

Q1. Raj travelled from a point X straight to Y at a distance of 80 meters in east direction. He turned right and walked 50 meters, then again turned right and walked 70 meters. Finally, he turned right and walked 50 meters. How far is he from the starting point?

- (a) 10 meters
- (b) 20 meters
- (c) 50 meters
- (d) 70 meters

Q2. Find the missing number in the given series.

1, 9, 25, 49, 81, ?

- (a) 100
- (b) 112
- (c) 121
- (d) 144

Q3. In a row of children, Deepti is ninth from the left and Kashish is thirteenth from the right. They exchange their positions and then Deepti becomes seventeenth from the left. Find the new position of Kashish from the right end of the row?

- (a) 20th
- (b) 21st
- (c) 27th
- (d) None of these

Q4. If "RULE" is coded "WPQZ", find the code for "MIND". ?

- (a) RDSY
- (b) HOSI
- (c) HMIY
- (d) RMII

Q5. Pointing to a lady on the platform, Manju said, "She is the sister of the father of my mother's son." Who is the lady to Manju?

- (a) Mother
- (b) Sister
- (c) Aunt
- (d) Niece

Solutions

S1. Ans. (a)

Sol.

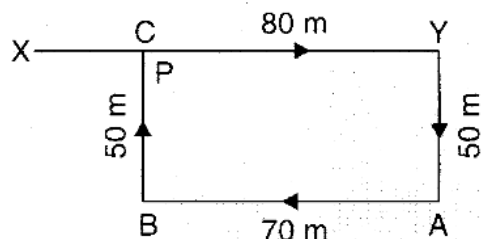
The movements of Raj are as shown in given figure.

(X to Y, Y to A, A to B, B to C)

\therefore Raj's distance from the starting point

$$= XC = (XY - YC) = (XY - BA).$$

$$= (80 - 70) \text{ m} = 10 \text{ m}.$$



S2. Ans. (c)

Sol.

The series consists of squares of consecutive odd numbers i.e. $1^2, 3^2, 5^2, 7^2, 9^2, \dots$

So, missing term = $11^2 = 121$.

S3. Ans. (b)

Sol.

Deepti's new position is 17th from the left and 13th from the right. So, number of children in the row = $(16 + 1 + 12) = 29$.

Now, Kashish's new position is Deepti's earlier position which is 9th from the left.

Number of children to the right of Kashish = $(29 - 9) = 20$.

Hence, Kashish's new position is 21st from the right.

S4. Ans. (a)

Sol.

The logic is

<i>R</i>	<i>U</i>	<i>L</i>	<i>E</i>
+5 ↓	-5 ↓	+5 ↓	-5 ↓
<i>W</i>	<i>P</i>	<i>Q</i>	<i>Z</i>
<i>M</i>	<i>I</i>	<i>N</i>	<i>D</i>
+5 ↓	-5 ↓	+5 ↓	-5 ↓
<i>R</i>	<i>D</i>	<i>S</i>	<i>Y</i>

S5. Ans. (c)

Sol.

Manju's mother's son can be manju or manju's brother, But the lady will be aunt of manju.