1. Write **9020406** in words.
   A. Ninety million twenty thousand four hundred and six.
   B. Nine million two thousand four hundred and six.
   C. Nine million twenty thousand four hundred and six.
   D. Nine million two hundred thousand four hundred and six.

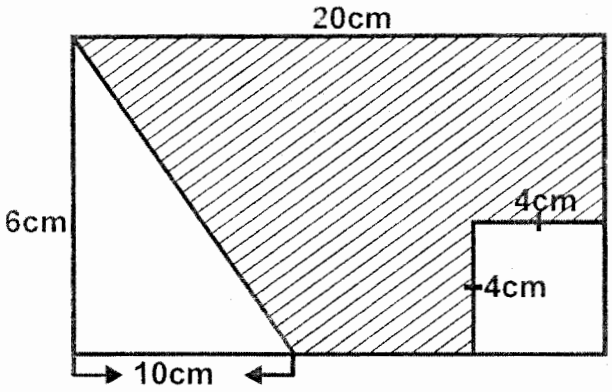
2. Round off **6078563** to the nearest ten thousand.
   A. 6000000
   B. 6080000
   C. 6070000
   D. 6079000

3. What is the place value of digit **5** after working out **7 ÷ 8**?
   A. Ones
   B. Tenths
   C. Hundredths
   D. Thousandths

4. Which one of the following numbers is divisible by **11**?
   A. 924711
   B. 527620
   C. 320793
   D. 435854

5. Work out **half** the value of : $7^2 - \sqrt{625}$
   A. 14
   B. 24
   C. 37
   D. 12

6. Calculate the area of the shaded part in the figure below.




   A. 74cm²
   B. 120cm²
   C. 90cm²
   D. 86cm²

7. What is the next number in the pattern?
   **10, 12, 15, 20, 27, _____**
   A. 36
   B. 32
   C. 38
   D. 35

8. Nine schools received **34083** computer tablets. They shared them equally among themselves. How many tablets did each school receive?
   A. 3780
   B. 3787
   C. 3687
   D. 3784

9. **60** litres of milk was packed into $1\frac{1}{4}$L containers. How many containers were obtained?

A. 75

B. 72

C. 48

D. 90

10. **30%** of the number of people in a church were children. The rest were adults. There were **72** women in the church. If there were **150** people altogether, how many men were there in the church?

A. 33 B. 102

C. 30 D. 58

11. What is the sum of the GCD and the LCM of **28, 35** and **42**?

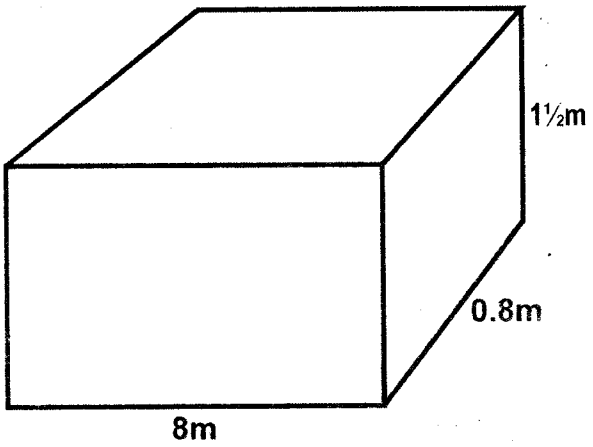
A. 420

B. 427

C. 414

D. 441

12. Calculate the volume of the cuboid below in **cubic centimetres**.




A. 96000cm³ B. 960000cm³

C. 9600000cm³ D. 96000000cm³

13. Simplify the following algebraic expressions:

$7\frac{1}{2}x + 2y + 5 - 3 + y - 1\frac{1}{2}x$

A. 6x + y + 8

B. 6x + 3y + 2

C. 6x + 3y - 8

D. 6x + 3y - 2

14. Round off **5.36957** to the nearest **hundredths**.

A. 5.37 B. 5.37000

C. 5.360 D. 5.370

15. Which one of the following fractions will form a recurring decimal?

A. $\frac{3}{8}$

B. $\frac{1}{4}$

C. $\frac{1}{8}$

D. $\frac{4}{9}$

16. A family uses a **700ml** packets of milk everyday. How many litres did they consume in a month of February in a leap year?

A. 20300L

B. 19600L

C. 20.3L

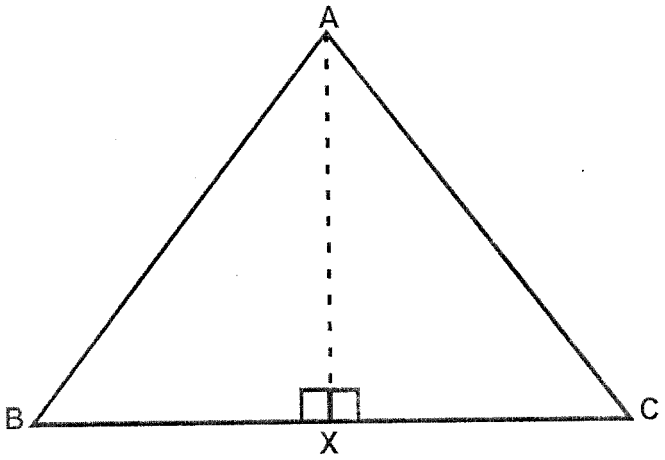
D. 19.6L

17. Work out: $3\frac{3}{4} \div 1\frac{1}{8}$

A. $3\frac{1}{2}$ B. $3\frac{1}{3}$

C. $1\frac{2}{3}$ D. $2\frac{1}{3}$

18. The area of the triangle **ABC** below is **54cm². BC=12cm**?




What is the length of line **AX**?

A. 9cm

B. 18cm

C. 4.5cm

D. 8cm

19. Janet sold a pair of shoes for **Shs. 720** making a loss of **Shs. 180**. What was the percentage loss?

A. 25%

B. $12\frac{1}{2}\%$

C. 30%

D. 20%

20. Matembo's piece of land is in form of a square. The length of each side is **250m**. Calculate the area of the land in hectares.

A. 25ha

B. 6.25ha

C. 62.5ha

D. 62500ha

21. Jomar arrived at Mombasa at **6.35p.m**. He had started his journey from Nairobi at **10.50a.m**. How long did the journey take?

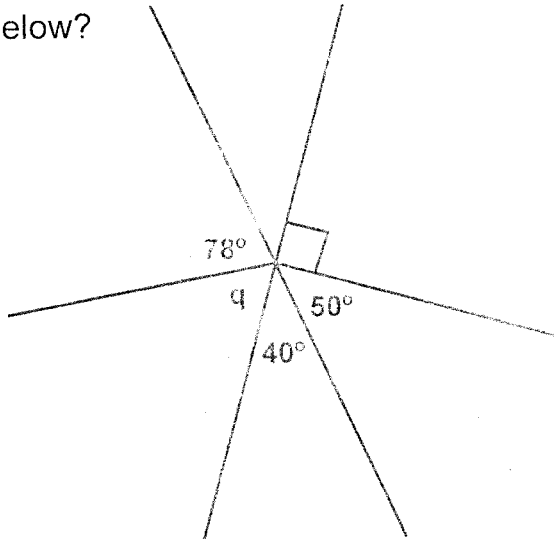
A. 4 hrs 15 mins

B. 17 hrs 25 mins

C. 5 hrs 25 mins

D. 7 hrs 45 mins

22. What is the size of angle **q** in the figure below?




A. 62°

B. 40°

C. 50°

D. 102°

23. An athlete completed a **720m** race in one minute. What was his speed in **m/s**?

A. 15m/s

B. 12m/s

C. 10m/s

D. 9m/s

24. Solve the value **k** in the equation:

$\frac{3}{5}k - 5 = 10$

A. 25 B. 9

C. 3 D. 15

25. On a map, **1cm** represents **400m**. How many kilometres will be represented by **10cm** on the map?

A. 40km

B. 4000km

C. 4km

D. 400km

26. In six days of a certain week, a farmer delivered the following amount of milk to K.C.C; **14L, 18L, 15L, 22L, 10L** and **17L**. What was the average amount of milk delivered by the farmer in **6** days?

A. 15L

B. 14L

C. 17L

D. 16L

27. Kioko bought the following items from a supermarket.

***$1\frac{1}{2}$kg of maize flour @ Shs. 110.***

***3 litres of paraffin for Shs. 180.***

***2 bars of soap each Shs. 140.***

***Half litre packet of milk at Shs. 80 per litre.***

How much balance did he get from **Shs. 1000** note?

A. Shs. 335

B. Shs. 295

C. shs. 345

D. Shs. 340

28. How many $1\frac{1}{4}$**kg** packets of sugar can be packed from $27\frac{1}{2}$**kg** of sugar?

A. 11 B. 44

C. 22 D. 33

29. A trader bought a **60kg** bag of potatoes for **Shs. 780. 10kg** of them got spoilt. He sold the remaining potatoes at **Shs. 20** each kilogram. How much profit did he make?

A. Shs. 220

B. Shs. 480

C. Shs. 420

D. Shs. 280

30. The table below shows charges for interstate money orders.

| *Value of order in shillings* | *Charges in shillings* |
|---|---|
| *Upto 500* | *50.00* |
| *Over 500 upto 1000* | *75.00* |
| *Over 1000 upto 2500* | *105.00* |
| *Over 2500 upto 5000* | *150.00* |
| *Over 5000 upto 7500* | *210.00* |
| *Over 7500 upto 10000* | *370.00* |
| *Over 10000 upto 20000* | *450.00* |

Chemoi sent two interstate money orders worth **Shs. 8000** each. How much was she charged?

A. Shs. 370 B. Shs. 740

C. Shs. 210 D. Shs. 420

31. **24** pupils were asked to name their favourite colour. Each pupil chose only one colour.

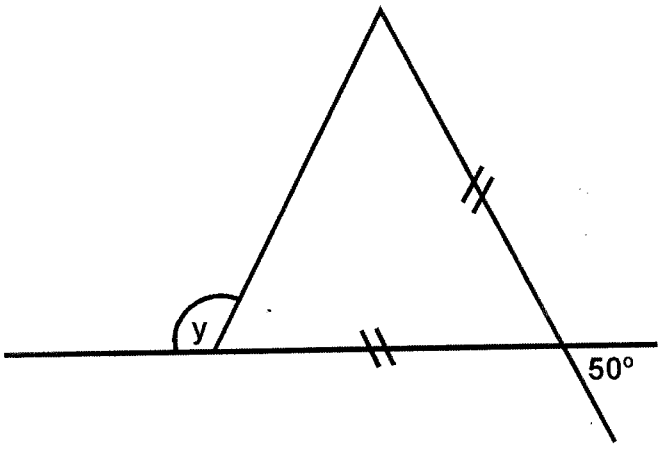
| *Colour* | *Red* | *Blue* | *Green* | *Yellow* |
|---|---|---|---|---|
| *No of pupils* | *6* | ___ | *5* | *4* |

The information was represented on a pie chart. How many degrees represented the number of pupils who chose Blue as their favourite colours?

A. 45° B. 90°

C. 135° D. 80°

32. What is the size of the angle marked y in the figure below.




A. 130°

B. 115°

C. 65

D. 100°

33. Work out: $10\frac{1}{6} + 5\frac{3}{5} + 2\frac{1}{2}$

A. $17\frac{4}{15}$

B. $18\frac{2}{15}$

C. $17\frac{2}{15}$

D. $18\frac{4}{15}$

34. An empty lorry weighs **2750kg.** It was loaded with **30** bags of cement each weighing **50kg** and **200** iron sheets each weighing **10kg**. What is the total mass of the loaded lorry in tonnes?

A. 6.25t

B. 0.625t

C. 62.5t

D. 6259t

35. A safari rally car took $5\frac{1}{4}$ **hrs** to travel from town **X** to **Z.** If it left town **X** at **0840hrs** at what time did it arrive at town **Z**?

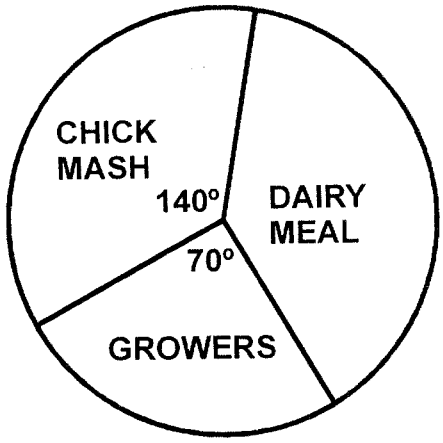
A. 3.55p.m

B. 2.55p.m

C. 10.05a.m

D. 1.55p.m

36. The pie chart below represent the mass of animal feeds sold in a shop in one day. A total of **2400kg** of animal feeds were sold.




How many kilograms of dairy meal were sold?

A. 1000kg

B. 3200kg

C. 800kg

D. 1800kg

37. The length of a rectangle is **250m**. Its width is **50m** shorter than its length. Calculate the perimeter of the rectangle.

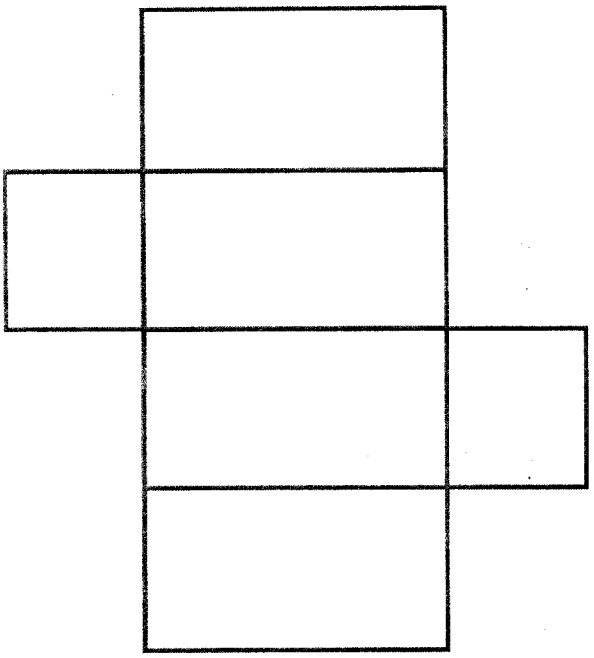
A. 450m

B. 600m

C. 900m

D. 1100m

38. How many faces, vertices and edges are there in the solid formed when the net drawn below is folded?



| | *Faces* | *Vertices* | *Edges* |
|---|---|---|---|
| A. | 5 | 8 | 9 |
| B. | 6 | 8 | 12 |
| C. | 6 | 12 | 8 |
| D. | 5 | 12 | 19 |

39. The radius of a circle is **17.5cm**. Calculate its perimeter. (Use $\pi = \frac{22}{7}$)

A. 55cm

B. 110cm

C. 145cm

D. 90cm

40. Which one of the following numbers is not divisible by **8**?

A. 39768

B. 409784

C. 69399

D. 48384

41. The table below shows the number of people who attended "The Bible Seminar".

| *Days* | *Thur* | *Fri* | *Sat* |
|---|---|---|---|
| *Number of people* | *5410* | ____ | *3140* |

A total of **12800** people attended the seminar in the three days. How many people were there on Friday?

A. 4200

B. 4250

C. 3250

D. 3350

42. A string was to be cut into equal pieces measuring **30cm** and **40cm**. What was the shortest possible length of the string?

A. 12cm B. 24cm

C. 60cm D. 120cm

43. Which one of the following statement is correct?

A. $1.2^2 = 14.4$

B. 1500ML = 15dL

C. 1.5L < 150ML

D. 2.5 x 100 > 25 x 10

44. What is the sum of the numbers represented by letters **K** and **L** in the magic square below?

| | | |
|---|---|---|
| **9** | **K** | **L** |
| **6** | **8** | |
| | | **7** |

A. 16 B. 15

C. 13 D. 17

45. Work out the square root of $10\frac{9}{16}$

A. $3\frac{1}{2}$

B. $2\frac{3}{4}$

C. $3\frac{1}{4}$

D. $2\frac{1}{4}$

46. A man has **40** cows. **16** of them are dairy cattle and the rest are beef cattle. What percentage of the cattle are beef cattle?

A. 40%

B. 24%

C. 16%

D. 60%

47. What is the value of

$$\frac{xy - y}{w} + z^2$$

If $w = 8$, $x = 5$, $y = 6$ and $z = y - 2$

A. 16

B. 19

C. 18

D. 24

48. The base length of a triangle is **18cm**. Its height measures $3\frac{1}{3}$**cm**. Calculate its area.

A. $30cm^2$

B. $60cm^2$

C. $40cm^2$

D. $15cm^2$

49. Makori uses $\frac{1}{4}$ of his farm to grow maize, $\frac{2}{5}$ to grow nappier grass, $\frac{1}{4}$ to grow groundnuts and the rest to grow coffee. What fraction of his farm does he grow coffee?

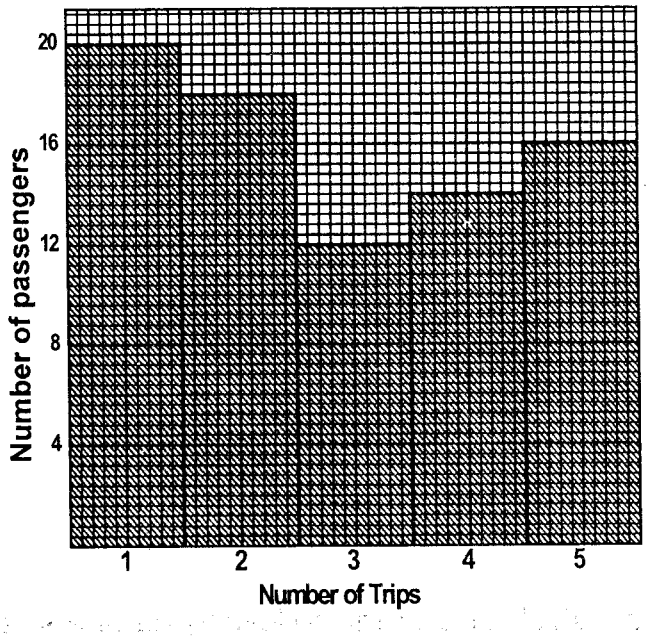
A. $\frac{1}{5}$

B. $\frac{1}{20}$

C. $\frac{2}{5}$

D. $\frac{1}{10}$

50. The bar graph below shows the number of passengers carried by a matatu in **5** trips in one day.




How much money did the conductor collect from the passengers carried by the matatu that day if each passenger paid **Shs. 100**?

A. Shs. 8000

B. Shs. 6400

C. Shs. 4000

D. Shs. 7800