

Moon bars cost £2.40 for a pack of 6 bars.
What is the cost per bar?

Rocket bars cost 60p each.
Comet bars cost 30p each.
Phoebe has £3.
How many of each bar could she buy?
Find all the possibilities.

Class 4 ask the whole school of 200 children 'What is your favourite chocolate bar?'

The responses were:
Rocket bar = 98 Comet bar = 34
Planet bar = 43 Asteroid bar = ?
Moon bar = 21

Asteroid bars are sold in packs for £1.17.
How much would it cost to buy a pack for each child who chose Asteroid bars?

CARD 14

Class 4 ask the whole school of 200 children 'What is your favourite chocolate bar?'

The responses were:
Rocket bar = 98
Comet bar = 34
Planet bar = 43
Asteroid bar = ?
Moon bar = 21

How many children chose the Asteroid bar?

What if...
...the cost of the bars changed?

Class 4 ask the whole school of 200 children 'What is your favourite chocolate bar?'

The responses were:
Rocket bar = 98 Comet bar = 34
Planet bar = 43 Asteroid bar = ?
Moon bar = 21

How many children chose the Asteroid bar?
Asteroid bars are sold in packs for £1.17.
How much would it cost to buy a pack for each child who chose Asteroid bars?

Phoebe says that more children liked Rocket bars than Planet bars and Comet bars added together.
Is she correct?
Explain how you know.

What if...

Less straight forward

Finding all possibilities

Explain

Instructions left out

More steps

Simple

+/- money
decimals short
x interpreting
data mental ÷
deriving from
known facts

240p
 $6 \times 10 = 60p$
 $6 \times 20p = 120p$
 $6 \times 30p = 180p$
 $6 \times 40p = 240p$
Each bar costs 40p.

Rocket bars	Comet bars
5	0
4	2
3	4
2	6
1	8
0	10

$93 + 43 + 21 + 34 = 196$
4 chose Asteroid bars.

$$£1.17 \times 4 = £4.68$$

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4 chose Asteroid bars.

One possible approach...
All bars are half price.

$93 + 43 + 21 + 34 = 196$
4 chose Asteroid bars.

$$£1.17 \times 4 = £4.68$$

Yes she is correct.
When rounding the number of children who chose Planet and Comet bars up to the nearest 5, the total would be 80 which is fewer than the number of children who chose Rocket bars.