

Unitary Method - Review



1. At the school shop, the total price of 3 identical rulers is 81p. What would be the cost of 7 of the same rulers?

2. Suzie gets a part time job at a hairdressers. The wages are directly proportional to the hours she works. If Suzie received £22.50 pay for 5 hours work, what will be pay for 7 hours work?

3. The weight (mass) of bacon is directly proportional to the number of calories provided by the bacon. If 65 grams of bacon contains 310 calories. How many calories are there in 210 grams of bacon

4. A plane flying at a constant speed travels 450 miles in 0.9 hours. If the plane continues to fly at the same constant speed, what distance will it have covered in 1.5 hours?

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1. At the school shop, the total price of 3 identical rulers is 81p. What would be the cost of 7 of the same rulers?

Find the price of one ruler $\rightarrow 81 \div 3 = 27$

The total price of 7 rulers $\rightarrow 27 \times 7 = 189 \rightarrow \text{£}1.89$

2. Suzie gets a part time job at a hairdressers. The wages are directly proportional to the hours she works. If Suzie received £22.50 pay for 5 hours work, what will be pay for 7 hours work?

Find the pay per hour $\rightarrow 22.50 \div 5 = 4.50$

The pay for 7 hours $\rightarrow 4.50 \times 7 = 31.5 \rightarrow \text{£}31.50$

3. The weight (mass) of bacon is directly proportional to the number of calories provided by the bacon. If 65 grams of bacon contains 310 calories. How many calories are there in 210 grams of bacon

Find the calories in 1 gram $\rightarrow 310 \div 65 = 4.77$

Calories in 210 grams of bacon $\rightarrow 210 \times 4.77 = 1001.7$

4. A plane flying at a constant speed travels 450 miles in 0.9 hours. If the plane continues to fly at the same constant speed, what distance will it have covered in 1.5 hours?

Find the distance for 1 hour $\rightarrow 450 \div 0.9 = 500$

Distance flown in 1.5 hours $\rightarrow 500 \times 1.5 = 730$ miles