



101 SPEED TEST

2

FRACTION, HCF AND LCM

Max. Marks : 35

No. of Qs. 35

Time : 25 min.

Date :/...../.....

- The respective ratio between the present ages of Ram and Rakesh is 6 : 11. Four years ago, the ratio of the ages was 1 : 2 respectively. What will be Rakesh's age after five years ?
(a) 45 years (b) 29 years
(c) 49 years (d) Cannot be determined
(e) None of these
- If the numerator of a fraction is increased by 150% and the denominator of the fraction is increased by 350%, the resultant fraction is $\frac{25}{51}$, what is the original fraction ?
(a) $\frac{11}{17}$ (b) $\frac{11}{15}$ (c) $\frac{15}{17}$
(d) $\frac{13}{15}$ (e) None of these
- By how much is $\frac{3}{4}$ th of 968 less than $\frac{7}{8}$ th of 1008 ?
(a) 154 (b) 146 (c) 165
(d) 158 (e) None of these
- Two third of three-fourth of one-fifth of a number is 15. What is 30 per cent of that number ?
(a) 45 (b) 60 (c) 75
(d) 30 (e) None of these
- The value of which of the following fractions is less than twenty per cent ?
(a) $\frac{5}{6}$ (b) $\frac{2}{3}$ (c) $\frac{2}{5}$
(d) $\frac{1}{4}$ (e) $\frac{2}{11}$
- When 30% of one number is subtracted from another number, the second number reduces to its four-fifth. What is the ratio between the first and the second number respectively ?
(a) 4 : 7 (b) 3 : 2
(c) 2 : 5 (d) Cannot be determined
(e) None of these
- If the numerator of a fraction is increased by 400% and the denominator is increased by 500%. The resultant fraction is $\frac{20}{27}$. What was the original fraction ?
(a) $\frac{9}{8}$ (b) $\frac{11}{12}$
(c) $\frac{3}{4}$ (d) Cannot be determined
(e) None of these
- If the numerator of a fraction is increased by 200% and the denominator is increased by 350%. The resultant fraction is $\frac{5}{12}$. What was the original fraction ?
(a) $\frac{5}{9}$ (b) $\frac{5}{8}$ (c) $\frac{7}{12}$
(d) $\frac{11}{12}$ (e) None of these
- The difference between the $\frac{3}{4}$ th of $\frac{4}{5}$ th of a number and $\frac{1}{6}$ th of $\frac{2}{5}$ th of the same number is 648. What is the number ?
(a) 1110 (b) 1215 (c) 1325
(d) 1440 (e) None of these
- If $3\frac{4}{5}$ is subtracted from $6\frac{3}{5}$ and difference is multiplied by 355 then what will be the final number ?
(a) 1004 (b) 884 (c) 774
(d) 994 (e) None of these
- If the numerator of a fraction is increased by 240% and the denominator of the fraction is decreased by 50%, the resultant fraction is $2\frac{5}{6}$. What is the original fraction ?
(a) $\frac{1}{4}$ (b) $\frac{2}{3}$ (c) $\frac{5}{12}$
(d) $\frac{4}{11}$ (e) None of these
- If the numerator of a fraction is increased by 200% and the denominator is increased by 300%, the resultant fraction is $\frac{15}{26}$. What was the original fraction ?
(a) $\frac{8}{11}$ (b) $\frac{10}{11}$ (c) $\frac{9}{13}$
(d) $\frac{10}{13}$ (e) None of these

RESPONSE
GRID

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|---------------------|---------------------|--------------------|--------------------|---------------------|
| 1. (a)(b)(c)(d)(e) | 2. (a)(b)(c)(d)(e) | 3. (a)(b)(c)(d)(e) | 4. (a)(b)(c)(d)(e) | 5. (a)(b)(c)(d)(e) |
| 6. (a)(b)(c)(d)(e) | 7. (a)(b)(c)(d)(e) | 8. (a)(b)(c)(d)(e) | 9. (a)(b)(c)(d)(e) | 10. (a)(b)(c)(d)(e) |
| 11. (a)(b)(c)(d)(e) | 12. (a)(b)(c)(d)(e) | | | |