

Problems of the Day 2020

Day
8

1 Workers in a factory make toys.

- On Monday they make 2,350 toys.
- On Tuesday they make 235 more toys than they did on Monday.

By Wednesday they have to make 7,500 toys in total.

How many toys do they need to make on Wednesday to make 7,500 in total?

$$\begin{aligned}2,350 + 235 &= 2,585 \\2,350 + 2,585 &= 4,935 \\7,500 - 4,935 &= 2,565\end{aligned}$$

They need to make 2,565 toys on Wednesday.

2



Carrots
80p per 100g

How much does 250 g of carrots cost?

$$200\text{g} = 80\text{p} + 80\text{p} = \text{£}1.60$$

$$50\text{g} = 80 \div 2 = 40\text{p}$$

$$250\text{g} = \text{£}1.60 + 40\text{p} = \text{£}2.00$$

3



Parsnips
75p per 100g

How much does 1kg cost?

$$1\text{kg} = 1000\text{g}$$

$$100 \times 10 = 1000$$

$$75\text{p} \times 10 = 750\text{p} = \text{£}7.50$$

White
Rose
Maths