

GK-I

General Science & Ability

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Question no 1 :-

(A) Solution

The ratio of total boy and girls is
 $4 : 5$
 15 girls added

$$4(x+15) = 5(x)$$

(x) represent original number of Boys

$(x+15)$ represent original number of girls

Solving (x)

$$4x + 60 = 5x$$

$$x = 60$$

So original number of boys are 60
 and girls are : $60 + 15 = 75$
 Total people are 130.

(B) Solution

As we know

the one signal blink after 6 seconds
 and other one blink after 8 second.

we need to find how long will both blink
 together, for this we want least common
 factor of both the signals

Yes.

$$\begin{array}{r|l}
 2 & 6, 8 \\
 \hline
 2 \times 3 & 3, 4 \\
 2 & 1, 4 \\
 2 & 1, 2 \\
 & 1, 1
 \end{array}$$

$$2 \times 3 \times 2 \times 2 = 24 \text{ LCM}$$

So

the X signal will blink together for 24 seconds.

(C) Solve

One side of Rhombus = 6cm

Rhombus sides have

Rhombus have 4 equal sides

So to find perimeter we need to add all four sides of Rhombus

$$6 + 6 + 6 + 6 = 24$$

So the perimeter is 24cm.

D) Solution

6, 17, 39, 72, ?

11 added to 6

22 added to 17

33 added to 39

So

44 added to 72, we get next term which is

116 So

Yes: 6, 17, 39, 72, 116

Question no 2

Part (A)

a, b, c, d, e, f, g, h, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z

^{15 12 18 27 6 12 9} BROTHER = ^{15 12 18 27 6 12 9} QD\$G\$NQA

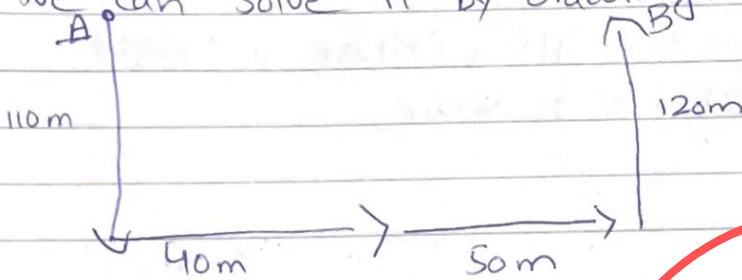
SISTER = HUKSKD

Part (B)

Solution

Haroon walked toward East = 110 meters

We can solve it by drawing:



A is starting Point and B is ending which is 10 meter

Yes.

Day/Date _____

Ahmed, Ali, Akbar, Nasir & Shebaz

Ahmed 3 times heavier than Ali

Ali 5 times heavier than Akbar

Akbar $\frac{1}{2}$ weight Nasir

Nasir $\frac{1}{2}$ Shebaz

Ahmed $3 >$ Ali

Ali $5 >$ Akbar

Akbar = $\frac{1}{2}$ Nasir

Nasir = $\frac{1}{2}$ Shebaz

- Answer
- (i) Akbar, Ahmed
 - (ii) Shebaz, Nasir
 - (iii) Nasir, Akbar
 - (iv) Ali, Ahmed
 - (v) Ahmed, Ali, Akbar, Nasir, Shebaz, Nasir.

Yes.