mcq-analytical-11-mar-2023

Upskill India Jan 2023 Program.

Total points **4/20** ?

I swear on my country (motherland), I swear on my mother tongue, I swear on my family, *
that I will take this test sincerely and honestly.

(Icon created by kosonicon - Flaticon)

⦿   I SWEAR.

Enter your registered email as per enrollment in Open Mentor portal or Naan Mudhalvan   *
Portal

n/a

Enter your Naan Mudhalvan Id, if applicable. Otherwise, enter N/A *

n/a

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4/20 ?

Aptitude

✗ **A man can walk a certain distance at a uniform speed in 100 days. How long will** *0/1
it take him to cover twice the distance at half the normal speed?

○ 50 days ✗

○ 25 days

○ 12½ days

○ 200 days

○ 400 days

Correct answer

⦿ 400 days

✓ A, B and C together earn Rs.300 per day, while A and C together earn Rs.188 and B *1/1
and C together earn Rs.152. The daily earning of C is :

⦿ Rs.40 ✓

○ Rs.150

○ Rs.68

○ Rs.112

○ Option 5

✕ If a man can do a work alone in 5 days,Sagar alone can do the work in 10 days, *0/1
and Sathish alone can do the work in 15 days , then in how many days will they
complete 11 such works?

◉ 27 days ✕

◯ 29 days

◯ 30 days

◯ 28 days

Correct answer

◉ 30 days

✕ X is twice as good as workman as Y and together they finish a piece of work in 22 *0/1
days. In how many days will X alone finish the work?

◉ 28 days ✕

◯ 30 days

◯ 36 days

◯ 33 days

Correct answer

◉ 33 days

✕ A certain sum of money is distributed among Ravi, Rahul and Raj in the ratio 8:5:7 *0/1
in such a way that share of Ravi was Rs.1000 less than the sum of share of Rahul
and Raj. Find the difference between the share of Ravi and Raj?

◉ 450 ✕

◯ 350

◯ 250

◯ 190

Correct answer

◉ 250

✕ 6 ÷ 6 x 9 + 6 - 9 x 6 - 6 + 6 x 9 = ? * 0/1

◉ 7 ✕

◯ 8

◯ 9

◯ 10

◯ Option 5

Correct answer

◉ 9

✓ A person crosses a 400 m long street in 6 minutes. What is his speed in km per hour *1/1

○ 4 km/h ✓

○ 6 km/h

○ 8 km/h

○ 2 km/h

✗ In covering a distance of 20 km, Raj takes 3 hours more than Sam. If Raj doubles his speed, then he would take 2 hours less than Sam. What is Raj's speed? *0/1

○ 4 km/h ✗

○ 6 km/h

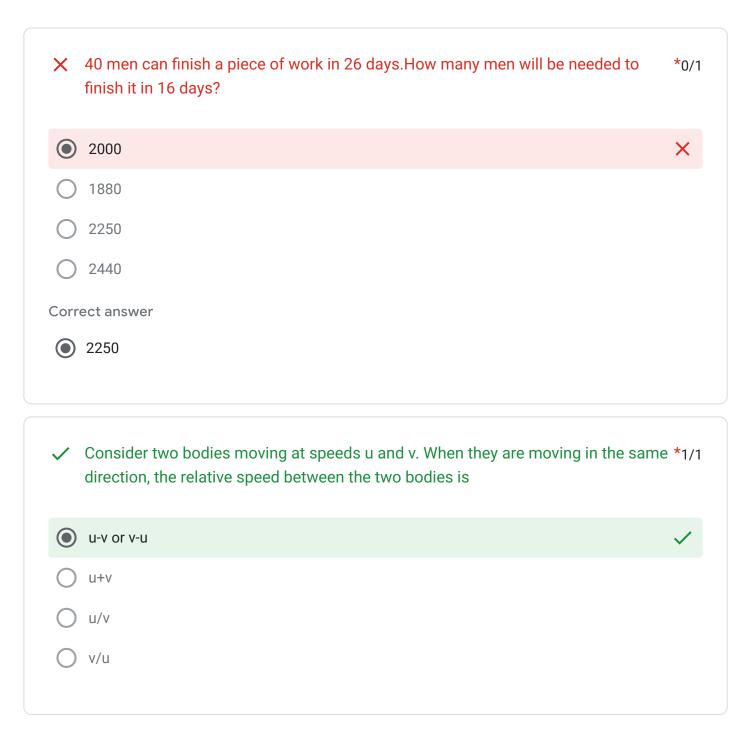○ 8 km/h

○ 2 km/h

Correct answer

◉ 2 km/h

✗ A, B and C can complete a pieve of work in 729. 486, and 1458 days respectively. *0/1
Working together, they will complete the work in how many days?

◉ 241   ✗

◯ 245

◯ 247

◯ 243

Correct answer

◉ 243

✗ 16 men can complete a work in 12 days, 24 children can complete the same work *0/1
in 18 days, 12 men and 8 children started working and after 8 days, 3 more
children joined them. How many days will they now take to complete the
remaining work ?

◉ 2 days   ✗

◯ 4 days

◯ 8 days

◯ 6 days

Correct answer

◉ 4 days

✕ **What approximate value should come in place of the question mark "?" in the following question**
11.1% of 99.17 + 22.22% of 98.87 - 9.89% of 100.12 =? *0/1

⦿ 24 ✕

◯ 22

◯ 23

◯ 20

Correct answer

⦿ 23

✕ **Mark the correct formula for Average Speed** * 0/1

⦿ Total Distance * Total Time ✕

◯ Total Distance / Total Time

◯ Total Distance + Total Time

◯ Total Distance - Total Time

Correct answer

⦿ Total Distance / Total Time

✗ **A 100 m long 3 m high and 30 cm wide wall is built by 30 men, 20 women and 50** * 0/1
children working 9 hours a day in 20 days. How long a wall 1.5 m high 30 cm
wide can be built by 15 men, 25 women and 35 children working 2 hour a day in
15 days (given men, women and children are equally efficient)?

◉ 75 m ✗

○ 25 m

○ 50 m

○ 100 m

○ 125 m

Correct answer

◉ 25 m

✓ Rajesh types 75 pages in 14 hours. So how many pages can he type in 20 hours? *   1/1

◉ 107 1/7 pages ✓

○ 113 2/9 pages

○ 106 1/4 pages

○ 127 1/2 pages

✕ To conclude about the relations between Time, Speed Distance - Which of the following statement is true? ***0/1**

○ If two bodies move at the same speed, the distances covered by them are (directly) proportionality to the times of travel. i.e. when s is constant ✕

○ If two bodies move for the same time period, the distances covered by them are (directly) proportional to the speeds of travel. i.e. when t is constant

○ If two bodies move for the same distance, their times of travel are inversely

○ All the options provided

Correct answer

⦿ All the options provided

✕ The formula for Speed = ? * **0/1**

⦿ Km /h ✕

○ M/s

○ Distance * Time

○ Distance / Time

Correct answer

⦿ Distance / Time

✗ **5 men and 3 women together or 9 men can cultivate a land in 60 days. Then how many days 8 men and 9 women together cultivate the same land?** *0/1

- ⊙ 23 ✗
- ○ 27
- ○ 25
- ○ 26

Correct answer

- ⊙ 27

✗ **If two objects have their speeds in the ratio a:b, distance covered by the two objects in the same time will be in the ratio a:b and time taken by the two objects to cover same distance will be in the ratio** *0/1

- ⊙ a:b ✗
- ○ b:a
- ○ a/b : b/a
- ○ 2a: 2b

Correct answer

- ⊙ b:a

X 40 men can finish a piece of work in 26 days.How many men will be needed to finish it in 16 days? *0/1

○ 2000 ✕

○ 1880

○ 2250

○ 2440

Correct answer

● 2250

✓ Consider two bodies moving at speeds u and v. When they are moving in the same direction, the relative speed between the two bodies is *1/1

● u-v or v-u ✓

○ u+v

○ u/v

○ v/u

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