1.which is the largest in 18(1/2)% , 8/22 ,0.18?

Ans : 8/22

Explanation : 18(1/2) = 37/(2\*100)=0.185

8/22=0.3636 so ans is 8/22

2. 45% of a number is 23 less than 8/5th of that number ,find the number?

Ans: 20

Explanation: let the number be x. then,

(8/5)x-(45% of x)=23 =>(8/5)x-(45/100)x=23

=>(800x-225x)500=23

=>575x=11500 => x=20

3. 65% of a number is 21 less than 4/5th of that number .find the number?

Ans: 140

Explanation : let the number be x.then ,

(4/5)x-(65%of x )=21

=>(4/5)x-(65/100x)=21

=>3x=420 => x=140.

4.55% of no is 15 less than 9/5th of that number. find the number?

Ans: 12

Explanation : (9/5)x-(55/100)x=15 => 625x=7500

X=12

5. what percent is 120 of 90 ?

Ans : 133(1/3)

Expalnation : required %=(120/90)\*100 = 400/3%

= >133(1/3)

6. A can do the work in 6days, which B alone can do in 10 days, in how many days both working together can do it?

Ans: 3(3/4) days

Explanation : A’s 1 day’s work =1/6 and B’s 1 day’s work =1/10

(A+B)’s 1 days work =(1/6+1/10) = 4/15

Both working together can finish it in 15/4 days i.e 3(3/4)days

7. Rita and Riya can together work in 12 days ,which Rita alone can do in 30 days . In how many days Riya can do the work?

Ans :20days

Explanation : (Rita+Riya)’s 1 day work =1/12, Rita ‘s 1 day’s work =1/30

Riya ‘s 1 day work =(1/12-1/30) =3/60 => 1/20

Riya alone can do in 20 days.

8.A can build a house in 30 days ,while B alone can build it in 40 days. If they build it together and get a payment of Rs 7000, what is B’s share?

Ans :Rs3000

Explanation: A’s 1 day’s work =1/30

B’s 1 day’s work =1/40

Ratio of share of A and B=1/30 :1/40=4:3

B’s share =Rs(7000\*3/7) =Rs 3000

9. A can do piece of work in 25days which B alone can finish in 20days . Both together work for 5 days and then A leaves off. How many days will B takes to finish the remaining work?

Ans :11days

Explanation : (A+B)’s 5 days’ work = 5(1/25+1/20) =9/20

Remaining work = 1-11/20= 11/20

1/20 work is done by B in 1 day.

11/20 work is done by B in (1\*20\*11/20)days = 11 days.

10.A can do piece of work in 6hrs and B alone can do it in 12hrs . both A and B working together can finish the work in:

Ans :4hrs

Explanation : A ‘s 1 day work =1/6

B’s 1 day work =1/12

(A+B)=(1/6+1/12)=1/4

Hence , A and B together can finish it in 4days.