
SAMPLE**Score: _____/10****Answer the following questions.**1. **24** is the G.C.F. of which set of numbers...

- a) 96 & 108 b) 48 & 108 c) 96 & 120 d) 24 & 108

2. The G.C.F. and L.C.M. of **190** and **152** are...

- a) 19 & 380 b) 19 & 760 c) 38 & 760 d) 38 & 380

3. The L.C.M. of two numbers is **784**. One number is **196**. The other number is...

- a) 35 b) 56 c) 112 d) 49

4. The G.C.F. of two numbers is **11**. One number is **66**. The other number is...

- a) 99 b) 143 c) 132 d) 198

5. **7 and 8** are both factors of...

- a) 1352 b) 1064 c) 950 d) 1650

6. **17** is a factor of...

- a) 136 b) 335 c) 635 d) 735

Word Problems**7-8.** A horse takes 25 seconds to run around a farm.

7. Which of the following will calculate the number of times it will run around the farm in 45 minutes?

- a)
- $45 \times 25 \div 60$
- b)
- $25 \div 60 \times 45$
- c)
- $45 \times 60 \div 25$
- d)
- $45 \times 60 \times 25$

8. The distance covered by running around the farm is 300 yards. How much distance will the horse cover in 100 seconds?

- a)
- 100×300
- b)
- $100 \times 300 \div 25$
- c)
- $100 \times 25 \div 300$
- d)
- $100 \div 25 \times 300$

9. A car's odometer reads 15,250 miles. The car goes 20 miles on every gallon of gas. What will the odometer read after 25 gallons of gas?

- a) 15,500 b) 15,750 c) 15,900 d) 15,650

10. Shane drives his car at 45 miles per hour for 4 hours and 65 miles per hour for 5 hours. His average speed in miles per hour can be calculated as...

- a)
- $(45 + 65) \times 4 \div 5$
- b)
- $45 \times 4 + 65 \times 5 \div 9$
-
- c)
- $(45 \times 4 + 65 \times 5) \div 4 + 5$
- d)
- $(45 \times 4 + 65 \times 5) \div (4 + 5)$