

**Question 5**

The same number of cookies were packed equally in big and small boxes. Each big box contained 10 cookies while each small box contained 6 cookies. There were 36 more small boxes than big boxes. How many cookies were there?

Ans: \_\_\_\_\_

**Question 6**

There are 80 chocolate and strawberry cookies. Each chocolate cookie costs \$4 and each strawberry cookie costs \$2. The cookies cost \$220 altogether. How many chocolate cookies are there?

Ans: \_\_\_\_\_

**Question 5**

More (36 small)  $\rightarrow 36 \times 6 = 216$  cookies

Difference (big)  $\rightarrow 216$  cookies

Difference (small)  $\rightarrow 10 - 6 = 4$  cookies

Number of sets  $\rightarrow 216 \div 4 = 54$

Big  $\rightarrow 54$  boxes

Small  $\rightarrow 54 + 36 = 90$  boxes

Total  $\rightarrow 54 \times 10 + 90 \times 6 = 540 + 540 = 1080$  cookies

Ans: 1080 cookies

**Question 6**

Maximum cost (all chocolate)  $\rightarrow 80 \times \$4 = \$320$

Difference (big)  $\rightarrow \$320 - \$220 = \$100$

Difference (small)  $\rightarrow \$4 - \$2 = \$2$

Number of sets  $\rightarrow \$100 \div \$2 = 50$

Chocolate (fewer)  $\rightarrow 50$  cookies

Chocolate  $\rightarrow 80 - 50 = 30$  cookies

Ans: 30 chocolate cookies