

Popcorn Percentage

Amazing Fact

The cost of a tub of popcorn to a cinema is always a lot less than the price customers pay.

Challenge

Screen Zone Cinema sells different flavours of popcorn in a number of different-sized boxes.

The cost of salted and sweet popcorn to a cinema is 10% of the price a customer pays.

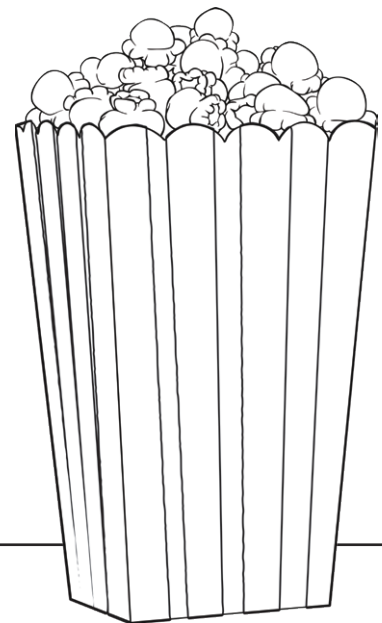
The cost of caramel popcorn to a cinema is 30% of the price a customer pays.

The cost of toffee and chocolate popcorn is 40% of the price a customer pays.

Calculate the amount of profit made by Screen Zone Cinema on each popcorn product sold.

Flavour	Tub size	Customer Price	Cinema Price	Money made by the cinema
Salted	S	£1.50		
Salted	M	£1.80		
Salted	L	£2.00		
Sweet	S	£1.30		
Sweet	M	£1.40		
Sweet	L	£1.90		
Caramel	S	£2.10		
Caramel	M	£2.30		
Caramel	L	£2.70		

Flavour	Tub size	Customer Price	Cinema Price	Money made by the cinema
Toffee	S	£2.10		
Toffee	M	£2.30		
Toffee	L	£2.70		
Chocolate	S	£2.00		
Chocolate	M	£2.80		
Chocolate	L	£3.10		



You could also try to find out:

- why cinemas charge so much for popcorn;
- how much profit the most popular films of last year made;
- how the cinema has changed in popularity.

Popcorn Percentage Answers

Flavour	Tub size	Customer Price	Cinema Price	Money made by the cinema
Salted	S	£1.50	15p	£1.35
Salted	M	£1.80	18p	£1.62
Salted	L	£2.00	20p	£1.80
Sweet	S	£1.30	13p	£1.17
Sweet	M	£1.40	14p	£1.26
Sweet	L	£1.90	19p	£1.71
Caramel	S	£2.10	63p	£1.47
Caramel	M	£2.30	69p	£1.61
Caramel	L	£2.70	81p	£1.89
Toffee	S	£2.10	84p	£1.26
Toffee	M	£2.30	92p	£1.38
Toffee	L	£2.70	£1.08	£1.62

Flavour	Tub size	Customer Price	Cinema Price	Money made by the cinema
Chocolate	S	£2.00	80p	£1.20
Chocolate	M	£2.80	£1.12	£1.68
Chocolate	L	£3.10	£1.24	£1.86

