

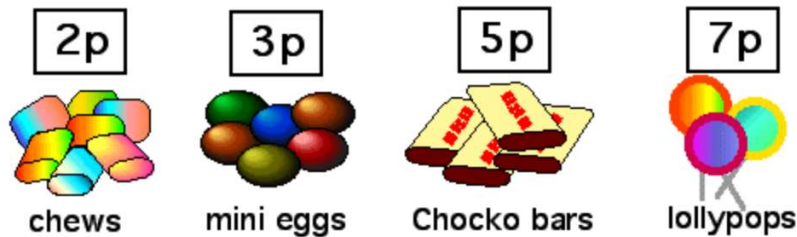
Mrs Millett's help sheet

The Puzzling Sweet Shop

Age 5 to 11 ★★

Rosie went into the sweet shop with 10p to spend.

There were chews for 2p, mini eggs for 3p, Chocko bars for 5p and lollypops for 7p.



What could she buy if she wanted to spend all her money?

Let's look at Rosie first – she has 10p to spend...

10p can be made like this...

$2p+2p+2p+2p+2p$ so how many chews can she buy?

$5p+5p+5p+5p$ so how many Chocko bars can she buy?

$7p+3p$ so what items could she buy?

$5p+3p+2p$ so what items could she buy?

Alice, James, Katie and Henry went into the shop too. They each had 20p to spend and they all spent all of their money.

Alice bought at least one of each kind of sweet. Which one did she have two of?

James spent his money on just one kind of sweet, but he does not like chews. Which sweets did he buy?

Katie bought the same number of sweets as James but she had 3 different kinds. Which sweets did she buy?

Henry chose 8 sweets. What could he have bought?

Alice - $2p+3p+5p+7p=17p$ so what other item can she buy?

James - apart from 2, which sweet divides into 20 without a remainder?

$20 \div 3$? $20 \div 5$? $20 \div 7$?

Katie – $5p+5p+7p+3p=20p$ what sweets are these?

Henry - $\square + \square + \square + \square + \square + \square + \square + \square = 20p$