

Aptitude Papers: Numerical Aptitude Questions (Paper 1 of 12)

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1. Let $R = qs - 4$. When $s = 8$, $R = 16$. When $s = 10$, R is equal to

- a. 11
- b. 14
- c. 20
- d. 21

Answer: d

2. If $27^2/3 \times 81^{-1/2} = 3x$, the value of x is

- a. -1
- b. 0
- c. 1
- d. 2

Answer: b

3. 0.333×0.444 is equal to

- a. 0.148148148
- b. 0.777
- c. 0.121212
- d. 1.333

Answer: a

4. A car covers a distance of 715 km at a constant speed. If the speed of the car would have been 10 km/hr more, then it would have taken 2 hours less to cover the same distance. What is the original speed of the car?

- a. 45 km/hr
- b. 50 km/hr

c. 55 km/hr

d. 65 km/hr

Answer: c

5. On converting the following base-2 numeral in base ten, 1101101, we get

a. 96

b. 104

c. 108

d. 109

Answer: d

6. The number of prime factors of $6^{10} \times 7^{17} \times 55^{27}$

a. 54

b. 64

c. 81

d. 91

Answer: d

7. A train crosses a pole in 15 seconds, while it crosses 100 meter long platform in 25 seconds. The length of the train is-

a. 125m

b. 135 m

c. 159 m

d. 175 m

Answer: c

8. Two taps A and B can fill a tank in 12 minutes and 15 minutes respectively. If both the taps are opened simultaneously and the tap A is closed after 3 minutes, then how much more time will it take to fill the tank by tap B?

a. 7 min & 15 sec

b. 7 min & 45 sec

c. 8 min & 5 sec

d. 8 min & 15 sec

Answer: d

9. The milk and water in two vessels A and B are in the ratio 4: 3 and 2: 3 respectively. In what ratio, the liquids be mixed in both the vessels so that the new liquid contains half milk and half water?

a. 7: 5

b. 1: 2

c. 2: 1

d. 6: 5

Answer: a