



24. 13 kigs and 6 libs can produce 510 tors in 10 hrs, 8 kigs and 14 libs can produce 484 tors in 12 hrs. Find the rate of production of tors for kigs and libs. Express the answer in tors/hr.

Two trains starting at same time, one from Bangalore to Mysore and other in opposite direction arrive at their destination 1 hr and 4 hours respectively after passing each other. How much faster is one train from other?

If $\frac{5}{2}$ artists make $\frac{5}{2}$ paintings using $\frac{5}{2}$ canvases in $\frac{5}{2}$ days then how many artists r required to make 25 paintings using 25 canvases in 25 days?

A husband and wife has a combined age of 91. the husband is now twice as old as his wife was when he was as old as she is now. How old are they? A 60,31 B 71,20 C 52,39 D 56,32

Ram was travelling back from his friend house in his old ambassador. He could only travel along at a steady 30 miles per hr and managed a paltry 20 miles per liter of fuel. At the start of the journey he has placed exactly 10 litre of fuel into a tank. He knew though that the fuel tank lost fuel at the rate of half a liter per hhour. As ram arrived home the car stopped because it had run out of a fuel and h only just made it. How far was his friends house from rams. a.200 b.150 3.210 d170

6 cats kill 6 rats in 6 minutes .how many cats will be needed to kill 100 rats in 50 minutes?

1 monkey takes 3 min to eat 1 banana.how much time will 10 monkeys take to eat 10 bananas

1. a man works. He has to maintain 100 cups. He gets 30 ps for every cup he safeguards and has 10 pay 90 ps for every cup he breaks. if he earns rs.24 per day, how many did he break?

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2. 32 people playing table tennis. how many matches to determine the winner.
3. A cube $3'' \times 3'' \times 3''$ is painted green it is cut into $1'' \times 1'' \times 1''$ how many cubes were painted on at least on one side
4. If x and $x+10$ are lengths containing right angle, what is the equation if area is 24 sq.cm
5. Length and breadth of a rectangle are in ratio 7:5. If length is reduced by 5 and breadth by 2, area reduces by 65. Find length and breadth.
6. Denominator is 4 greater than numerator if 10 is added to Denominator, the fraction becomes $\frac{1}{8}$. what is the fraction
7. A and b can do a piece of work in 15 and 10 days. A and b work on it for sometime and then a leaves b completes the job in 5 days. For how long did a work.
8. In a company 241 apply for posts .of them 40 know neither c nor c++.180 know c; 186 knows c++. how many people know only c.
9. A farmer has a farm square of 100 sq.m a cow is tied at one and with a rope of 10m length. assume $\pi=3$. what is the area of land the cow can graze.
10. The average of x and y is 6.5. if $z=4$, what is the average of x, y, z .



11. If the bus travels with 8 tyres(6 tyres running), travels a distance of 16000 km how much is the distance sustained by each tyre.ans 120000
12. In a box there are four different colored bells, of some quantity (4 each) what is the minimum number of pick ups so that, atleast 2 of them of the same colour.
13. A company manufactures x refrigerators cp.($9000+500x$ sp= $500x$; what must be the value of x so that atlas the amount gained After selling is equal to the amount spent on production
14. A dealer sells 3 sets at Rs.2400 each ,one at 20% gain and the other at 20% loss. what is the overall gain or loss
- 15.a cube object $3" * 3" * 3"$ is painted with green in all the outer surfaces. If the cube is cut into cubes of $1"*1"*1"$, how many 1" cubes will have at least one surface painted.
- a. 8 b.26 c.27 d. none ans.b
16. single table tennis tournament is held at IT solutions in which 32 players participated. If a single player is eliminated as soon as the player loses a match. How many matches are required to determine the winner. A. 32 b. 16 c. 31 d. 15 ans.c
17. there are 200 employees in a company. An external vender is chosen to serve coffee twice a day. 100 coffee cups were offered by the company , but as an incentive to have the cups in fact at the end of the day, the company offered 30 paise for every cup remained safely and charged 90 paise for every broken cup. At the end of the day , the vender received RS.24 . how many cups did the vender break.
- a. 20 b.5 c.10 d.14 ans.c

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18. a box contains 16 balls of 4 different colors green blue yellow & red 4 each. if you were to close your eyes and pick them at random , how many marbles must you take out to be sure that there at least two of one colour among the marbles picked out.

A. 4 b. 5 c. 6 d. 14 ans.d

19. if 8 tyres were used on a bus (6 tyres) which has traveled 16000 km , how many km did each tyre sustain .if all the tyres were used equally in sustaining this distance .

a. 2000 b.16000 c.12000 d.10000 ans.c

20. a company purchased 3 computer tables in 1995. as the company wanted to renovate the office , sold those tables at RS.2400 each making a profit of 20% of one , no profit on second table and 20%loss on third table. What is the company get in this transaction.

A. no loss no profit b.RS.200 loss c.RS.800profit d. RS.400 loss ans.b

21. a farmer owns a square field of side with a pole in one of the corners to which he tied his cow with a rope whose length is about is 10 m . what is the area available for the cow to grace . assume $\pi=3$.

A.150 sq.m b.125sq,m c.75sq.m d. not enough data. ans.c

22..the average of x & y is 12.if z=9 what is the average of x ,y, z

a.11 b.6.5 c.5 d. not enough data ans.a

23.in a certain shop note books that normally sell for 59 cents each or on sale at 2 for 99cents.how can be saved by purchasing 10 of these note books at the sale price.

a.\$0.85 b.\$1.0 c.\$0.95 d.\$1.15 ans. c

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24. the cost in \$ of manufacturing x fridges is $9000 + 400x$. the amount received when selling these x fridges is $500x$ \$, what is the least no of fridges that must be manufactured & sold so that the amount received is at least equal to the manufacturing cost.

a. 10 b. 18 c. 15 d. 90 ans. d

25. the sides of the right triangular field containing the right angle are x & $x+10$. its area is 5500 sq.m. the equation to determine is

a. $x(x+10) = 5500$ b. $x(x+10) = 2750$ c. $x(x+10) = 11000$ d. $x(x+20) = 5500$ ans. c

26. the length and breadth of a rectangular plot are in the ratio of 7:5. if the length is reduced by 5 m & breadth is increased by 2 m then the area is reduced by 65 sq.m. the length and breadth of the rectangular plot are

a. 25, 35 b. 21, 15 c. 35, 25 d. 49, 35 ans. c

27. 6 men earn as much as 8 women, two women earn as much as 3 boys & 4 boys earn as much as 5 girls. if a girl earns RS. 50 a day then the earning of the man would be

a. 115 b. 125 c. 135 d. 150 ans. b

28. a & b can separately do a piece of work in 10 & 15 days respectively. They work together for some time and b stops. If a completes the rest of work in 5 days, then b has worked for

a. 5 b. 4 c. 3 d. 2 (days). Ans. c

1) 4 men and 3 women can do the work in 6 days. 5 men and 6 women can do the same work in 4 days. in how many days a single woman can finish the same work.



2) in a room there are 3 type of animal mice, crow, and roach. totally there are 50 heads and 150 feet. and number of roach is twice as mice. totally how many number of roach are there

- a) 10
- b) 15
- c) 18
- d) 9

3) $f(x,y) = |x+y|$ $F(x,y) = -f(x,y)$ $G(x,y) = -(F(x,y))$ then which of the following is correct.

given like $g(x,y) > F(x,y)$ etc..

4) if two person start from same place and same time and walk in opposite directions 3 miles and both turn towards their left and walk 4 miles .

what is the distance between them.

5) a number divided by a divisor gives the remainder 24. if twice of that number divided by the same divisor it gives remainder 11.

what is the divisor.

6) $|r-6|=11$; $|2q-5|=12$ find r & q

7) a cube of $3 \times 3 \times 3$ is divided into $1 \times 1 \times 1$ and is coloured in green two opposite sides and red in adjacent sides and blue in other side.

how many number of cubes are uncoloured.

8) 9) sums like this if $1 = \$$ and $0 = *$ then what is the value of $385/15420 \times 12$

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10) if the mean of x and y is 24 and $z=12$ what is the average of x, y, z .

1) one problem in relations like my father's son's brother's uncle's wife's daughter's brother is whom to me like that.

2) one problem like Mr A and B speaks English and Spanish

B and C can speak French and Greek etc

A can speak how many languages and who knows a lot of languages like that..

3) A, B, C, D, E are working in a company. They are seated in a round table and in between them Mrs A, Mrs B etc are seated but not with their husbands.. Mrs E is seated 3 seats away from Mr B and she is to the right of Mr A then who is to the left of Mr A

4) A, B, C, D, E, F, G, H are in order then what is the letter two left of the letter which is 3 right of a letter which is 4 left of a letter which is 2 right of E.

What is the letter.

5) 6) question like data sufficiency

1 statement 1 alone

2 statement 2 alone

3 both

4 none

A cylinder is inscribed in the cube.. and a cone is pushed in to the cylinder.. find the volume of cylinder.

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1 given surface area if cube

2 surface area of cone

7) one ordinar problem on ages as in rs agarwal.

1) sharmi is always late she never come____ time

a) at b) with in c) on d) before

2)it is very nice .. before i came here i didnt see it _____

a) any where

b) anyone

c) every one 4) every where

3) she is very angry _____

A) isn't she

b) aren't they

c) didn't she

4)she is with me for a long time . she is my friend _____ 1999

a) from

b) still

c) until

D) on

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