

Weekly Question (3 Apr)

Red apples are packed into boxes of 6 and sold at 6 boxes for \$16. Green apples are packed into boxes of 4 and sold at 6 boxes for \$12. How much would Mrs Low save if she buys 720 red apples instead of green apples?

Solution:

$$6 \times 6 = 36 \text{ red apples}$$

$$\text{Cost of 36 red apples} \rightarrow \$16$$

$$\text{Cost of 720 red apples} \rightarrow \$16 \times (720 \div 36) = \$320$$

$$4 \times 6 = 24 \text{ green apples}$$

$$\text{Cost of 24 green apples} \rightarrow \$12$$

$$\text{Cost of 720 green apples} \rightarrow \$12 \times (720 \div 24) = \$360$$

$$\text{Difference in cost between 720 red apples and 720 green apples} \rightarrow \$360 - \$320 = \$40$$

Ans: Mrs Low would save \$40.