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Subject: Maths.

Question 1: MCqs.

(i) e

(ii) b

(iii) b

(iv) c

(v) d

(vi) e

(vii) e

(viii) e

(ix) c

(x) d

$$x - 3y = 9 + 3$$

$$x - 3y = 9 - \text{Equation } \textcircled{2}$$

Subtracting equation  $\textcircled{1}$  from  
equation  $\textcircled{2}$

$$\Rightarrow \underline{x + y = 20} \quad \underline{x - 3y = -9 - 3}$$

$$12y = 18$$

$$y = \frac{18}{12}$$

brother = 3 years Ans.



Q No ②

a the sum of the ages of a girl and her brother is 20 years. Now 3 years ago her age was three times the age of her brother. Find the present age of girl and her brother.

(Solution)

Ans. = let the age of girl =  $x$

= Age of brother =  $y$

=  $x + y = 20$  Equation (i)

= 3 years ago

= Boy was =  $y - 3$

= girl was =  $x - 3$

since of the girl was 3 times

$$\Rightarrow x - 3 = 3(y - 3)$$

$$= x - 3 = 3y - 9$$

$$= x - 3y = 9 - 3$$

equivalent  $\times$  best price

$$\text{Net cost} = 0.72 \times 150$$

$$\text{Net cost} = \boxed{108} \text{ Ans.}$$



2) NDB List price = \$ 150

Ans List price = \$ 150

Trade Discount =  $\frac{20}{10}$  (seriese - discount)

Net cost = 5

(solution)

Discount seriese  $100\% - 20\% = 80\%$

$100\% - 10\% = 90\%$

Now we will write the in complants is discount

So

Net devalabel equivalent =  $(0.8 \cdot 0.9)$

0.72

Now

Net cost = Net dicamel