

ASSESSMENT

Instruction: attempt all questions

1. $V + 18 = 62$, find the value of V (a) 44 (b) 62 (c) 54 (d) 80 (e) 9
2. Express 1.25 as a percentage (a) $\frac{1}{8}\%$ (b) $1\frac{1}{4}\%$ (c) 8% (d) 125% (e) 25%
3. Express $2\frac{4}{5}$ as a decimal (a) 0.245 (b) 0.28 (c) 2.45 (d) 2.80 (e) 28.0
4. Express 625 as a fraction of 1000 in its lowest term. (a) $\frac{1}{2}$ (b) $\frac{19}{40}$ (c) $\frac{5}{8}$ (d) $\frac{21}{40}$ (e) $\frac{25}{40}$
5. Express $\frac{3}{4}$ as a decimal. (a) 0.85 (b) 0.80 (c) 0.75 (d) 0.67 (e) 7.50
6. Find the missing number in the statement below: $26 + ? = 50$ (a) 48 (b) 24 (c) 20 (d) 13 (e) 25
7. Express 5% as a decimal. (a) 0.005 (b) 0.05 (c) 0.5 (d) 5.0 (e) $\frac{5}{100}$
8. Express 31010 in words. (a) thirty one thousand and ten (b) thirty thousand one hundred and ten (c) three hundred ten thousand and ten (d) three thousand one hundred and ten (e) three thousand ten hundred and ten
9. Which of the following represents the prime factors of 130? (a) 1, 2, 65 (b) 11, 10, 13 (c) 2, 5, 13 (d) 2, 10, 15 (e) 2, 13, 65
10. The least common multiple of 50, 15 and 6 is _____. (a) 150 (b) 300 (c) 450 (d) 600 (e) 4500
11. If 2 dozen eggs cost ₦300, how much will 5 eggs costs? (a) ₦1,500.00 (b) ₦625.00 (c) ₦120.00 (d) ₦62.50 (e) ₦12.50
12. Express $15\frac{1}{2}$ as a decimal fraction. (a) 15.2 (b) 12.02 (c) 15.002 (d) 1.52 (e) 1.502
13. What is the product of 28 and 14? (a) 392 (b) 42 (c) 329 (d) 14 (e) 2
14. Chinwe, Sadiat and Sade shared 150 mangoes in the ratio 1:2:3 respectively. How many mangoes did Sade have? (a) 125 (b) 100 (c) 75 (d) 50 (e) 25
15. What is the smallest number which can be divided exactly by 22, 44 and 55? (a) 550 (b) 440 (c) 220 (d) 110 (e) 11
16. If a biro costs ₦12.50, how many biros can you buy with ₦300? (a) 27 (b) 26 (c) 25.5 (d) 24 (e) 23.5
17. How many hours are there between 6:30a.m. and 7:30p.m. of the same day? (a) 1 hr (b) 7 hrs (c) 13 hrs (d) 15 hrs (e) 23 hrs



THE PECULIAR TUTORS

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18. Simplify: $2\frac{1}{3} + \frac{1}{6} + 1\frac{1}{4}$ (a) $3\frac{3}{4}$ (b) $3\frac{1}{3}$ (c) $2\frac{3}{4}$ (d) $2\frac{1}{3}$ (e) $1\frac{1}{4}$
19. Divide 38.5 by 0.5. (a) 78 (b) 77 (c) 50 (d) 39 (e) 38
20. Calculate the HCF of 24 and 30. (a) 120 (b) 60 (c) 30 (d) 24 (e) 6
21. Change 0.48 to percentage. (a) 480% (b) 48% (c) 0.48% (d) 4.8% (e) 0.048%
22. Express 270 as a product of its prime factors. (a) $2 \times 3 \times 3 \times 3 \times 5$ (b) $2 \times 3 \times 5 \times 9$ (c) $2 \times 3 \times 5 \times 5 \times 9$ (d) $2 \times 3 \times 3 \times 15$ (e) $3 \times 3 \times 5 \times 6$
23. Which of the numbers 2, 5, 7, 13, 27 is not a prime number (a) 2 (b) 5 (c) 7 (d) 13 (e) 27
24. Find the HCF of 12, 18, 36 (a) 3 (b) 6 (c) 9 (d) 12 (e) 36
25. Simplify: $(5\frac{3}{8} - 3\frac{1}{2}) \div 1\frac{1}{2}$ (a) $2\frac{13}{16}$ (b) $2\frac{1}{8}$ (c) $1\frac{7}{8}$ (d) $1\frac{1}{4}$ (e) $\frac{3}{4}$
26. What number multiplied by 3 is equal to 138? (a) 46 (b) 43 (c) 141 (d) 64 (e) 18
27. Express $\frac{2}{1000}$ as decimal. (a) 0.002 (b) 0.02 (c) 0.0002 (d) 0.00002 (e) 2.000
28. Express 520, 084 in words. (a) fifty two thousand and eighty four (b) five hundred and twenty thousand and eighty four (c) five hundred and eighty four thousand (d) five million, two hundred and eighty four (e) five twenty thousand eighty four
29. Find the value of x in the following equivalent fractions. $\frac{21}{24} = \frac{7}{8} = \frac{49}{x}$ (a) 56 (b) 64 (c) 72 (d) 80 (e) 81
30. Write $\frac{7}{20}$ as a percentage (a) 35% (b) 45% (c) 50% (d) 20% (e) 32%