
CELEBRATING 2018
100
MDH
Kitchen King
(MIXED SPICES POWDER)
MDH

TYPE - CHAIN RULE

1.If 3 spiders make 3 webs in 3 days, then 1 spider will make 1 web in how many days?

a. 1 day b. 1.5 days
c. 3 days d. 6 days

2 . In a diary farm, 20 cows eat 20 bags in 20 days. In how many days one cow will eat one bag of husk?

a. 10 days b. 1/10 days
c. 20 days d. 40 days

Q 3. If 30 men can do a piece of work in 20 hours, then in how many hours will 12 men do it?
a. 18 hours b. 30 hours c. 40 hours d. 50 hours

Q 4. 3 pumps, working 4 hours a day, can empty a tank in 2 days. How many hours a day must 4 pumps work, to empty the tank in one day?
a. 7 hours b. 8 hours c. 6 hours d. 5 hours

5.If 30 men can build a wall 56 meters long in 5 days, what length of a similar wall can be built by 40 men in 3 days?

a. 36.5 m b. 44.8 m

c. 62.3 m d. 92 m

6. If 8 men can reap 40 hectares in 12 days, then how many hectares can 30 men reap in 20 days?

a.175 hectares b. 225 hectares
c. 250 hectares d. 275 hectares

7. 18 men bind 900 books in 10 days. Find how many binders will be required to bind 600 books in 12 days?

a. 10 b. 11
c. 13 d. 15

8. 12 examiners (men) work 16 hours a day to check 24000 answer sheets in 18 days. Now, 24 examiners would work how many hours per day to check 36000 answer sheets in 36 days?

TYPE - contractor undertook work

9.A job has to finished in 60days .40 men start the work ,each working 8 hrs a day , after 20 days just 1/4th of the work is finished .How many additional men need to be engaged to complete the work on time ,if all of them have now been asked to work for 10hrs a day ?

a.48 Men b.8 Men c.10 Men d.not

10.A job has to finished in 80 days .20 men start the work ,each working 6 hrs a day .after 60 days just 1/2th of the work is finished .how many additional men need to be engaged to complete the work on time ,if all of them have now been asked to work for 4 hrs a day ?

a.90men b.7 men c.70 men d.not

FRACTION RULE :

$$44\frac{1}{11} + 23\frac{3}{22} + 54\frac{7}{66} = ?$$

$$5\frac{1}{6} + 3\frac{1}{4} = ?$$

$$5\frac{1}{6} + 3\frac{1}{4} - 7\frac{1}{2} + 4\frac{2}{3} =$$

FRACTION RULE

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BASIC CONCEPT OF 1 DAY'S WORK (EFFICIENCY RULE)

14. A, B and C can complete a piece of work in 24, 6 and 12 days respectively. Working together, they will complete the same work in

(1) 4 Days (2) 24 days (3) 3 (3/7)days (4) 4 days

15 . If 'A' completes a piece of work in 3 days, which 'B' completes it in 5 days and 'C' takes 10 days to complete the same work. How long will they take to complete the work , if they work together?

a. 1.57 days b. 4.5 days c. 7 days d. 9.8 days

16.

X can do a piece of work in 30 days. Y can do it in 20 days, and Z can do it in 24 days. In how many days will they all do it together?

a) 6 Days b) 5 Days

c) 4 Days d) 4 2/3 Days e) 8 Days

TYPE - PIZZA CONCEPT :

Q17. A can do 1/4 of a work in 3 days and B can do 1/6 of the same work in 4 days, In how many days A and B together can do the work ?

TYPE : FILL MISSING VALUES

18.Two painters 'P1' & 'P2' paint the bungalow in 3 days. If P1 alone can paint the bungalow in 12 days, in how many days can 'P2'' alone complete the same paint work?

a. 4 days b. 6 days c. 9 days d. 12 days

19.A can lay railway track between two given stations in 16 days and B can do the same job in 12 days, with help of C, they did the job in 4 days only. Then, C alone can do the job in:
a) 9 b)9(3/5) c) 10 d) 111 e) None of these

20.A & B can make paintings in 6 days, B & C can can make those paintings in 10 days. If A, B & C together can finish the work in 4 days, then A & C together will do it in _____ days.

a. 4 (2/7) days b. 1/ 8 days c. 2 (2/5) days d. 6 (3/ 8) days

21.A and B can do a work in 8 days, B and C can do the same work in 12 days. A, B and C together can finish it in 6 days. A and C together will do it ina) 4 days b) 6 days c) 8 days d) 12 days e) None of these

CONCEPT OF MONEY DISTRIBUTION :

Q.22 Bunnu, Gaffur and Ram can do a work in 10, 12 and 15 days respectively knowing that they work together and get an amount of Rs. 1500. What is the share of Gaffur in that amount?

(a) Rs 300 (b) Rs 500 (c) Rs 450 (d) Rs 400 (e) None of these

23.A alone can do a piece of work in 6 days and B alone 8 days. A and B undertook to do it for Rs.3200. With the help of C, they completed the work in 3 days. How much is to be paid to C? a) Rs.375 b) Rs.400 c) Rs.600 d) Rs.800 e) None of these

WORK FOR SOME DAYS AND LEFT THE WORK :

24. A can do a work in 15 days and B in 20 days. If they work on it together for 4 days, then the fraction of the work that is left is: a) 1/4 b) 1/10 c) 7/15 d) 8/15 e) None of these

25. A can finish a work in 18 days and B can do the same work in 15 days. B alone worked for 10 days and left the job. In how many days, A alone can finish the remaining work? a) 5 b) 5 c) 6 d) 8 e) None of these

26. A can finish a work in 24 days, B in 9 days and C in 12 days. B and C start the work but are forced to leave after 3 days. The remaining work was done by A in: a) 5 days b) 6 days c) 10 days d)10 e) None of these

27. A and B can complete a work in 15 days and 10 days respectively. They started doing the work together but after 2 days B had to leave and A alone completed the remaining work. The whole work was completed in:

a) 8 days b) 10 days c) 12 days d) 15 days e) None of these

28. A machine A can print one thousand books in 10 hours, machine B can print the same number of books in 12 hours while machine C print them in 15 hours. All the machines are started at 9 a.m. while machine A is closed at 11 a.m. and the remaining two machines complete the work. Approximately at what time will the work be finished?

(a) 11:30 a.m. (b) 12 noon (c) 12:30 pm (d) 2:20 pm (e) None of these

LEFT SOME DAYS BEFORE THE WORK IS COMPLETED

29. Aman can do a piece of work in 14 days, while Suneeta can do the same work in 21 days. They started the work together but 3 days before the completion of the work, Aman left the work. The total number of days to complete the work is :

a)7 b) 8.5 c) 10.5 d)10.2 e) None of these

30 A and B together can complete a piece of work in 12 days. B and C in 20 days, and C and A in 15 days. A, B and C together can complete it in

(1) 10- days (2) 10 days SI (3) 9 days (4) 6 days

31. A and B can do a piece of work in 72 days. B and C can do it in 120 days. A and C can do it in 90 days. In how many days all the three together can do the work?

(1) 80 days (2) 100 days (3) 60 days (4) 150 days

32. A and B together can do a work In 8 days, B and C together in 6 days while C and A together in 10 days, if they all work together. the work will be completed in :
(1) 3 days (2) 5(5/47) days (3) 5(7/47) days (4) 4 days

33. A and B can do a work in 12 days. B and C in 8 days and C and A in 6 days. In how many days B alone can do this work?
(1) 24 days (2) 32 days (3) 40 days (4) 48 days

34. A can do a piece of work in 4 hours: B and C can do it in 3 hours. A and C can do it in 2 hours. How long will B alone take to do it ?

(1) 10 hours (2) 12 hours (3) 8 hours (4) 24 hours

TYPE EFFICIENCY BASED

35. A is 30% more efficient than B. How much time will they, working together, take to complete a job which A alone could have done in 23 days? a) 11 days b) 13 days c)20 d) Data inadequate e) None of these

36. Sakshi can do a piece of work in 20 days. Tanya is 25% more efficient than Sakshi. The number of days taken by Tanya to do the same piece of work is: a) 15 b) 16 c) 18 d) 25 e) None of these

37. A takes twice as much time as B or thrice as much time as C to finish a piece of work. Working together, they can finish the work in 2 days. B can do the work alone in: a) 4 days b) 6 days c) 8 days d) 12 days e) None of these

38. A works twice as fast as B. If B can complete a work in 12 days independently, the number of days in which A and B can together finish the work in: a) 4 days b) 6 days c) 8 days d) 18 days e) None of these

CONCEPT - LESS THAN DAYS (EFFICIENCY DIFFERNCE)

39. P is thrice as efficient as Q and is therefore able to finish a piece of work in 60 days less than Q. Find the time in which P and Q can complete the work individually.

a) 90 days, 30 days b) 60 days, 20 days c) 65 days, 30 days d) 85 days, 90 days e) None of these

40. A is twice as good a workman as B and is therefore able to finish a piece of work in 30 days less than B. Find the time in which A and B can complete the work together

41 . Pooja is twice as efficient as Aarti and takes 90 days less than Aarti to complete the job. Find the time in which they can finish the job together.

a. 30 days b. 45 days c. 60 days d. 90 days

TYPE - PIZZA CONCEPT :

Q42. A can do 1/4 of a work in 3 days and B can do 1/6 of the same work in 4 days, how much will A get if both work together and are paid Rs. 180 in all?

1 : Rs 150 2 : Rs 100 3 : Rs 120 4 : Rs 160 5 : None of these

43) A does 80% of a work in 20 days. He then calls in B and they together finish the remaining work in 3 days. How long B alone would take to do the whole work? a) 23 days b) 37 days c)37 d) 40 days e) None of these

44) X can do a piece of work in 40 days. He works at it for 8 days and then Y finished it in 16 days. How long will they together take to complete the work? a)13 b) A. 13 (1/3) days c) 20 days d) 26 days e) None of these

45) A and B can together finish a work 30 days. They worked together for 20 days and then B left. After another 20 days, A finished the remaining work. In how many days A alone can finish the work? a) 45 b) 50 c) 54 d) 60 e) None of these