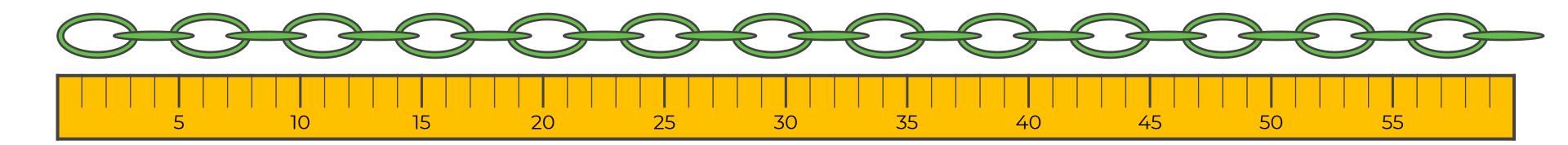
## Constant of proportionality - downloadable resource. Lesson 3 of 12.

Dr Rim Saada

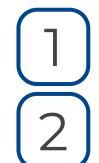


## Try this

The cost of this chain is directly proportional to its length.



Length (cm)	0	5	10	15	20	25	30	35	40	45	50	55	60
Cost (p)	0	15	30	45		75		105			150		180



Complete the table for the cost of the multiples of 5.

Create and complete the table for the cost of the multiples of 2.

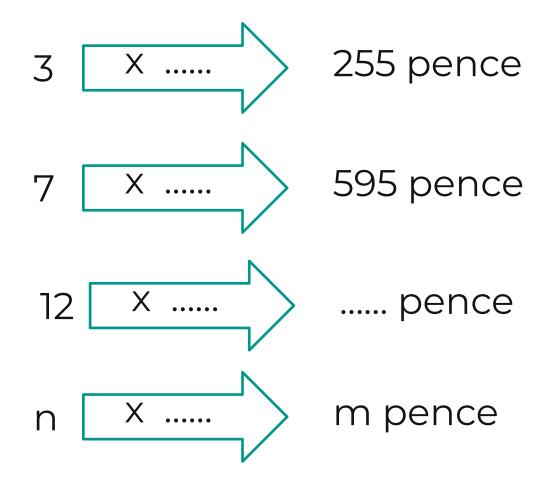


## Independent task

1) Three 'Chunkie' chocolate bars cost £2.55. Seven 'Chunkie' chocolate bars cost £5.95.

*n* 'Chunkie' chocolate bars cost *m* pence.

Fill in the gaps to represent this.



2) The number of mugs is directly proportional to the cost of the mugs.Complete the table below without finding the cost of 1 mug.

Number of mugs	4			
Cost	£1.60	£2.80	£3.60	£4.00

3) The number of hours Alex works is directly proportional to the pay he receives. Complete the table below without finding the pay for 1 hour.

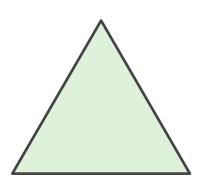
Hours	work
Pay	

ed		17		31	
	£150	£212.50	£237.50		



## Explore

The relationship between the height of these shapes and their perimeter is directly proportional. Fill in these tables...



1	2	10
3.46		
	1 3.46	1 2 3.46

