

Direct proportion (2) - downloadable resource.



Try this

Yasmin is buying some chain for a project. Three hardware shops each have different deals:

Shop A

Chain costs 8p per 2cm.

Length (cm)	2	4	6	8	10	12	14	16
Cost (pence)			24					64

Shop B

Chain costs 40p to start, then 2p per 2cm.

Length (cm)	2	4	6	8	10	12	14	16
Cost (pence)	42			48				

Shop C

Chain costs 10p per 2cm for the first 10cm, then 4p per 2cm.

Length (cm)	2	4	6	8	10	12	14	16
Cost (pence)				40		58		

Copy and complete the tables. Which shop should Yasmin buy her chain from?



Independent task

1) A meal in a restaurant costs a fixed price for each person.

For seven people the total cost is £161.

What is the total cost for eight people?

2) Seven chocolate bars cost £3.15 altogether.

a) How much will three chocolate bars cost?

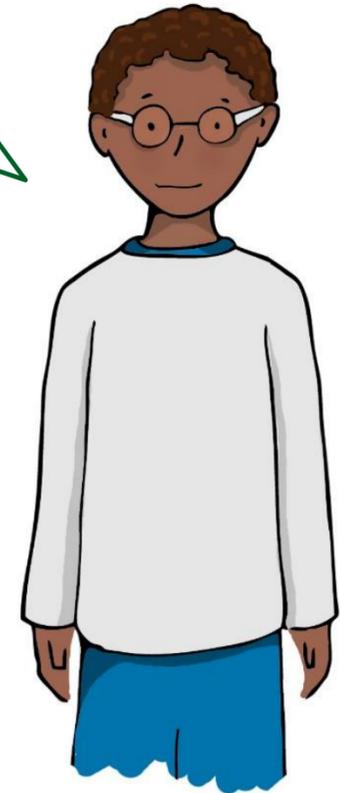
b) How much will ten chocolate bars cost?



Explore

Cordial (ml)	300	600	
Water (ml)	1200	2000	

The amount of cordial is directly proportional to the amount of water..



Xavier makes 2 pitchers of juice. How do you know his statement is incorrect?

Change **one** of the numbers to make this relationship directly proportional.

