

1. A can do a piece of work in 10 days while B can do it in 15 days. How long will they take together?

- A) 6 days
- B) 5 days
- C) 8 days
- D) 10 days

Answer: B

2. A and B together can complete a task in 12 days. A alone can do it in 20 days. How long will B alone take?

- A) 15 days
- B) 20 days
- C) 30 days
- D) 25 days

Answer: C

3. A is twice as efficient as B. If B takes 20 days to complete a job, how many days will A take?

- A) 10 days
- B) 20 days
- C) 30 days
- D) 40 days

Answer: A

4. A can do a work in 18 days and B in 24 days. They work together for 4 days. How much work is left?

- A) $\frac{5}{9}$
- B) $\frac{7}{9}$
- C) $\frac{11}{18}$
- D) $\frac{13}{18}$

Answer: C

5. A, B, and C together finish a work in 8 days. A alone does half as much as B and C together. Find B's time alone.

- A) 10 days
- B) 12 days
- C) 16 days
- D) 20 days

Answer: C

6. A train 150 m long crosses a man walking at 6 km/h in the opposite direction in 6 seconds. Find train speed.

- A) 54 km/h
- B) 60 km/h
- C) 72 km/h
- D) 90 km/h

Answer: C

7. A car covers 360 km at a speed of 60 km/h. How long will it take?

- A) 4 hours
- B) 5 hours
- C) 6 hours
- D) 7 hours

Answer: C

8. A man runs at 12 km/h. How long will he take to cover 1.5 km?

- A) 3 min
- B) 5 min
- C) 7.5 min
- D) 10 min

Answer: A

9. A train crosses a pole in 10 seconds at 54 km/h. Find its length.

- A) 100 m
- B) 120 m
- C) 150 m
- D) 180 m

Answer: B

10. A boat travels 30 km downstream in 3 hours and upstream in 5 hours. Find speed of boat in still water.

- A) 6 km/h
- B) 8 km/h
- C) 10 km/h
- D) 12 km/h

Answer: B

11. A can do 20% of a work in 2 days. How many days to finish full work?

- A) 8 days
- B) 10 days
- C) 12 days
- D) 14 days

Answer: A

12. A and B working together finish a work in 16 days. B alone takes 24 days. Find A's time.

- A) 36 days
- B) 48 days
- C) 64 days
- D) 72 days

Answer: A

13. A motorbike increases its speed from 40 km/h to 60 km/h. How long to cover 100 km at new speed?

- A) 1 hour
- B) 1.25 hours
- C) 1.5 hours
- D) 2 hours

Answer: A

14. A boy walks 20 km at 5 km/h. Find time taken.

- A) 2 hours
- B) 3 hours
- C) 4 hours
- D) 5 hours

Answer: C

15. A pipe fills a tank in 6 hours while another empties in 9 hours. If both opened, how long to fill?

- A) 12 hours
- B) 10 hours
- C) 18 hours
- D) 15 hours

Answer: B

16. A 200 m train crosses a platform in 30 seconds at 72 km/h. Find platform length.

- A) 150 m
- B) 200 m
- C) 250 m
- D) 300 m

Answer: D

17. A does a work in 30 days, B in 45 days. They work for 10 days together. Remaining work?

- A) $\frac{1}{2}$
- B) $\frac{5}{9}$
- C) $\frac{4}{9}$
- D) $\frac{2}{3}$

Answer: C

18. Two trains moving opposite at 40 km/h and 60 km/h cross in 9 seconds. Find sum of lengths.

- A) 220 m
- B) 250 m
- C) 300 m
- D) 360 m

Answer: C

19. A man rows 16 km downstream in 2 hours and upstream in 4 hours. Find stream speed.

- A) 1 km/h
- B) 2 km/h
- C) 3 km/h
- D) 4 km/h

Answer: B

20. A machine produces 600 units in 4 hours. How many hours to produce 1500 units?

- A) 7 hours
- B) 8 hours
- C) 10 hours
- D) 12 hours

Answer: C