text{bag of grapes} = 630\text{g} \\ \hline \end{array}$$

**Answer:** **5500g or 5.5kg**