Problem Solving

White Rose Maths

1 A car park is full.

- $\frac{1}{3}$ of the cars leave

- 60% of the remaining cars are red.

There are 174 red cars.

How many cars left the car park?

145 cars

2 Mo has some red and green sweets.

- He eats $\frac{1}{3}$ of the sweets.

- $\frac{3}{4}$ of the sweets left over are green.

- Mo buys himself 30 more green sweets.

There are now 162 green sweets.

How many sweets did Mo start with?   264 sweets

Modelled solutions are on the video

Problem Solving

White Rose Maths

3 Eva has £6.05 in a moneybox.

She only has 20p, 10p and 5p coins.

For every two 10p coins in the box, Eva has one 20p coin and three 5p coins.

How many of each coin does Eva have in her moneybox?
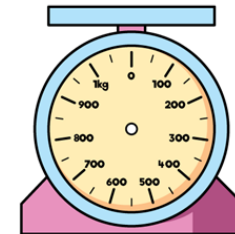
Money

10p × 22

20p × 11

5p × 33

4 Dexter has to make the scales read between 250 g and 300 g.

He only has 10 g, 25 g and 50 g weights.

He has to use at least one of each weight.

For every three 10 g weights on the scales, Dexter uses one 25 g weight.

What combinations could he use?

Various combinations

Modelled solutions are on the video