

Ans 1 (a) Total pizza slices = 2×3
 $= 6$

If we want to divide it between 3 children = $\frac{6}{3}$

Each of them will get = 2

(b) No, because it is harmful for our body

Ans 2

Length	14	x
high cast a shadow	10	15

$$\frac{14}{10} = \frac{x}{15}$$

$$= 10 \times x = 14 \times 15$$

$$x = \frac{14 \times 15}{10}$$

$$x = 21 \text{ meter}$$

Ans 3

No. of workers	36	x
No. of days	25	60

$$36 : x = 60 : 25$$

$$\frac{36}{x} = \frac{60}{25}$$

$$36 \times 25 = x \times 60$$

$$x = \frac{36 \times 25}{60}$$

$$x = 15$$

Ans 4

No. of laborers	10	25
No. of days	15	x

$$10 : 25 = x : 15$$

$$\frac{10}{25} = \frac{x}{15}$$

$$x = \frac{10 \times 15}{25}$$

$$x = 6$$

Ans 5

$$\text{Cost of 1 apple} = \frac{30}{2} = 15$$

$$\begin{aligned} \text{Cost of 28 apples} &= 15 \times 28 \\ &= 420 \end{aligned}$$

Ans 6

No. of workers	360	x
No. of days	60	45

$$360 : x = 45 : 60$$

$$\frac{360}{x} = \frac{45}{60}$$

$$~~x~~ \Rightarrow 360 \times 60 = 45 \times x$$

$$x = \frac{360 \times 60}{45}$$

$$x = 480$$

$$\begin{aligned} \text{Difference} &= 480 - 360 \\ &= 120 \end{aligned}$$

Workers to be added = 120

Ans 7

No. of worker	420	x
No. of months	9	7

$$420 : x = 7 : 9$$

$$\frac{420}{x} = \frac{7}{9}$$

$$420 \times 9 = 7 \times x$$

$$x = \frac{420 \times 9}{7}$$

$$x = 540$$

$$\begin{aligned}\text{Difference} &= 540 - 420 \\ &= 120\end{aligned}$$

Workers to be employed = 120

Ans 8

No. of men	1200
No. of days	28

After 4 days

No. of men	30
No. of days	x

$$1200 : 30 = x : 28$$

$$\frac{1200}{30} = \frac{x}{28}$$

$$30 \quad 28$$

$$1200 \times 28 = x \times 30$$

$$x = \frac{1200 \times 28}{30}$$

$$x = 1120$$

Food will last for 1120 days

$$(d) \quad 20 \text{ min} = \frac{20}{60} \text{ hour} = \frac{1}{3} \text{ hour}$$

$$\frac{1}{3} \times 75 = 25$$

'3

$$= 25 \text{ Km}$$

It will travel 25 Km in 20 min

Train travel in 1 hour = 75 Km

Train travel in 3 hours = 225 Km

Train travel in 20 min = 25 Km

$$\begin{aligned} \text{Train will travel in 3 hours 20 min} &= 225 + 25 \text{ Km} \\ &= 250 \text{ Km} \end{aligned}$$

Ans 10

X	3.9	U	V	221
Y	3	7	13	W

$$\frac{3.9}{3} = \frac{U}{7}$$

$$U = \frac{7 \times 3.9}{3}$$

$$U = 9.1$$

$$\frac{3.9}{3} = \frac{V}{13}$$

$$V = \frac{13 \times 3.9}{3}$$

$$V = 16.9$$

$$\frac{3.9}{3} = \frac{221}{W}$$

~~$$W = \frac{3.9}{221}$$~~

$$W \times 3.9 = 221 \times 3$$

$$W = \frac{221 \times 3}{3.9}$$

$$W = 170$$