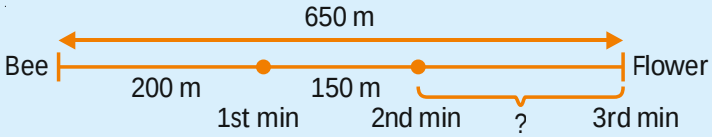
01

The distance between a bee and a flower is 650 m. In the 1st minute, the bee flew 200 m towards the flower. In the 2nd minute, it flew another 150 m. How far must the bee fly in the 3rd minute to reach the flower ?



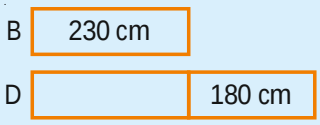
200 m + 150 m = 350 m (1st min and 2nd min)

650 m – 350 m = 300 m

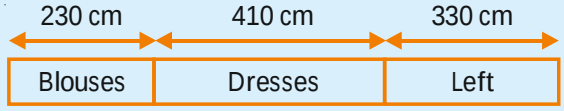
The bee must fly 300 m in the 3rd minute to reach the flower

02

Mrs Akhila used 230 cm of thread on some blouses. She used 180 cm more thread on some dresses than the blouses. She had 330 cm of thread left. How much thread did she have at first ?



230 cm + 180 cm = 410 cm (dresses)

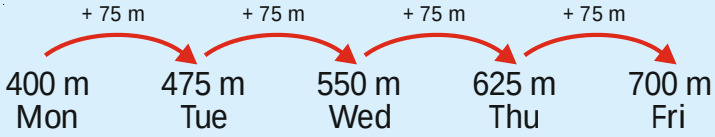


230 cm + 410 cm + 330 cm = 970 cm

She had 970 cm of thread at first

03

Rakesh jogged a distance of 400 m on Monday. He jogged 475 m on Tuesday and 550 m on Wednesday. Following this pattern, how far did he jog on Friday ?

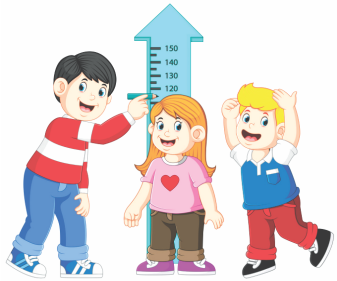


He jogged 700 m on Friday

04

a) Jaanvi is 130 cm tall. Amar is 17 cm taller than Jaanvi but 26 cm shorter than Gaurav. How tall is Gaurav ?

b) Pole X is thrice as long as Pole Y. If Pole Y is 3 m long, how long is Pole X ?



(a) Amar's height ⟶ 130 + 17

= 147 cm

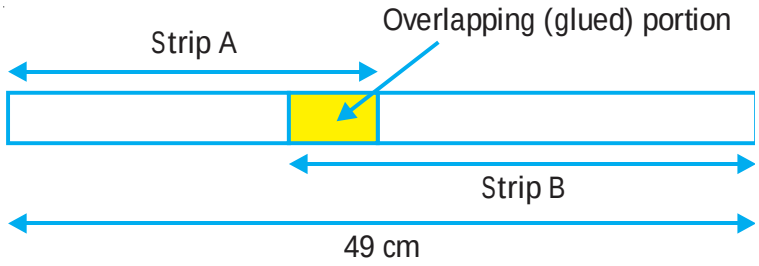
147 + 26 = 173 cm

Gaurav is 173 cm tall

(b) 3 × 3 = 9 m

Pole X is 9 m long

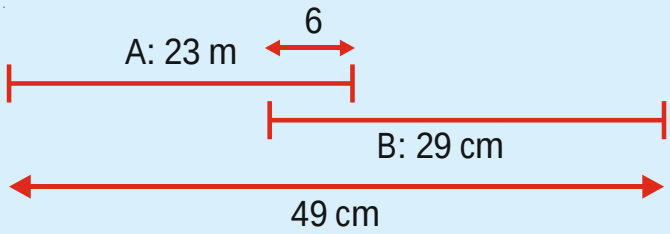
05 **Strip A was 23 cm long and Strip B was 29 cm long. Strip B was then joined to Strip A by glueing them together as shown. If the length of the new strip is 49 cm, find the length of the overlapping portion.**



Strip A + Strip B (separately)

→ 23 + 29 = 52 cm

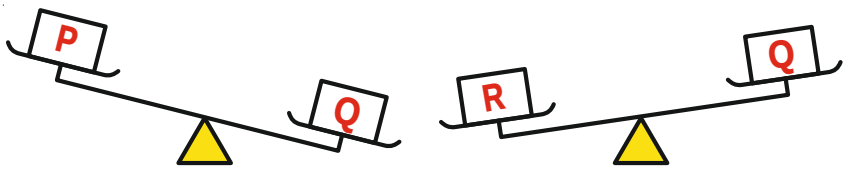
New strip → 49 cm



This means 52 – 49 = 3 cm have been lost due to the overlapping

The length of the overlapping portion is 3 cm

06 **Observe the diagrams below carefully.**



If the mass of Object Q is 20 kg, which of the following could be the masses of P and R ?

(1) P → 18 kg; R → 22 kg **(2)** P → 19 kg; R → 20 kg

(3) P → 22 kg; R → 18 kg **(4)** P → 24 kg; R → 20 kg

Note that P is lighter than Q and Q is lighter than R. This means the mass of P should be less than 20 kg and the mass of R should be more than 20 kg. The only option that matches both conditions is :

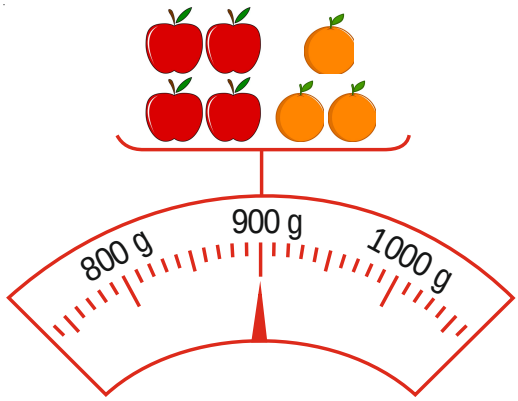
P → 18 kg

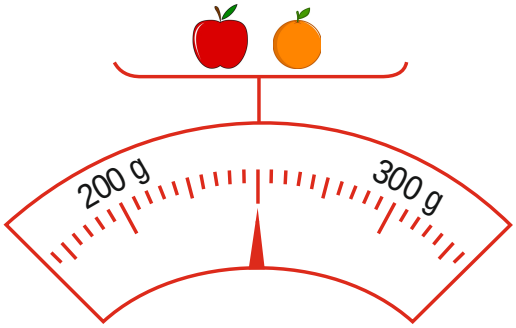
R → 22 kg

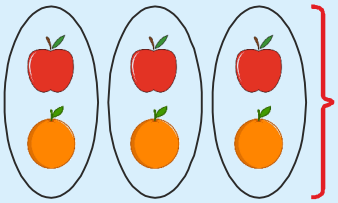
07 **(a) What is the mass of 1 apple ?**

(b) What is the mass of 1 orange ?

(Assume that all the apples have the same mass and all the oranges have the same mass).





(a) 

→ 250 + 250 + 250
= 750 g

4 + 3 → 900 g
3 + 3 → 750 g

900 – 750 = 150 g
The mass of 1 apple is **150 g.**

(b) 150 g + = 250 g
= 250 – 150
= 100 g
The mass of 1 orange is **100 g.**