

Aptitude - Time & Work Online Quiz

Following quiz provides Multiple Choice Questions (MCQs) related to **Simple Interest**. You will have to read all the given answers and click over the correct answer. If you are not sure about the answer then you can check the answer using **Show Answer** button. You can use **Next Quiz** button to check new set of questions in the quiz.



Q 1 - To finish a work, A sets aside half additional time than B. In the event that together they take 18 days to finish the work, what amount of time might B take to isn't that right?

A - 30 days

B - 35 days

C - 40 days

D - 45 days

Answer : A

Explanation

Suppose B takes x days. Then ,
A takes $150x/100$ days , i.e. $3x/2$ days
 $\therefore 1/x + 2/3x = 1/18 \Rightarrow 5/3x = 1/18 \Rightarrow 3x = 90 \Rightarrow x = 30$
Hence B takes 30 days.

Hide Answer

Q 2 - A and B can do a bit of work in 12 days. B and C can do it in 15 days and C and A can do it in 20 days. An alone can take every necessary step in:

A - 42/3 days

B - 24 days

C - 30 days

D - 40 days

Answer : C

Explanation

$(A+B)$'s 1 day work = $1/12$; $(B+C)$'s 1 day work = $1/15$; $(C+A)$'s 1 day work = $1/20$
 $2(A+B+C)$'s 1 day work = $(1/12 + 1/15 + 1/20) = (5+4+3)/60 = 12/60 = 1/5$
 $\therefore (A+B+C)$ 1 day work = $1/10$

$\Rightarrow A$'s 1 day work = $(1/10 - 1/15) = 1/30$

$\Rightarrow A$ alone can do this work in 30 days.

[Show Answer](#)

Q 3 - A can do 1/3 of a work in 5 days and B can do 2/5 of the work in 10 days. In how long both A and B together can take the necessary steps?

A - $31/4$ days

B - $44/5$ days

C - $75/8$ days

D - 10 days

Answer : C

Explanation

1/3 work is done by A in 5 days.

Whole work will be done by A in 15 days.

2/5 work is done by B in 10 days.

Whole work will be done by B in $(10 \times 5/2)$ days i.e 25 days

$(A+B)$'s 1 day work = $(1/15 + 1/25) = 8/75$

$\therefore A$ and B can do the work in $75/8$ days

[Hide Answer](#)

Q 4 - A can make a sure showing in 25 days which B alone can do in 20 days. A began the work and was joined by B following 10 days. The work went on for

A - 25/2 days

B - 128/9 days

C - 15 days

D - 50/3 days

Answer : D

Explanation

A's 10 days work = $(1/25 \times 10) = 2/5$; remaining work = $(1 - 2/5) = 3/5$
(A+B)'s 1 day work = $(1/25 + 1/20) = 9/100$
9/100 work is finished by (A+B) In 1 day.
3/5 work is finished by (A+B) in $(100/9 \times 3/5)$ days = 20/3 days
Total time taken = $(10 + 20/3) = 50/3$ days

Hide Answer

Q 5 - The rates of working of A and B are in the proportion 3:4. The no. of days taken by them to complete the work is in the proportion

A - 3:4

B - 9:16

C - 4:3

D - none of these

Answer : C

Explanation

Ratio of time taken = $1/3 : 1/4 = 4:3$

Hide Answer

Q 6 - 8 men can delve a pit in 20 days. On the off chance that a man works half double as a kid then 4 men and 9 kids can delve a comparable pit in:

A - 10 days

B - 12 days

C - 15 days

D - 16 days

Answer : D

Explanation

1 man = $\frac{3}{2}$ boys , 8 men = $(8 \times \frac{3}{2})$ boys = 12 boys

(4men + 9 boys) = $(4 \times \frac{3}{2} + 9)$ boys = 15 boys

Now, 12 boys dig it in 20 days.

1 boy digs it in (20×12) days.

15 boys will dig it in $(20 \times 12) / 15$ days = 16 days

[Hide Answer](#)

Q 7 - If 5 men or 9 ladies can complete a bit of work in 19 days, 3 men and 6 ladies will do likewise work in

A - 10 days

B - 12 days

C - 13 days

D - 15 days

Answer : D

Explanation

5 men 1 day work = $\frac{1}{19} \Rightarrow$ 1 man's 1 day work = $\frac{1}{95}$

9 women 1 day work = $\frac{1}{19} \Rightarrow$ 1 women 1 day work = $\frac{1}{171}$

(3 men + 6 women) 1 day work = $(\frac{3}{95} + \frac{6}{171}) = \frac{(27+30)}{855} = \frac{57}{855} = \frac{1}{15}$

\therefore 3 men and 6 women can finish the work in 15 days.

[Hide Answer](#)

Q 8 - If 12 man and 16 young men can do a bit of work in 5 days ; 13 man and 24 young men can do it in 4 days , then the proportion of the everyday work done by a men to that of a kid is:

A - 2:1

B - 3:1

C - 3:2

D - 5:4

Answer : A

Explanation

Let 1 men 1 day work be x and 1 boy 1 day work be y .

Then $12x + 16y = 1/5 \dots (1)$ $13x + 24y = 1/4 \dots (2)$

Multiplying (1) by 3 and (2) by 2 and subtracting, we get

$10x = (3/5 - 1/2) = 1/10 \Rightarrow x = 1/100$

Putting $x = 1/100$ in (1), we get $16y = (1/5 - 12/100) = 8/100 \Rightarrow y = 1/200$

Required ratio = $1/100 : 1/200 = 2:1$

[Hide Answer](#)

Q 9 - A can do 1/4th some portion of the work in 10 days, B can do 40% of the work in 40 days and C can do 1/3 rd of the work in 13 days. Who will finish the work first?

A - A

B - B

C - C

D - A and C Both

Answer : C

Explanation

1/4th of the work is done by A in 10 days.

Whole work will be done by A in $(10 \times 4/1) = 40$ days

40/100 of the work is done by B in 40 days.

Whole work will be done by B in $(40 \times 5/2) = 100$ days

1/3 of the work is done by C in 13 days.

Whole work will be done by C in $(13 \times 3/1) = 39$ days

Hence, C will complete the work first.

Show Answer

Q 10 - A, B and C finished a bit of work costing Rs. 1800. A labored for 6 days, B for 4 days and C for 9 days. On the off chance that their day by day wages are in the proportion 5:6:4, how much sum will be gotten by A?

A - 800

B - 600

C - 900

D - 750

Answer : B

Explanation

Ratio of wages of A,B,C= $(6*5):(4*6):(9*4)=30:24:36=5:4:6$. A share=Rs $(1800*5/15)$ =Rs 600.

Hide Answer