

A piece of string is 2.76 m long.

How many 30 mm pieces can be cut from the string?

pieces

Orange juice is sold in bottles and cartons.

- a) Which is better value, the carton or the bottle? \_\_\_\_\_  
Explain your answer.



- b) Dexter buys 12 cartons and 5 bottles of juice.  
He pours them into glasses with 200 ml of juice in each glass.  
He sells each glass of juice for 40p.  
He sells all the glasses of juice.  
How much profit does he make?

Ribbon is sold in 225 mm pieces.  
Teddy needs 5 metres of ribbon.  
How many pieces does he need to buy?

Cola is sold in bottles and cans.



Alex buys 5 cans and 3 bottles.  
She sells the cola in 100 ml glasses.  
She sells all the cola.  
How many glasses does she sell?  
  
Alex charges 50 p per glass.  
How much profit does she make?

Teddy would like to make either a bookmark or a rosette with his left over ribbon. Which can he make?

To make 5 bookmarks you will need:  
1.2 metres of ribbon  
1 pair of scissors

To make 1 mini rosette you will need:  
4 pieces of ribbon cut to 35 mm  
A stapler

Answers:

A piece of string is 2.76 m long.

How many 30 mm pieces can be cut from the string?

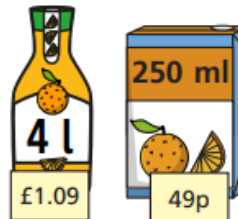
92 pieces

Orange juice is sold in bottles and cartons.

a) Which is better value, the carton

or the bottle? bottle

Explain your answer.



b) Dexter buys 12 cartons and 5 bottles of juice. (23 litres)

He pours them into glasses with 200 ml of juice in each glass. (115 glasses)

He sells each glass of juice for 40p. (£46)

He sells all the glasses of juice.

How much profit does he make?

$$12 \times 49p + 5 \times £1.09 = £11.33$$

$$£46 - £11.33 = £34.67$$

£34.67

Cola is sold in bottles and cans.



Alex buys 5 cans and 3 bottles.

She sells the cola in 100 ml glasses.

She sells all the cola.

How many glasses does she sell?

Alex charges 50 p per glass.

How much profit does she make?

Alex sells 54 glasses.

Alex makes £19.83 profit.

Ribbon is sold in 225 mm pieces.  
Teddy needs 5 metres of ribbon.  
How many pieces does he need to buy?

Teddy would like to make either a bookmark or a rosette with his left over ribbon. Which can he make?

To make 5 bookmarks you will need:  
1.2 metres of ribbon  
1 pair of scissors

To make 1 mini rosette you will need:  
4 pieces of ribbon cut to 35 mm  
A stapler

Teddy buys 23 pieces of ribbon.

Teddy will have 175 mm left over.

A bookmark needs 240 mm, and a rosette needs 140 mm so he can make the rosette.