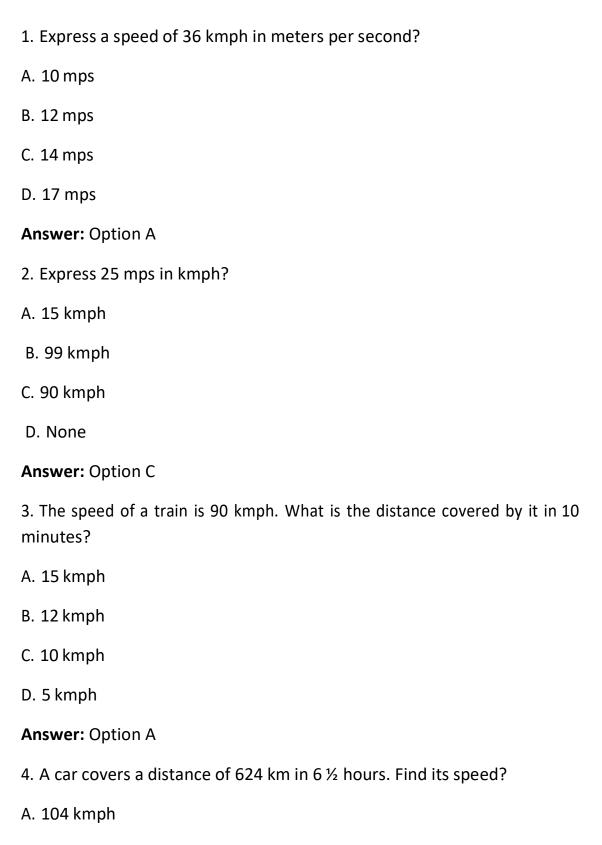
## **Mathematics**



- B. 140 kmphC. 104 mph
- D. 10.4 kmph

**Answer:** Option A

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

- A. 3.75 days
- B. 4 days
- C. 5 days
- D. 6 days

**Answer:** Option A

6. 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. 10 days
- B. 20 days
- C. 5 days
- D. 4 days

**Answer:** Option B

- 7. A, B and C can do a piece of work in 24, 30 and 40 days respectively. They start the work together but C leaves 4 days before the completion of the work. In how many days is the work done?
- A. 15 days
- B. 14 days

C. 13 days
D. 11 days
Answer: Option D
8. 5 men and 12 boys finish a piece of work in 4 days, 7 men and 6 boys do it in 5 days. The ratio between the efficiencies of a man and boy is?
A. 1:2
B. 2:1
C. 2:3
D. 6:5
Answer: Option D
9. A and B can finish a work in 16 days while A alone can do the same work in 24 days. In how many days B alone will complete the work?
A. 56
B. 48
C. 36
D. 58
Answer: Option B
10. Some persons can do a piece of work in 12 days. Two times the number of these people will do half of that work in?
A. 3 days
B. 4 days
C. 6 days
D. 12 days

**Answer:** Option A 11. What number has a 5:1 ratio to the number 10? A. 42 B. 50 C. 55 D. 62 **Answer:** Option B 12. Two same glasses are respectively 1/4th 1/5th full of milk. They are thenfilled with water and the contents mixed in a tumbler. The ratio of milk and water in the tumbler is? A. 3:8 B. 9:31 C. 8:21 D. 10:27 **Answer:** Option B 13. A and B entered into a partnership investing Rs.25000 and Rs.30000 respectively. After 4 months C also joined the business with an investment of Rs.35000. What is the share of C in an annual profit of Rs.47000? A. Rs.18000 B. Rs.15000 C. Rs.17000 D. Rs.14000

**Answer:** Option D

14. In how many years does a sum of Rs. 5000 yield a simple interest of Rs. 16500 at 15% p.a.?
A. 22
B. 24
C. 25
D. 23
Answer: Option A
15. The radius of a circle is increased by 1%. Find how much % does its area increases?
A. 1.01%
B. 5.01%
C. 3.01%
D. 2.01%
Answer: Option D