1. A and B complete a work in 6 days. A alone can do it in 10 days. If both together can do the work in how many days?

* [**A.**](javascript:%20void(0)) 3.75 days
* [**B.**](javascript:%20void(0)) 4 days
* [**C.**](javascript:%20void(0)) 5 days
* [**D.**](javascript:%20void(0)) 6 days

Ans a

2. A and B together can do a piece of work in 8 days. If A alone can do the same work in 12 days, then B alone can do the same work in?

* [**A.**](javascript:%20void(0)) 20 days
* [**B.**](javascript:%20void(0)) 16 days
* [**C.**](javascript:%20void(0)) 24 days
* [**D.**](javascript:%20void(0)) 28 days

Ans c

3. A can do a piece of work in 4 days. B can do it in 5 days. With the assistance of C they completed the work in 2 days. Find in how many days can C alone do it?

* [**A.**](javascript:%20void(0)) 10 days
* [**B.**](javascript:%20void(0)) 20 days
* [**C.**](javascript:%20void(0)) 5 days
* [**D.**](javascript:%20void(0)) 4 days

Ans b

5. A can do a piece of work in 30 days. He works at it for 5 days and then B finishes it in 20 days. In what time can A and B together it?

* [**A.**](javascript:%20void(0)) 16 2/3 days
* [**B.**](javascript:%20void(0)) 13 1/3 days
* [**C.**](javascript:%20void(0)) 17 1/3 days
* [**D.**](javascript:%20void(0)) 16 1/2 days
* Ans b

6. Ramesh can finish a work in 20 days and Sushil in 25 days. They both work together for 5 days and then Sushil goes away. In how many days will Ramesh complete the remaining work?

* [**A.**](javascript:%20void(0)) 8 days
* [**B.**](javascript:%20void(0)) 9 days
* [**C.**](javascript:%20void(0)) 10 days
* [**D.**](javascript:%20void(0)) 11 days

Ans D

7.  16 men can complete a piece of work in 25 days. In how many days can 20 men complete that piece of work?

* [**A.**](javascript:%20void(0)) 16 days
* [**B.**](javascript:%20void(0)) 18 days
* [**C.**](javascript:%20void(0)) 20 days
* [**D.**](javascript:%20void(0)) 22 days

Ans c

8. 45 men working 8 hours per day dig 30 m deep. How many extra men should be put to dig to a depth of 50 m working 6 hours per day?

* [**A.**](javascript:%20void(0)) 25
* [**B.**](javascript:%20void(0)) 30
* [**C.**](javascript:%20void(0)) 45
* [**D.**](javascript:%20void(0)) 55

9.  A is half good a work man as B and together they finish a job in 14 days. In how many days working alone B finish the job?

* [**A.**](javascript:%20void(0)) 20
* [**B.**](javascript:%20void(0)) 21
* [**C.**](javascript:%20void(0)) 22
* [**D.**](javascript:%20void(0)) 23

10. Ronald and Elan are working on an assignment. Ronald takes 6 hrs to type 32 pages on a computer, while Elan takes 5 hrs to type 40 pages. How much time will they take, working together on two different computers to type an assignment of 110 pages?

* [**A.**](javascript:%20void(0)) 7 hrs 30 min
* [**B.**](javascript:%20void(0)) 8 hrs
* [**C.**](javascript:%20void(0)) 8 hrs 15 min
* [**D.**](javascript:%20void(0)) 8 hrs 25 min

Ans c

11.  A can do a piece of work in 4 hours; B and C together can do it in 3 hours, which A and C together can do it in 2 hours. How long will B alone take to do it?

* [**A.**](javascript:%20void(0)) 8 hours
* [**B.**](javascript:%20void(0)) 10 hours
* [**C.**](javascript:%20void(0)) 12 hours
* [**D.**](javascript:%20void(0)) 24 hours

Ans c

12. A and B can do a work in 12 days, B and C in 15 days, C and A in 20 days. If A, B and C work together, they will complete the work in?

* [**A.**](javascript:%20void(0)) 5 days
* [**B.**](javascript:%20void(0)) 7 5/6 days
* [**C.**](javascript:%20void(0)) 10 days
* [**D.**](javascript:%20void(0)) 15 2/3 days

Ans c

13.  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.**](javascript:%20void(0)) 11 days
* [**B.**](javascript:%20void(0)) 13 days
* [**C.**](javascript:%20void(0)) 20 3/17 days
* [**D.**](javascript:%20void(0)) None of these
* Ans b

14. X and Y can do a piece of work in 20 days and 12 days respectively. X started the work alone and then after 4 days Y joined him till the completion of the work. How long did the work last?

* [**A.**](javascript:%20void(0)) 6 days
* [**B.**](javascript:%20void(0)) 10 days
* [**C.**](javascript:%20void(0)) 15 days
* [**D.**](javascript:%20void(0)) 20 days

Ans b

15. Two men can complete a piece of work in four days. Two women can complete the same work in eight days. Four boys can complete the same work in five days. If four men, eight women and 20 boys work together in how many days can the work be completed?

* [**A.**](javascript:%20void(0)) 1/2 day
* [**B.**](javascript:%20void(0)) 1(1/2) days
* [**C.**](javascript:%20void(0)) 1 day
* [**D.**](javascript:%20void(0)) 2 days

Ans a

16. The length of the bridge, which a train 130 meters long and travelling at 45 km/hr can cross in 30 seconds, is:

* [**A.**](javascript:%20void(0)) 200 m
* [**B.**](javascript:%20void(0)) 225 m
* [**C.**](javascript:%20void(0)) 245 m
* [**D.**](javascript:%20void(0)) 250 m

Ans c

17. A train speeds past a pole in 15 seconds and a platform 100 m long in 25 seconds. Its length is:

* [**A.**](javascript:%20void(0)) 100 m
* [**B.**](javascript:%20void(0)) 125 m
* [**C.**](javascript:%20void(0)) 130 m
* [**D.**](javascript:%20void(0)) 150 m

Ans d

18.  A train crosses a platform of 120 m in 15 sec, same train crosses another platform of length 180 m in 18 sec. then find the length of the train?

* [**A.**](javascript:%20void(0)) 175 m
* [**B.**](javascript:%20void(0)) 180 m
* [**C.**](javascript:%20void(0)) 185 m
* [**D.**](javascript:%20void(0)) 170 m

Ans b

19. A train 400 m long can cross an electric pole in 20 sec and then find the speed of the train?

* [**A.**](javascript:%20void(0)) 65 Kmph
* [**B.**](javascript:%20void(0)) 70 Kmph
* [**C.**](javascript:%20void(0)) 72 Kmph
* [**D.**](javascript:%20void(0)) 75 Kmph

Ans c

20. The two trains of lengths 400 m, 600 m respectively, running at same directions. The faster train can cross the slower train in 180 sec, the speed of the slower train is 48 km. then find the speed of the faster train?

* [**A.**](javascript:%20void(0)) 58 Kmph
* [**B.**](javascript:%20void(0)) 68 Kmph
* [**C.**](javascript:%20void(0)) 78 Kmph
* [**D.**](javascript:%20void(0)) 55 Kmph

Ans b

21. A jogger running at 9 km/hr along side a railway track is 240 m ahead of the engine of a 120 m long train running at 45 km/hr in the same direction. In how much time will the train pass the jogger?

* [**A.**](javascript:%20void(0)) 3.6 sec
* [**B.**](javascript:%20void(0)) 18 sec
* [**C.**](javascript:%20void(0)) 36 sec
* [**D.**](javascript:%20void(0)) 72 sec

Ans c

22. A train 110 m long is running with a speed of 60 km/hr. In what time will it pass a man who is running at 6 km/hr in the direction opposite to that in which the train is going?

* [**A.**](javascript:%20void(0)) 5 sec
* [**B.**](javascript:%20void(0)) 6 sec
* [**C.**](javascript:%20void(0)) 7 sec
* [**D.**](javascript:%20void(0)) 10 sec

Ans b

23. Two trains 140 m and 160 m long run at the speed of 60 km/hr and 40 km/hr respectively in opposite directions on parallel tracks. The time which they take to cross each other is?

* [**A.**](javascript:%20void(0)) 9
* [**B.**](javascript:%20void(0)) 9.6
* [**C.**](javascript:%20void(0)) 10
* [**D.**](javascript:%20void(0)) 10.8

Ans d

24. Two trains are moving in opposite directions at 60 km/hr and 90 km/hr. Their lengths are 1.10 km and 0.9 km respectively. The time taken by the slower train to cross the faster train in seconds is?

* [**A.**](javascript:%20void(0)) 36
* [**B.**](javascript:%20void(0)) 45
* [**C.**](javascript:%20void(0)) 48
* [**D.**](javascript:%20void(0)) 49

Ans c

25. A train 125 m long passes a man, running at 5 km/hr in the same direction in which the train is going, in 10 sec. The speed of the train is?

* [**A.**](javascript:%20void(0)) 45 km/hr
* [**B.**](javascript:%20void(0)) 50 km/hr
* [**C.**](javascript:%20void(0)) 54 km/hr
* [**D.**](javascript:%20void(0)) 55 km/hr

Ans b

26. Two trains, each 100 m long, moving in opposite directions, cross other in 8 sec. If one is moving twice as fast the other, then the speed of the faster train is?

* [**A.**](javascript:%20void(0)) 30 km/hr
* [**B.**](javascript:%20void(0)) 45 km/hr
* [**C.**](javascript:%20void(0)) 60 km/hr
* [**D.**](javascript:%20void(0)) 75 km/hr

Ans c

27. Two trains, one from Howrah to Patna and the other from Patna to Howrah, start simultaneously. After they meet, the trains reach their destinations after 9 hours and 16 hours respectively. The ratio of their speeds is?

* [**A.**](javascript:%20void(0)) 2:3
* [**B.**](javascript:%20void(0)) 4:3
* [**C.**](javascript:%20void(0)) 6:7
* [**D.**](javascript:%20void(0)) 9:16

Ans b

28. A train covers a distance of 12 km in 10 min. If it takes 6 sec to pass a telegraph post, then the length of the train is?

* [**A.**](javascript:%20void(0)) 90 m
* [**B.**](javascript:%20void(0)) 100 m
* [**C.**](javascript:%20void(0)) 120 m
* [**D.**](javascript:%20void(0)) 140 m

Ans c

29. A train 240 m long passed a pole in 24 sec. How long will it take to pass a platform 650 m long?

* [**A.**](javascript:%20void(0)) 65 sec
* [**B.**](javascript:%20void(0)) 89 sec
* [**C.**](javascript:%20void(0)) 100 sec
* [**D.**](javascript:%20void(0)) 150 sec

Ans b

30.  A train 800 m long is running at a speed of 78 km/hr. If it crosses a tunnel in 1 min, then the length of the tunnel is?

* [**A.**](javascript:%20void(0)) 130 m
* [**B.**](javascript:%20void(0)) 360 m
* [**C.**](javascript:%20void(0)) 500 m
* [**D.**](javascript:%20void(0)) 540 m

Ans c

**Directions (1-5):** Read both the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Give answer—

(1) if only conclusion I is true.

(2) if only conclusion II is true.

(3) if either conclusion I or conclusion II is true.

(4) if neither conclusion I nor conclusion II is true

(5) if both conclusions I and II are true.

**1.**    **Statements** : All machines are bad. Some bad are globe.

All globe are round.

**Conclusions** **:I.** Some machines are round.

**II.** No machine is round.

**2.**    **Statements** : All cotton are jute. All jute are brown.

No brown is red.

**Conclusions** :**I.** All brown are cotton.

**II.** Some jute are cotton

**3.**    **Statements** :Some cute are tall. Some tall are rubbish.

All rubbish are man.

**Conclusions** :**I.** Some man are tall.

**II.** Some cute are man.

**4.**    **Statements** : All lights are woods.

**S**ome papers are woods. All papers are boring.

**Conclusions** :**I.** Some boring  are woods.

**II.** Some woods are lights.

**5.**    **Statements**: Some soccer are live.

Some cover are plastic. Some plastic are real.

**Conclusions**: **I.**Some plastic are live

**II.** Some cover are real

**Directions (6-10):**Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

**6.**    **Statements**:  Some red are blue. Some blue are grey.

All grey are white.  No white is black.

**Conclusions: I.** No black is grey.

**II.** Some blue are white.

**III.** Some black are red**.**

**IV.** No black is red.

(1) Only I and II follow

(2) Only either III or IV follows

(3) Only I and either III or IV follow

(4) Only I, II and either III or IV follow

(5) None of these

**7.**    **Statements**: All red are white. Some white are pink.

Some pink are yellow. No yellow is blue.

**Conclusions: I.** No blue is pink.

**II.** Some pink are red.

**III.** Some blue are red**.**

**IV.** Some blue are pink.

(1) None follows

(2) Only either I or IV follows

(3) Only I follows

(4) Only III & IV follow

(5) All follow

**8.**    **Statements**: Some blue are black. Some black are grey.

All grey are red. All red are pink.

**Conclusions: I.** Some red are black.

**II.** Some pink are black.

**III.** Some pink are grey**.**

**IV.** Some red are blue.

(1) Only I & II follow

(2) Only II & III follow

(3) Only I, II and III follow

(4) All follow

(5) None of these

**9.**    **Statements**: All green are pink. Some pink are black.

Some black are blue.  All blue are white.

**Conclusions: I.** Some black are white.

**II.** Some blue are pink.

**III.** Some pink are green.

**IV.** No green is white.

(1) None follows

(2) Only I and III follows

(3) Only III follows

(4) Only either I or II follows

(5) None of these

**10.**  **Statements**: Some blue are white.  All white are red.

 All red are pink. Some pink are yellow.

**Conclusions: I.**Some yellow are red.

**II.** Some yellow are white.

**III.** All red are white.

**IV.** Some yellow are blue.

(1) None follows

(2) Only I follows

(3) Only II follows

(4) Only II & III follow

(5) None of these

**Answers:**

|  |  |  |  |
| --- | --- | --- | --- |
| **1** | 3 | **6** | 4 |
| **2** | 2 | **7** | 2 |
| **3** | 1 | **8** | 3 |
| **4** | 5 | **9** | 2 |
| **5** | 4 | **10** | 1 |

.11.  A cycle is bought for Rs.900 and sold for Rs.1080, find the gain percent?

[**A.**](javascript:%20void(0)) 16 2/3%

[**B.**](javascript:%20void(0)) 20%

[**C.**](javascript:%20void(0)) 18%

[**D.**](javascript:%20void(0)) 25%

Answer: Option B

12. An article is bought for Rs.600 and sold for Rs.500, find the loss percent?

* [**A.**](javascript:%20void(0)) 16 4/3%
* [**B.**](javascript:%20void(0)) 100/3%
* [**C.**](javascript:%20void(0)) 16%
* [**D.**](javascript:%20void(0)) 16 2/3%

Ans D

13. A tradesman by means of his false balance defrauds to the extent of 20%? in buying goods as well as by selling the goods. What percent does he gain on his outlay?

* [**A.**](javascript:%20void(0)) 20%
* [**B.**](javascript:%20void(0)) 45%
* [**C.**](javascript:%20void(0)) 44%
* [**D.**](javascript:%20void(0)) 48%

Ans C

14. A dishonest dealer professes to sell goods at the cost price but uses a weight of 800 grams per kg, what is his percent?

* [**A.**](javascript:%20void(0)) 20%
* [**B.**](javascript:%20void(0)) 25%
* [**C.**](javascript:%20void(0)) 30%
* [**D.**](javascript:%20void(0)) 15%

Ans B

15.  A man purchases 8 pens for Rs.9 and sells 9 pens for Rs.8, how much profit or loss does he make?

* [**A.**](javascript:%20void(0)) 20.98% profit
* [**B.**](javascript:%20void(0)) 20.98% loss
* [**C.**](javascript:%20void(0)) 20.89% profit
* [**D.**](javascript:%20void(0)) 20.89% loss

Ans B

16. A man sells two articles for Rs.3600 each and he gains 30% on the first and loses 30% on the next. Find his total gain or loss?

* [**A.**](javascript:%20void(0)) 9% loss
* [**B.**](javascript:%20void(0)) 400
* [**C.**](javascript:%20void(0)) 4000
* [**D.**](javascript:%20void(0)) 324

Ans A

17. A man buys an article and sells it at a profit of 20%. If he had bought it at 20% less and sold it for Rs.75 less, he could have gained 25%. What is the cost price?

* [**A.**](javascript:%20void(0)) Rs.370
* [**B.**](javascript:%20void(0)) Rs.375
* [**C.**](javascript:%20void(0)) Rs.350
* [**D.**](javascript:%20void(0)) Rs.300

Ans D

18.  In a kilometer race, A beats B by 50 meters or 10 seconds. What time does A take to complete the race?

* [**A.**](javascript:%20void(0)) 200 sec
* [**B.**](javascript:%20void(0)) 190 sec
* [**C.**](javascript:%20void(0)) 210 sec
* [**D.**](javascript:%20void(0)) 150 sec

Ans B

19.  In a race of 1000 m, A can beat by 100 m, in a race of 800m, B can beat C by 100m. By how many meters will A beat C in a race of 600 m?

* [**A.**](javascript:%20void(0)) 57.5 m
* [**B.**](javascript:%20void(0)) 127.5 m
* [**C.**](javascript:%20void(0)) 150.7 m
* [**D.**](javascript:%20void(0)) 98.6 m

Ans B

20.  Find the principle on a certain sum of money at 5% per annum for 2 2/5 years if the amount being Rs.1120?

* [**A.**](javascript:%20void(0)) Rs.1000
* [**B.**](javascript:%20void(0)) Rs.1100
* [**C.**](javascript:%20void(0)) Rs.1050
* [**D.**](javascript:%20void(0)) Rs.1200

Ans A

21. At what rate percent on simple interest will Rs.750 amount to Rs.900 in 5 years?

* [**A.**](javascript:%20void(0)) 5%
* [**B.**](javascript:%20void(0)) 3 1/2%
* [**C.**](javascript:%20void(0)) 4%
* [**D.**](javascript:%20void(0)) 5 1/2 %

Ans C

22. Sonika deposited Rs.8000 which amounted to Rs.9200 after 3 years at simple interest. Had the interest been 2% more. She would get how much?

* [**A.**](javascript:%20void(0)) Rs.9680
* [**B.**](javascript:%20void(0)) Rs.9860
* [**C.**](javascript:%20void(0)) Rs.9380
* [**D.**](javascript:%20void(0)) Rs.9800

Ans A

23.  Rs.2500 is divided into two parts such that if one part be put out at 5% simple interest and the other at 6%, the yearly annual income may be Rs.140. How much was lent at 5%?

* [**A.**](javascript:%20void(0)) Rs.1500
* [**B.**](javascript:%20void(0)) Rs.1300
* [**C.**](javascript:%20void(0)) Rs.1200
* [**D.**](javascript:%20void(0)) Rs.1000

Ans D

24.  Find the compound interest and the amount on Rs.8000 at 5% per annum for 3 years when C.I is reckoned yearly?

* [**A.**](javascript:%20void(0)) Rs.1261
* [**B.**](javascript:%20void(0)) Rs.1440
* [**C.**](javascript:%20void(0)) Rs.1185
* [**D.**](javascript:%20void(0)) Rs.1346

Ans A

25.  If Rs.7500 are borrowed at C.I at the rate of 4% per annum, then after 2 years the amount to be paid is?

* [**A.**](javascript:%20void(0)) Rs.8082
* [**B.**](javascript:%20void(0)) Rs.7800
* [**C.**](javascript:%20void(0)) Rs.8100
* [**D.**](javascript:%20void(0)) Rs.8112

26.  A person who is the husband of my son's sister is my

* [**A.**](javascript:%20void(0)) Nephew
* [**B.**](javascript:%20void(0)) Son-in-law
* [**C.**](javascript:%20void(0)) Son
* [**D.**](javascript:%20void(0)) Brother
* [**E.**](javascript:%20void(0)) Father

Ans B

27. Showing a photograph P said, " She is my mother's mother's son's daughter ". How is the person in the photograph related to P ?

* [**A.**](javascript:%20void(0)) Sister
* [**B.**](javascript:%20void(0)) Cousin
* [**C.**](javascript:%20void(0)) Niece
* [**D.**](javascript:%20void(0)) Mother
* [**E.**](javascript:%20void(0)) None of these.

Ans B

28. How is my grandmother's only child's husband's mother related to me ?

* [**A.**](javascript:%20void(0)) Mother
* [**B.**](javascript:%20void(0)) Grandmother
* [**C.**](javascript:%20void(0)) Aunt
* [**D.**](javascript:%20void(0)) Sister
* [**E.**](javascript:%20void(0)) Cousin

Ans B

29.  How is Ravi's mother's father's son related to Ravi's father ?

* [**A.**](javascript:%20void(0)) Cousin
* [**B.**](javascript:%20void(0)) Uncle
* [**C.**](javascript:%20void(0)) Brother-in-law
* [**D.**](javascript:%20void(0)) Son-in-law
* [**E.**](javascript:%20void(0)) Mother

Ans C

30. Tinku, introducing a person to Rinku, said "He is the father of your sister's son and he is also my mother's husband". How is Tinku's father related to Rinku's mother ?

* [**A.**](javascript:%20void(0)) Nephew
* [**B.**](javascript:%20void(0)) Uncle
* [**C.**](javascript:%20void(0)) Son-in-law
* [**D.**](javascript:%20void(0)) Father
* [**E.**](javascript:%20void(0)) None of these

Ans C