



# SCHOOL BASED ASSESSMENT TEST

STD. 5 – 007

## MATHEMATICS

Time: 2 Hours

1. Which one of the following numbers is three hundred and seventy two thousand and six?

- A. 372006                      B. 307206  
C. 300726                      D. 370206

2. What is 5296 rounded off to the nearest ten?

- A. 5290                        B. 5300  
C. 52900                      D. 5200

3. Work out:  $392 \times 23$

- A. 12544                      B. 7800  
C. 6739                        D. 9016

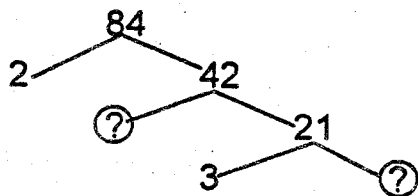
4. Which of the following is an odd number?

- A. 10100                      B. 12012  
C. 3336                        D. 1783

5. What is the total value of digit 9 in the number 86972?

- A. 90000                      B. 9000  
C. 900                         D. 90

6. Which of the following pairs will complete the factor tree below?



- A. 3, 7                         B. 2, 7  
C. 4, 6                        D. 5, 2

7. What is the LCM of 6, 8 and 12?

- A. 48                          B. 24  
C. 12                         D. 2

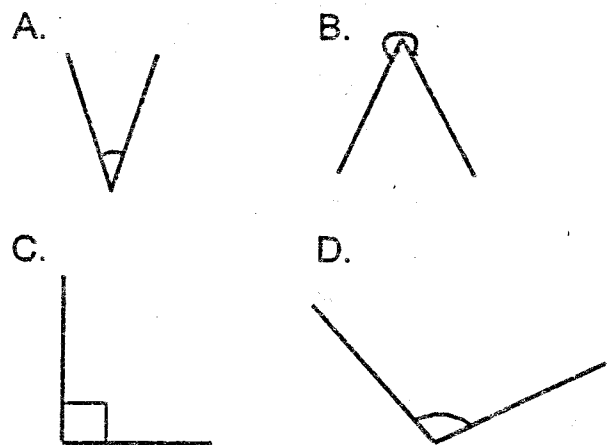
8. Write 36 in Roman numbers

- A. XXXVI                    B. XXXIV  
C. VIXL                      D. VIXL

9. Work out:  $\frac{3}{8} - \frac{1}{3}$

- A.  $\frac{2}{5}$                          B.  $\frac{2}{11}$   
C.  $\frac{4}{11}$                       D.  $\frac{1}{24}$

10. Which of the following is a reflex angle?

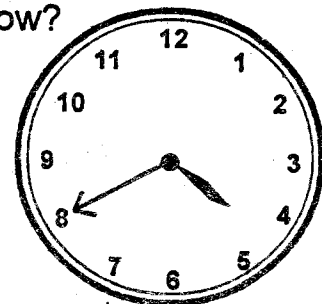


11. What is the value of k in

$$6k + 4 - 3k = 10?$$

- A. 13                         B. 5  
C. 3                         D. 2

12. What is the time shown on the clock face below?

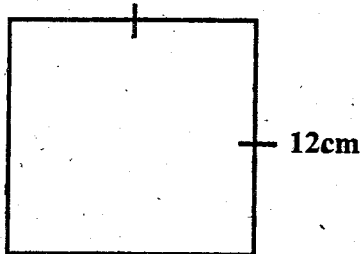


- A. Twenty minutes past four  
B. Twenty minutes past eight  
C. Twenty minutes to four  
D. Twenty minutes to five

13. Arrange the following fractions from the smallest to the largest

- $\frac{2}{5}, \frac{3}{4}, \frac{1}{6}, \frac{2}{3}$   
 A.  $\frac{3}{4}, \frac{2}{3}, \frac{2}{5}, \frac{1}{6}$     B.  $\frac{2}{3}, \frac{3}{4}, \frac{2}{5}, \frac{1}{6}$   
 C.  $\frac{1}{6}, \frac{2}{5}, \frac{2}{3}, \frac{3}{4}$     D.  $\frac{2}{5}, \frac{1}{6}, \frac{3}{4}, \frac{2}{3}$

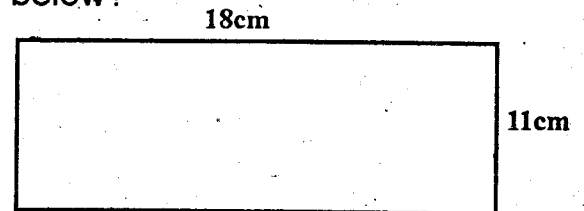
14. What is the perimeter of the square drawn below?



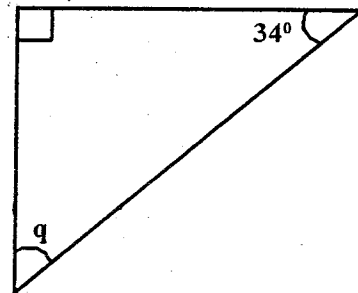
- A. 144cm    B. 48cm  
 C. 96cm    D. 120cm
15. Work out:  
 $0.23 + 3.112 + 43 - 4.12?$   
 A. 46.342    B. 42.222  
 C. 45.754    D. 50.467
16. Which of the following shows the time four hours before 8.00 p.m?  
 A. 4.00 a.m    B. 12.00 noon  
 C. 4.00 p.m    D. 1.00 p.m
17. Work out:  $6\frac{1}{2} + 1\frac{3}{6}$   
 A.  $7\frac{2}{9}$     B.  $7\frac{11}{16}$   
 C. 8    D.  $7\frac{4}{18}$
18. Convert  $\frac{5}{8}$  to a decimal  
 A. 6.25    B. 8.5  
 C. 0.625    D. 5.8
19. Work out:  $9 \overline{) 19 \text{ hours } 48 \text{ minutes}}$   
 A. 1 hr 22 min    B. 2 hrs 05 min  
 C. 2 hrs 12 min    D. 3 hrs 32 min
20. The distance between Paul's home and the river is 3855 metres. Paul went to fetch water once and returned home. How many kilometres did he cover?  
 A. 3 km 855m    B. 7 km 710m  
 C. 7 km 71m    D. 771 km

21. What is the place value of digit 6 in the number 3.1168?  
 A. Hundredths    B. Tenth  
 C. Tens    D. Thousandths

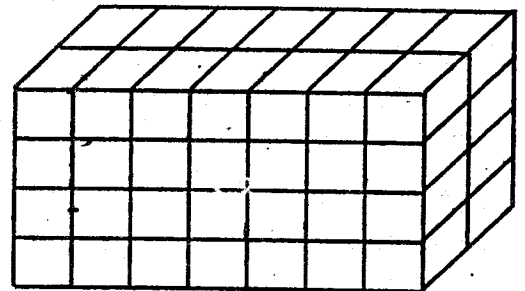
22. What is the perimeter of the figure below?



- A. 58cm    B. 29cm  
 C. 40cm    D. 47cm
23. What is the value of the angle marked  $q$  in the figure below?



- A.  $56^\circ$     B.  $90^\circ$   
 C.  $126^\circ$     D.  $146^\circ$
24. Kerubo was given Sh. 3600 by her father. She bought a jacket for Sh. 1850. How much money was she left with?  
 A. Sh. 750    B. Sh. 2250  
 C. Sh. 1250    D. Sh. 1750
25. How many cubes are there in the stack below?

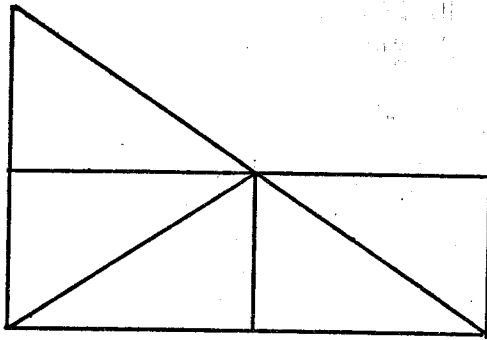


- A. 28    B. 56  
 C. 12    D. 54

26. What is the area of a square whose side is 21cm?

- A.  $42\text{cm}^2$                       B.  $400\text{cm}^2$   
 C.  $441\text{cm}^2$                       D.  $84\text{cm}^2$

27. How many triangles have been used to construct the figure below?



- A. 8                                      B. 7  
 C. 6                                      D. 5

28. Which one of the following fractions is equivalent to  $\frac{2}{5}$ ?

- A.  $\frac{6}{9}$                                       B.  $\frac{12}{21}$   
 C.  $\frac{8}{20}$                                       D.  $\frac{3}{2}$

29. Express  $2\frac{3}{11}$  as an improper fraction

- A.  $\frac{25}{11}$                                       B.  $\frac{25}{11}$   
 C.  $\frac{11}{25}$                                       D.  $\frac{6}{11}$

30. I am a number. If you multiply me by eight, the answer is 72. Which number am I?

- A. 6    B. 7  
 C. 8    D. 9

31. There are 8 rows of coffee trees in a farm. Each row has 25 coffee trees. How many coffee trees are there altogether?

- A. 200                                      B. 102  
 C. 33    D. 125

32. Simplify:

$$13x + 2x - 16x - 5x + 11x + 5x$$

- A.  $20x$                                       B.  $22x$   
 C.  $2x$     D.  $10x$

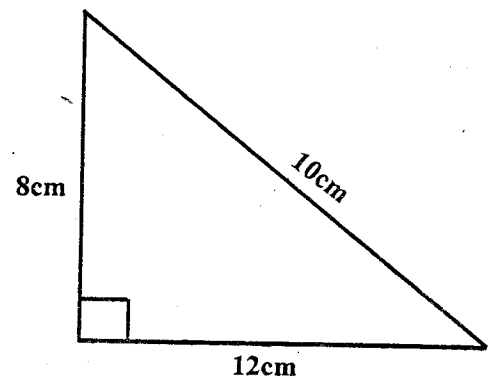
33. Hesbon takes  $1\frac{3}{4}$  litres of milk daily. How many litres does he take in 6 days?

- A.  $6\frac{2}{4}$  litres                      B.  $6\frac{9}{10}$  litres  
 C.  $10\frac{1}{2}$  litres                      D.  $10\frac{1}{4}$  litres

34. What is the Highest Common Factor (HCF) of 12, 16 and 24?

- A. 2    B. 3  
 C. 4    D. 6

35. What is the area of the figure drawn below?



- A.  $48\text{cm}^2$                       B.  $96\text{cm}^2$   
 C.  $24\text{cm}^2$                       D.  $64\text{cm}^2$

36. Work out:

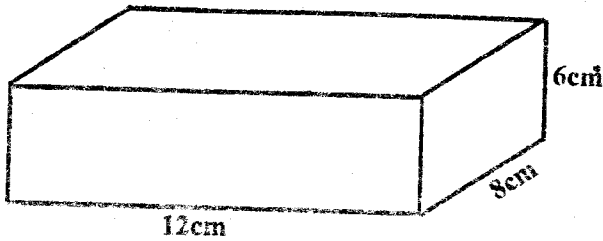
Hours	Minutes	Seconds
6	34	50
+ 3	34	20

- A. 11 hrs 68 min 70 sec  
 B. 9 hrs 04 min 10 sec  
 C. 10 hrs 9 min 10 sec  
 D. 10 hrs 900 min 70 sec

37. How many days are there in the months of January, May and July?

- A. 66    B. 92  
 C. 90    D. 93

38. What is the volume of the box drawn below?



- A.  $96\text{cm}^3$                       B.  $60\text{cm}^3$   
 C.  $40\text{cm}^3$                       D.  $576\text{cm}^3$
39. In an exam, Lydia got 473 marks out of 500. How many marks did she lose?  
 A. 500                              B. 473  
 C. 973                              D. 27
40. Write 0.72 as a fraction in its simplest form  
 A.  $\frac{72}{100}$                               B.  $\frac{36}{50}$   
 C.  $\frac{18}{25}$                                 D.  $\frac{16}{25}$
41. A balance has 5 kg mass on one side and 2 kg mass on the other side. How much will I put on the lighter side so that the two sides balance?  
 A. 7 kg                              B. 10 kg  
 C. 25 kg                             D. 3 kg
42. Work out:  $990 \div 50$   
 A. 90                                B. 9 rem 40  
 C. 19 rem 40                      D. 18 rem 40
43. What is the next number in the pattern below? 7, 10, 13, 16, \_\_\_\_\_  
 A. 18                                B. 19  
 C. 20                                D. 21
44. Which one of the following shows the correct prime factorization of 75?  
 A.  $3 \times 3 \times 5 \times 5$   
 B.  $3 \times 5 \times 5$   
 C.  $2 \times 2 \times 19$   
 D.  $2 \times 3 \times 5 \times 5$
45. Work out  $2\frac{1}{4} \times 8 =$   
 A.  $7\frac{2}{4}$                               B. 18  
 C. 9                                 D.  $\frac{9}{4}$
46. Work out:  $0.12 \times 7$   
 A. 84.00                            B. 0.84  
 C. 8.4                                D. 0.084
47. Change 27000m into kilometres  
 A. 270 km  
 B. 2700 km  
 C. 27 km  
 D. 270000 km
48. Work out:  $4\frac{3}{4} - 1\frac{4}{5} =$   
 A.  $2\frac{19}{20}$                               B.  $1\frac{19}{20}$   
 C.  $3\frac{1}{20}$                                 D.  $13\frac{1}{20}$
49. Rose's mother bought  $y$  mangoes,  $x$  bananas and  $m$  oranges. How many fruits did she buy altogether?  
 A.  $y + x - m$   
 B.  $y - x - m$   
 C.  $y + x + m$   
 D.  $y \times x \times m$
50. The graph below shows the number of bananas sold by a farmer in one week.

Days of the week	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Number of bananas	90	45	75	60	120	105	30

- How many bananas did the farmer sell during the first four days?  
 A. 260                                B. 270  
 C. 230                                D. 170