

STANDARD FIVE EVALUATION TEST MATHEMATICS

2012

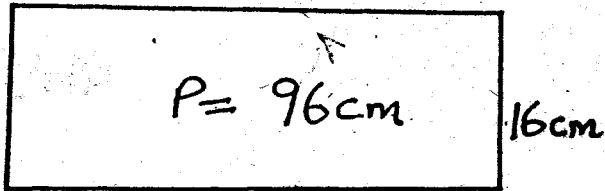
HOW TO USE THE ANSWER SHEET

1. Use only an ordinary pencil
2. Make sure that you have written on the Answer Sheet
 - (i) YOUR NAME
 - (ii) NAME OF YOUR SCHOOL

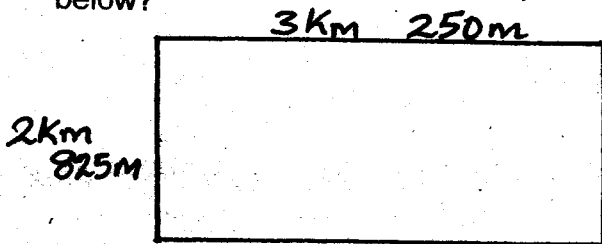
Time:- 2 Hours

- | | |
|---|---|
| <p>1. What is the number 970806 written in words?
 A. Ninety seven thousand eight hundred and six
 B. Nine hundred and seventy thousand and eighty six
 C. Nine hundred and seventy thousand eight hundred and six
 D. Nine hundred and seven thousand eight hundred and six</p> <p>2. What is the place value of digit 2 in the sum of 87256 and 74925?
 A. Hundreds
 B. Tens
 C. Ten thousands
 D. Thousands</p> <p>3. Round off 49807 to the nearest thousand
 A. 49000 B. 50 000
 C. 40 000 D. 49800</p> <p>4. What is the total value of digit 5 in the number 96.215
 A. 0.005 B. 5
 C. Thousand D. 0.05</p> <p>5. Which of the following numbers is divisible by both 6 and 9?
 A. 224 B. 366
 C. 666 D. 1848</p> <p>6. What is the LCM of 12, 15 and 30?
 A. 3 B. 30
 C. 90 D. 60</p> <p>7. In a certain District there are 3745 men, 4876 women and 16728 children. How many more children than adults are there in that district?
 A. 12983 B. 8107
 C. 8621 D. 1848</p> | <p>8. Write $\frac{48}{64}$ as a fraction in its simplest form
 A. $\frac{12}{16}$ B. $\frac{2}{3}$
 C. $\frac{3}{4}$ D. $\frac{6}{8}$</p> <p>9. Add $8\frac{1}{9} + 3\frac{2}{3}$
 A. $11\frac{10}{9}$ B. $4\frac{7}{9}$
 C. $12\frac{1}{9}$ D. $12\frac{2}{3}$</p> <p>10. What is the next number in the sequence below?
 2, 5, 10, 17, _____
 A. 24
 B. 26
 C. 9
 D. 28</p> <p>11. In class 5, $\frac{3}{5}$ of the pupils are boys. What is this fraction written as a decimal?
 A. 0.3 B. 0.6
 C. 5.3 D. 0.75</p> <p>12. Change $18\frac{1}{4}$ km into metres
 A. 1825
 B. 18.25
 C. 18250
 D. 182500</p> <p>13. What $7\frac{3}{5}$ written as improper fraction?
 A. $\frac{73}{5}$ B. $\frac{35}{5}$
 C. $\frac{38}{5}$ D. $\frac{21}{5}$</p> <p>14. Divide 32128 by 16
 A. 28
 B. 2008
 C. 208
 D. 2080</p> <p>15. What is the G.C.D of 18, 24 and 48?
 A. 6 B. 132
 C. 72 D. 144</p> |
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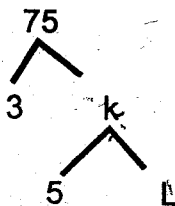
16. The perimeter of a rectangle below is 96cm. If the width is 16cm, what is the length?



- A. 6cm B. 64cm
C. 32cm D. 24cm
17. What is the difference of the prime numbers between 20 and 30?
A. 6 B. 4
C. 52 D. 2
18. What is 64 written in Roman numeral
A. XLIX B. LXIII
C. XLIV D. LXIV
19. What is the perimeter of the rectangle drawn below?



- A. 6km 100m B. 5km 100m
C. 12km 150m D. 11km 200m
20. Complete the factor tree below



- | | | |
|----|----|----|
| | K | L |
| A. | 25 | 3 |
| B. | 15 | 5 |
| C. | 5 | 25 |
| D. | 25 | 5 |
21. Multiply $3\frac{3}{8} \times 4 =$
A. $12\frac{3}{8}$ B. $15\frac{1}{27}$
C. $32\frac{1}{27}$ D. $13\frac{1}{2}$

22. The length of the school compound is drawn to scale 1 cm represents 20m. If the actual length of school compound is 240m, find the drawing length?
A. 24cm B. 4800cm
C. 12cm D. 120cm

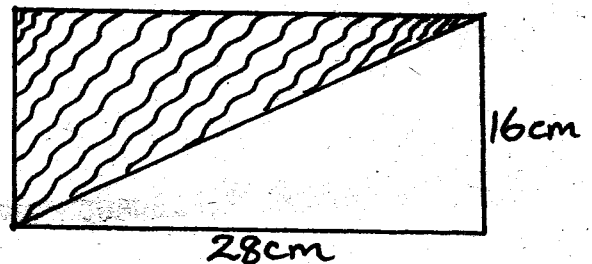
23. How many days are there in the months of February, May and June of a leap year?
A. 89 B. 91
C. 90 D. 88

24. Work out: wks days

$$\begin{array}{r} 8 \quad 4 \\ - 5 \quad 6 \\ \hline \end{array}$$

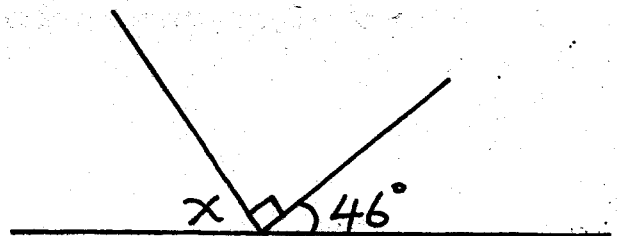
- A. 3wks 8 days B. 2wks 5days
C. 3wks 5 days D. 2wks 8 days

25. What is the area of the shaded region in the figure below?



- A. 204 cm^2 B. 224 cm^2
C. 448 cm^2 D. 88 cm^2

26. What is the value of the angle marked x in the figure below?



- A. 90° B. 134°
C. 54° D. 44°

27. Peter's home to school is 650m. If he goes to school from Monday to Friday, what distance does he cover in a week?
A. 3250m B. 6500m
C. 9100m D. 4550m

28. Arrange the following numbers from the largest to the smallest $0.75, \frac{1}{2}, \frac{5}{8}, 0.8$

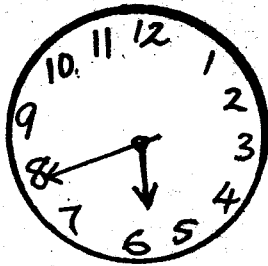
- A. $\frac{1}{2}, \frac{5}{8}, 0.75, 0.8$
- B. $\frac{5}{8}, 0.75, 0.8, \frac{1}{2}$
- C. $0.8, 0.75, \frac{5}{8}, \frac{1}{2}$
- D. $0.75, 0.8, \frac{5}{8}, \frac{1}{2}$

29. Multiply

km	m	cm
18	48	36
x		5

- A. 92km 41m 80cm
- B. 90km 240m 180cm
- C. 90km 241m 80cm
- D. 90km 240 m 80cm

30. Geoginah took her breakfast at the time shown on the clockface below. What was that time in 12 hour clock system?



- A. 5.40 am
- B. 6.40 pm
- C. 6.40 am
- D. 8.30 am

31. Joseph bought the following items from a shop
 $1\frac{1}{2}$ kg of rice @ sh 120
 2 kg of cooking fat at sh 210 per kg
 3 match boxes each at sh 5

How much money did he pay for the items?

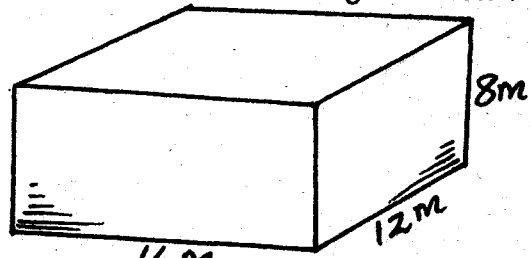
- A. sh 335
- B. sh 615
- C. sh 555
- D. sh 675

32. Work out:

$$3.75 + 122 + 0.96 =$$

- A. 4.832
- B. 125.71
- C. 5.93
- D. 126.71

33. What is the volume of the figure below?



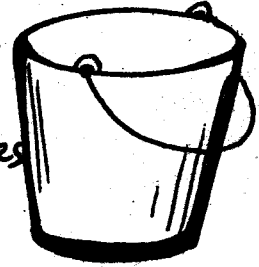
- A. $192m^3$
- B. $36m^3$
- C. $1536m^3$
- D. $1526m^3$

34. How many of 250 ml bottles can fill a buscket of 50 litres?

250 ml



50 litres



- A. 5
- B. 200
- C. 50
- D. 20

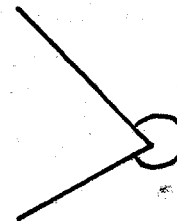
35. Which of the following statements is incorrect about an isosceles triangle?

- A. Each angle is 60°
- B. Two sides are equal
- C. Two angles are equal
- D. Two opposite interior angles equals one exterior angle

36. Mukami left home at 11.00am and arrived at the market at 2.30 pm. How long did she take on her way to the market?

- A. 8h 30mins
- B. 3hr 30 minutes
- C. 3 hr
- D. 4 hr 30 minutes

37. What is the name of the angle drawn below?



- A. Acute angle
- B. Reflex angle
- C. Right angle
- D. Obtuse angle

38. Work out:

Hr	min	sec
18	45	50
-12	50	48

- A. 5h 95mins 2sec
- B. 6h 55mins 2sec
- C. 16 h 16 mins 38sec
- D. 5 h 55mins 2sec

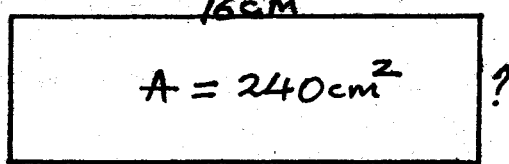
39. Draw a right angled triangle ABC using a protractor and a ruler in which line AB = 8cm, AC = 6cm and angle CAB = 90°. Measure line BC

- A. 5cm
- B. 12cm
- C. 10cm
- D. 7cm

40. Multiply
36.45 by 7

- A. 252.15
- B. 254.31
- C. 255.35
- D. 255.15

41. The area of a rectangle drawn below is 240cm². If length is 16cm, find the width



- A. 88cm
- B. 18cm
- C. 15cm
- D. 16cm

42. What is the total value of digit 7 in the product of 237 and 16

- A. 7
- B. Hundreds
- C. 3792
- D. 700

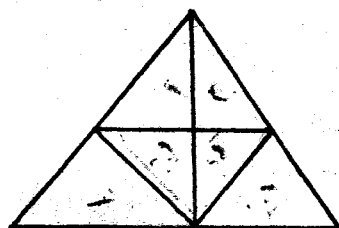
43. Multiply 4892 by 45

- A. 210140
- B. 24460
- C. 220140
- D. 219140

44. Solve for x in the equation below
 $18x + 5 - 10x = 61$

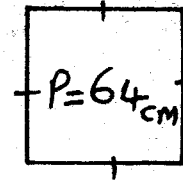
- A. 2
- B. $8\frac{1}{4}$
- C. 7
- D. $25\frac{1}{14}$

45. How many triangles are there in the figure below?



- A. 6
- B. 10
- C. 7
- D. 13

46. The perimeter of a square is 64cm. Find its length



- A. 8cm
- B. 256cm
- C. 16cm
- D. 18cm

47. Work out

420 litres 816 ml ÷ 4

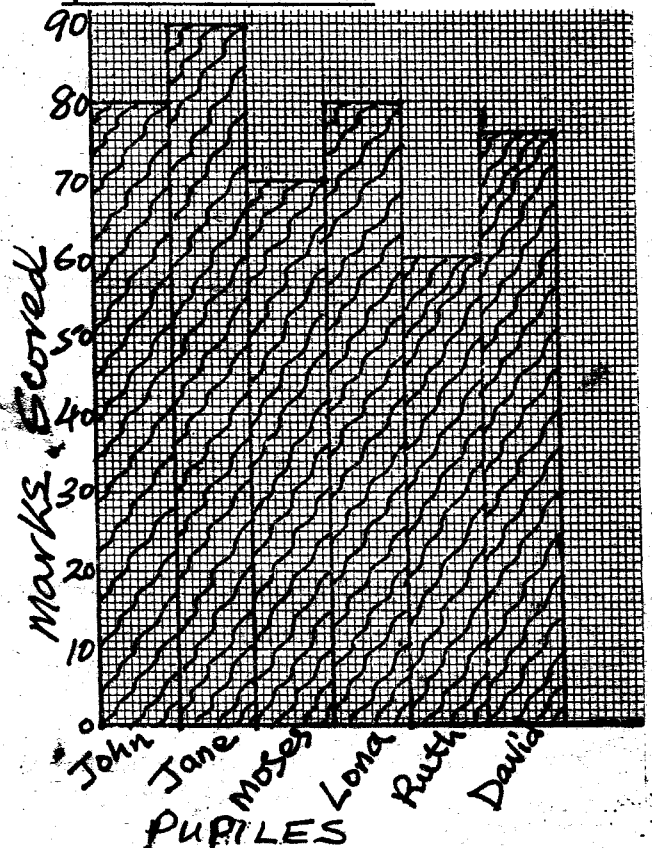
- A. 105L 204 mL
- B. 15L 24mL
- C. 15L 204mL
- D. 105L 24mL

48. Simplify the expression below

$2k + 3t - k - 2t$

- A. k - t
- B. 3k - 4t
- C. k + t
- D. 5k - 3t

The graph below shows the marks scored by pupils in mathematics. Use it to answer questions 49 and 50



49. How many more marks did Jane score in mathematics than Ruth?

- A. 60
- B. 30
- C. 90
- D. 150

50. How many marks did David score in Mathematics?

- A. 75
- B. 80
- C. 78
- D. 76