30 cm to 9 m => ratio

30 cm : 9x100 cm

30:900 = 1:30

Typel:-

A jar contains Almonds and ashews in the ratio 2:3. If the total number of nuts in the jar is 100, how many are almonds? How many are ashews?

> A= 2x C=3x.

A+C= 100

2x+3x = 100

5x=100 => X= 100 = 20

 $A = 2 \times 20 = 40$ } 100 $C = 3 \times 20 = 60$

Ajar contains Almondo and carbons in the ratio 2:3.

the number of cacheus in the yar is (60) how many are Almondi?

let A=2x C=3x

 $3x = 60 \Rightarrow x = \frac{60}{3} = 20$

Apoportion:-

When two or more ratios are equal, they are Said to be in proportion.

a: b = c: d

a, b, q d are in proportion.

$$\Rightarrow Almonds \times 3 = 2 \times 60$$

$$Almonds = \frac{2 \times 60}{3} = 40$$

A:B= 4:9 , B:C= 6:5 . A:B:C= ?

 $\begin{array}{cccc}
A & B & C \\
4 \times 2 & 9 \times 2 \\
3 \times 6 & 5 \times 3
\end{array}$ Lcm(9,6) = 18

15 18 8

A: B: C = 8:18:15 A: C = 8:15

2:3= ==:1

Cost of minture:
$$(k+1) \times 16.5$$

$$15k+20 = (k+1) \times 16.5$$

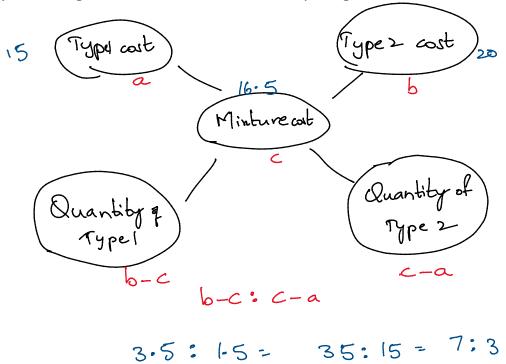
$$15k+20 = 16.5k+16.5$$

$$16.5k-15k = 20-16.5$$

$$1.5k = 3.5$$

$$k = 35 = \frac{7}{3}$$
Ratio is: $-\frac{7}{3}$: 1 ev , $7:3$

In what ratio must a grocer mix two varieties of pulses costing Rs. 15 and Rs. 20 per kg respectively so as to get a mixture worth Rs. 16.50 per kg?



Find the ratio in which rice at Rs. 7.20 a kg be mixed with rice at Rs. 5.70 a kg to produce a mixture worth Rs. 6.30

a kg.



B. 2:3

C. 3:4

D. 4:5

