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41) The length of the rectangle varies inversely with its width. If the length of the rectangle is 60 feet and width is 24 feet find the length of the rectangle when its width is 40 feet?

    36 feet   100 feet   25 feet   20feet

42) Sum of money triples itself at compound interest in 2 years. In 9 years it will be.

    6 times the principle   12 times the principle   18 times the principle   27 times the principle

Solution:

$3p=p(1+r/100)$
now as per ques $3p^3=(p(1+r/100))^3$
thus $(1+r/100)=27$,,,, hence ans is 27 times the pricipal.

43) Nitish sold his watch and sun glassesat a loss of 4% and gain of 4% respectively for 2600 to Kamal. Kamal sold the same sun glasses and watch at a loss of 4% and gain of 4% respectively for 2700. The price of watch and sun glasses to Nitish were.

  (Rs.1960, Rs.700)   (Rs.2000, Rs.1000)   (Rs.1500, Rs.700)   (Rs.800, Rs.2000)

Solution:

Let the CP of watch be Rs x and sunglasses be Rs y.
$2600=96x/100 + 104y/100$
$2700= 104x/100 + 96y/100$
On solving,
$y=700$
$x=1960$

44) Problem question: What is the 5^{th}number?
 Statements: 1) 1st and 2nd numbers are 1 and 2 respectively.
      2) 3rd and 4th numbers are 3 and 4 respectively.
      Statement 1 alone is sufficient   Statement 2 alone is sufficient
      Both statements put together is sufficient   Both statements even put together is not sufficient
      Either of 2 statements are individually is sufficient

45) EK : VP :: GM :
      TN   NT   UN   VN

46) In a certain code REINFORCE is written as ENOCRIFRE. How is ATTEMPT written in that code?

ATMTTEPS   TEPSATMT   TEMPSATT   ATTTEMPS

47) In a certain code, ASSUMPTION is written as 1113472065. How is KNOWLEDGE written in that code?

254545475   256565675   256535475   256565475

48) A tourist has strayed from his path while on his way to his hotel. He moves 28km towards south, then he moves 20km towards west, then 4km north and then 2km towards east to reach his hotel. What is the distance of shortest possible route?

45 km   20km   18km   30km

Solution:

AB=28km toward south
BC=20km toward west from B
CD=4km toward north from C
DE=2km toward east from D
EF=BC-DE=18km
AF=AB-CD=24km
in Triangle,AFE
AE=sqrt(24^2+18^2)=sqrt(900)=30km

49) Two friend Raman and Rajan starts a race and run together for 20km towards east. From there Raman runs 10km towards north east and Rajan continues in the east for 8km. How far are the two friends now from each other?

6km   20km   18km   30km

50) 8,8,6,2,..

-4   -3   3   4

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as alternate are writteen in last and then first like atmt and tep
and s is missing in question

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50. -4

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47 ans c
step:1 ASSUMPTION
1 19 19 21 13 16 20 9 15 14
sum of dig 1 1+9 1+9 2+1 1+3 1+6 2+0 1+5 1+4
1 1 1 3 4 7 2 6 5

| 1 |

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41. ans is 36
length*width=constant
if width is 40 then length=(60*24)/40=36

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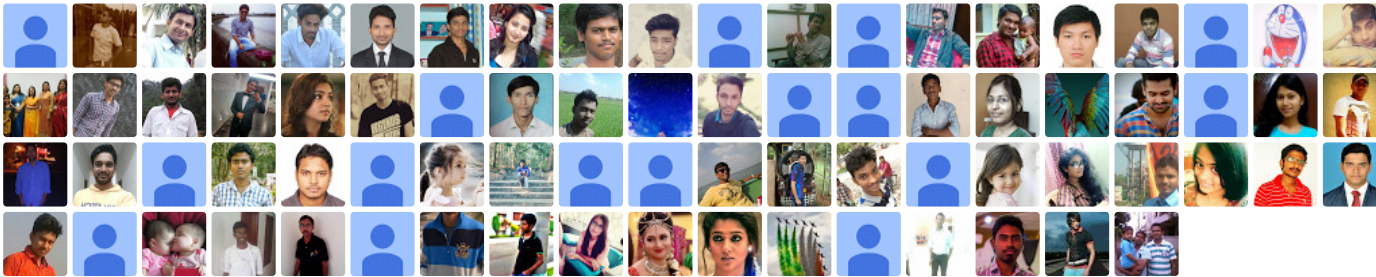
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