- 1. Which one of the following is 3200104 in words?
  - A. Thirty two thousand one hundred and four.
  - B. Three million two thousand one hundred and
  - C. Three hundred and twenty thousand one hundred and four.
- D. Three million two hundred thousand one hundred and four. と1.月1度線と学さいの間は
- 2. Which one of the following numbers has the smallest value?
  - A. 111010
  - B. 101101
  - C. 110110 million instant and million Tables MAWS
- 3. A rectangular water tank is 6 metres long, 4 metres wide and 3 metres high. How many litres of water does the tank hold when full?

UNSWER SHILL

NUMBER

R SCHOOL

- A. 72 I
- B. 7 200 1
- C. 72 000 l
- D. 72 000 000 l
- 4. What is the number 29 853 when rounded to the nearest thousand?
  - A. 29 000
  - B. 29 850
  - C. 29 900
  - D. 30 000
- 5. What is the place value of digit 5 in the number 1050067?
- Thousands in a chide install and the standards of the same
  - B. Ten thousands
  - C. Fifty thousands
  - D. Hundred thousands
- **6.** What is the value of  $\frac{24(72-69)+6\times4}{2}$ ?
  - 8 A.
  - B. 26
  - C. 30
  - D. 74
- 7. What is the value of  $\frac{8^2(9^2-3^2)}{4^2\times6^2}$ ?
  - A. 4
  - B. 8
  - C. 2
  - D. 2
- 8. What is 23-1408 correct to three decimal places?
  - A. 23-0
  - B. 23·1
  - C. 23-140
  - D. 23-141

9. The marked price of a pair of shoes was sh. 250. During a sale the price was reduced to sh. 200. What was the percentage decrease in price?

v as delle dis

- A. 80%
- B. 50%
- C. 25%
- D. 20%
- 10. What is the L.C.M. of 15, 20 and 30?
  - Art 120 God posterup and rever need 5782 ho?

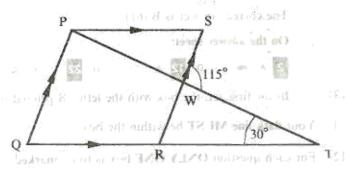
  - Chaires I will be show disched the seed of the seed
  - D. -5 no it and no venu many majority was reversiff.
- 11. The table below shows the maximum and minimum temperatures, in degrees celsius, recorded in different cities on one day. Who house you almo has a J. - I

City	Maximum °C	Minimum °C 22 16	
Dar-es-Salaam	33		
Khartoum	31		
Accra	32 Land	L graw 24, 54	
Entebbe	stalala 30) mini		

In which city was the mean temperature highest that day? A. Dar-es-Salaam.

- B. Khartoum.
- C. Entebbe.
- D. Accra.
- Chn the university deep until setting 12. What is the ratio 3:5 expressed as a decimal?
  - A. 1.6
  - B. 0.625
  - C. 0.6
  - D. 0375
- 13. In the figure below PQRS is a parallelogram. Lines QRT and PWT are straight. Angle QTP = 30° and angle SWT = 115°.

là the Question Rooklets.



What is the size of angle PQR?

- A. 65°
- 85° B.
- 95° C.
- D.mol15eta'l noitess() zisf1

engag Anald I bas engag Frincis 14 lis a

14. In the year 2000, February 19th was a Saturday.  What day was March 6th the same year?  A. Sunday  B. Monday  C. Tuesday  D. Wednesday	21. What had said the value of a said regular equation $\frac{2(x+6)=2}{5}=\frac{2}{3}\gamma^{3/4}  doch Parameter in Need 1 is seen a division of the said of th$
15. What is the value of 0.3 × 0.94 + (0.304 + 0.123 + 0.4)? A. 1.3495 B. 1.7725	bags of green maize each weighing 110-6 Kg. B  What was the total weight, in kilograms 21 aD (:: items transperted?  D. 1:
31. The figure below represents a crass 0.60225 of Circle The design consists of a square of sid \$2000.	22. Fitteer, people working at the same rate would complete some work in 10 days. How many days would 6 people need to complete the same work?
16. Boxes measuring 10 cm by 6 cm by 4 cm were to be packed in a carton measuring 1.5 m by 1 m by 0.4 m. How many boxes were needed to fill the carton?	26. Wangun belaght the following articles from a grow. 32.  C. 25. (66) on 160 cap tag conducting the conducting the cap the c
A. 25 000 B. 2 500 C. 250 D. 25	23. in 1998, Wanja harvested 4 676 bags of maize. This was 168 bags more than those she harvested in 1997. How many bags of maize did she harvest in 1997.
17. A cylinder which is open at one end has a radius of 6.3 cm and a height of 25 cm. What is the surface area of the cylinder in square centimetres?	A 177 "ston 00 ale a 20 a site B 513 C 4 508 C 4 508 D 523 C 4 508 D 5021 C 502 C 50
(Take π = 22/7).  A. 1114-74  B. 1239-48  C. 3118-50  D. 619-74   10 mm m diagnal later and at rank.	24. The figure below seworks a construction of angle and an extension of angle of XYS = 10.00 and exercise left home at 10.00 and exercise to distance of 225 km. He stratelled at an an average speed of 90 lom/h. At what time did he reach the reach the translation of 12.36 h.m.
18. A cuboid measures 6 cm long, 5 cm wide and 4 cm high. What is the total length of the edges in centimetres?  A. 30 B. 60 C. 90 D. 120	28. 12.50 p.m. 2  D. 12.30 p.m. 2  D. 12.30 a.m.  28. Onacha spem 1 of his palary on shock 1 of the temainder of shoot fees and the secure if the salary as at 5400, pow much or grey did he
19. The price of a radio was reduced by sh. 630. This represented a 30% discount. What was the price of the radio after the discount?  A. sh. 441  B. sh. 1470  C. sh. 2100	spend of saute?  4. sh s206  5. st. 1800  C. dt. 1200  D. st. 750  29. Kirwa used a ladder to pkint the top of a w. X H.
D. sh. 2730  20. What is the next number in the sequence 7, 16, 32, 57,? A. 93 B. 89 C. 82 D. 63	Which group of points shows the order of construction?  A. Q. P. T. S. R.  B. Q. P. R. S. T.  C. Q. P. R. S. S.  D. Q. P. T. R. S.

(2 56±m

- 25. Kiprono hired two Mikokoteni to transport items to his kiosk in the market. Each Mkokoteni carried the following items:
  - 1 bag of onions weighing 141.7 kg;
  - 2 bags of fresh peas each weighing 51-3 kg;
  - 3 bags of green maize each weighing 114-6 kg.

What was the total weight, in kilograms, of all the items transported?

- A. 1176-2
- B. 615-2
- C. 3076 we are the grandow signed want to
- Discoplarate of the state of the same wanding would be seen along a black wanding.
- 26. Wangui bought the following articles from a shop:
  - 2 kg cooking fat @ sh. 100;
  - 2 loaves of bread @ sh. 20;
  - 2 kg packet of unga for sh. 55;
  - and 1 kg tea leaves for sh. 100 avand space , swell as the start and a space and save sale as A

What balance did she receive from the shopkeeper if she gave a sh. 500 note?

- A. sh. 395
- B. sh. 100
- C. sh. 225
- D. sh. 105
- 27. A motorist left home at 10.00 a.m. and travelled to Nairobi, a distance of 225 km. He travelled at an average speed of 90 km/h. At what time did he reach Nairobi?
  - A. 12.30 p.m.
  - B. 12.50 p.m.
  - C. 2.30 p.m.
  - D. 12.30 a.m.
- 28. Onacha spent ½ of his salary on food, ¼ of the remainder on school fees and the rest on leisure. If his salary was sh. 5400, how much money did he spend on leisure?
  - A. sh. 4200
  - B. sh. 1800
  - C. sh. 1200
  - D. sh. 750
- 29. Kirwa used a ladder to paint the top of a wall. He placed the bottom of the ladder 4½ metres away from the wall. The ladder touched the wall at a height of 6 metres. What was the length of the ladder?
  - A.  $7\frac{1}{2}$  m
  - B.  $10\frac{1}{2}$  m
  - C. 15 m
  - D. 56 1 m

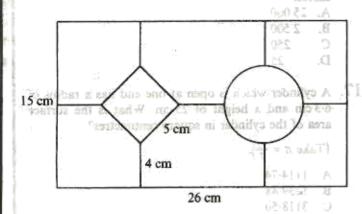
30. The cash price of a bed is sh. 11 700. The hire purchase price is 20% more than the cash price. Mbugua bought a bed on hire purchase terms. He paid a deposit of sh. 2808 and 12 equal monthly instalments. How much was each monthly instalment?

15. What is the value of

A. 13498

0.3 > 0.94 + (0.304 + 0.123 - 0.4)7

- A. sh. 1404
- B. sh. 1170
- C. sh. 936
- D. sh. 546
- 31. The figure below represents a design of a window. The design consists of a square of sides 5 cm, a circle of diameter 7 cm and a rectangular frame measuring 26 cm by 15 cm. The square and the circle are joined to each other and to the frame by lines each 4 cm



What is the total length, in cm, of the metal needed to make the design?

$$\left(\text{Take } \pi = \frac{22}{7}\right)$$
 diamed lates and at tanky figure

- A 4
- B. 82
- C. 124
- D. 152

You show at a radio was reduced by in 630. The good and was the one. the radio after the discount?

- \*\* im.+441 05.41 ide .81
- \$8.2100

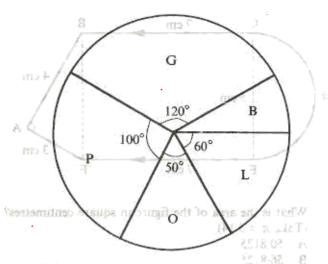
40%

86

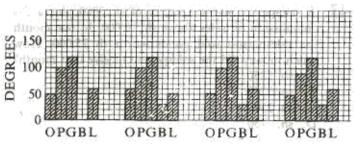
- name A c
- L water to the mast management of the sequence Tiles

8 9 15 0 3

32. A farm produced oranges (O), Pawpaws (P), guavas (G), bananas (B) and lemons (L). The pie-chart below represents quantities of each type of fruit produced in one week. diameter 5.cm.

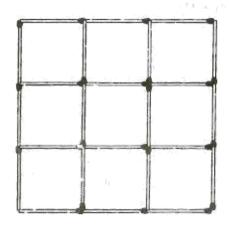


Which one of the bar graphs below represents the information obtained from the pie-chart above?



II + 1 - A. 2 + 1 - 1 Bc) noisean Ca and 11 to D. A. arets sumplified form:

N 17x - 23y + 18 33. A pupil arranged matchsticks to form squares as shown below.



How many squares were formed altogether!

A. 14

B. 13

C. 10

D. 9

34. A plane left Nairobi at 23 50 hr on Monday and took 1 hr 45 minutes to reach Mombasa where it stopped for 50 minutes. It then left Mombasa and took 40 minutes to reach Zanzibar, and 1 has

At what time in a.m./p.m. system did it reach Zanzibar? i banana for th .

A. 2.15 a.m.

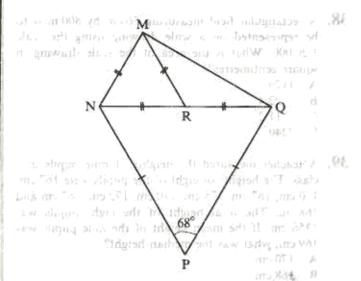
iomaton for st. "

B. 3.05 a.m.

et da jo) agnigo l

C. 2.15 p.m. , there againstra, all any and D. 3.05 p.m.

35. In the figure below, line MN = NR = RM = RQ. NRQ is a straight line and line NP = PQ. Angle  $NPO = 68^{\circ}$ .



m. (6) - 3 What is the size of angle POM? 165 cm

56°

B. 116°

## Mayaka frad concer as follows C. 86°

98° D.

4 nates of still 1000 3 artes 6f a 300

 $\frac{m+r^2}{p+r}$  given m=2p, **36.** What is the value de lo eston P

p = n + 5, n = 3r and r = 5?

The even ston counts and the beginns in a long of the second of the seco

2 }

31

d. 10.250

D. 2

A fundament, meeting for 3000 wabso. Manners and thurn naied she 108/000, Jano you time times as next as Bules Massadu got two-tamba of lake's their within Subulb got half as more a light of Pow much all flabulg receive?

00% St. do. 7

B. ab 28 50t

296 江南 3

DF sh. 14400

37. A fruit vendor spent sh. 160 to buy 28 bananas, 60 tomatoes and 14 oranges. He paid sh. 40 for transport. During the transportation, 9 tomatoes and 1 banana got spoilt. He then sold the remaining fruits as follows: nhama ni sonic (edec 14

anna didi. A

I banana for sh. 3

3 tomatoes for sh. 5

l orange for sh. 6

5 5.05 a.m 

- A. 56½%
- UM =BVU34%KM = MIM and , wolfed are all and off . The

abinACO25%EM anii bine onii trlaisita a si URM

D 20%

38. A rectangular field measuring 560 m by 800 m is to be represented on a scale drawing using the scale 1.20 000. What is the area of the scale drawing in square centimetres?

A 1120

22.4

112 C.

D. 2240

39. A teacher measured the heights of nine pupils in a class The heights of eight of the pupils were 167 cm, 170 cm, 167 cm, 175 cm, 170 cm, 172 cm, 167 cm and 168 cm. The total height of the eight pupils was 1356 cm. If the mean height of the nine pupils was 169 cm, what was the median height?

Wass is the aige of angle POMS

A. 56°

148

A. 170 cm

B. 168 cm

C. 167 cm

D. 165 cm

40. Muyaka had money as follows:

4 notes of sh. 1000

3 notes of sh. 500

16 notes of sh. 200

as, where is the same of sh. 100 les same is 2p,

9 notes of sh. 50

grafige Standarder und er 200 She changed all the money into five-shilling coins. How many five-shilling coins did she get?

A. 51 250

B. 10 250

C. 2 050

D. . 370

41. A fundraising meeting for Jako, Kabula, Masindu and Buko raised sh. 108 000. Jako got three times as much as Buko. Masindu got two-thirds of Jako's share while Kabula got half as much as Jako. How much did Kabula receive?

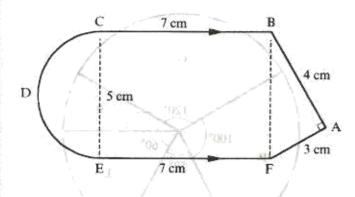
A. sh. 43 200

B. sh. 28 800

C. sh. 21 600

D. sh. 14 400

42. In the figure below, angle BAF is a right angle, Line CB is parallel to EF and CB = EF = 7 cm. Line BA = 4 cm and AF = 3 cm. EDC is a semi-circle of diameter 5 cm. produced in one wood



What is the area of the figure in square centimetres? (Take  $\pi = 3.14$ )

A. 50-8125

B. 56-8125

C. 60-6250 oled infrare raid and to the traidW

De 80-2500 mig adt med banisido en banvant

43. A salesperson earns a salary of sh. 2000 plus a 5% commission on sales above sh. 10 000. In one month the salesperson sold goods worth sh. 25 000. How much money did the salesperson receive that month?

A. sh. 3250

B. sh. 2750

C. sh. 2500

D. sh. 750

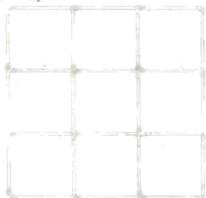
**44.** What is the expression 7(x + 4y + 2) + 5(2x - y + 3)in its simplified form?

A. 17x + 23y + 29

Brup3x +3y + 29 Catalanat Bayants liquid A .E.C.

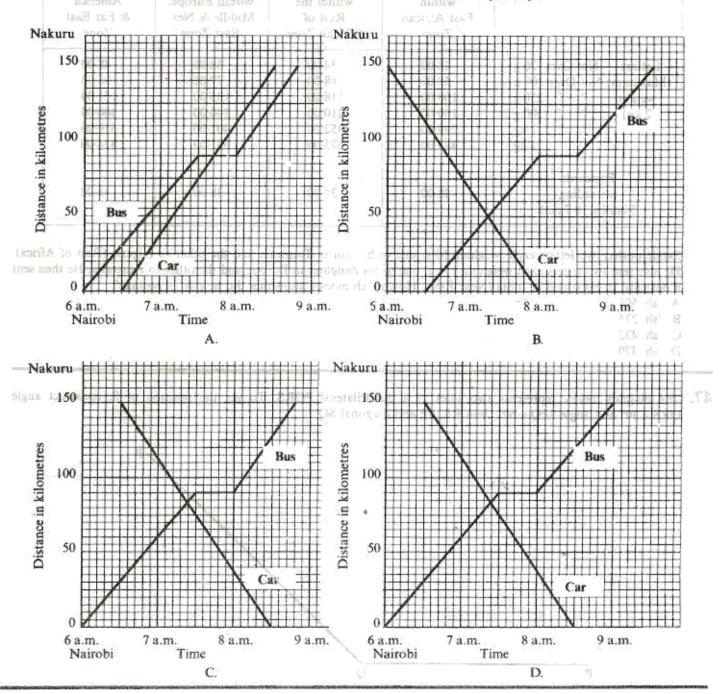
C. 17x + 3y + 5

D. 9x + 27y + 17



rflow many squares were correct ampeaner

45. A bus left Nairobi for Nakuru, a distance of 150 km, at 6 a.m. After travelling for 1½ hours at an average speed of 60 km/h it got a puncture. It took 30 minutes to change the wheel. The bus then travelled at an average speed of 75 km/h for the rest of the journey. On the same day a car left Nakuru for Nairobi at 6.30 a.m. and took 2 hours to reach Nairobi. Which one of the graphs below represents the bus and the car journeys?



What is the length of line SQ?

C 5 0

F-7 - 8

(-1)]

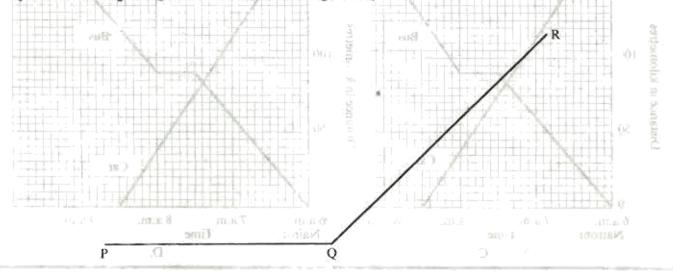
D. 1270

## 

rets at 6.30 a.m. and took. 2 he	Countries within East African Zone	Countries within the Rest of African Zone	Countries within Europe, Middle & Near East Zone	Australia, America & Far East Zone
Letters Not Over 20 g	28-00	34.00	38.00	48-00
(Maximum Not Over 100 g	58-00	68-00	77-00	98.00
weight " " 250 g	100-00	118-00	135-00	171-00
2 kg) " " 500 g	180-00	210-00	240-00	306-00
" " 1 kg	299.00	352.00	401 00	510-00
" " 2 kg	488-00	573-00	651:00	824-00
Postcards				
(exceeding	28.00	34-00	38-00	48.00

Sande posted two letters each weighing 50 g, one to his son in Tanzania and the other to Nigeria (Rest of Africa). He also sent two letters each weighing 150 g, one to his daughter in Europe and the other to Australia. He then sent a postcard to his friend in India (Near East). How much money altogether did he pay as postage?

- A. sh. 508
- B. sh. 275
- C. sh. 432
- D. sh. 470
- 47. The diagram below represents two sides of a quadrilateral PQRS. To get the position of S, construct angle QRS = 30° and angle SPQ = 60°. Join RS, SP and diagonal SQ.



What is the length of line SQ?

- A. 3-5
- B. 5-3
- C. 10-2
- D. 12-9

## 48. Odour invested a certain amount of money in a business that paid simple interest at the rate of 15% per annum. At the end of nine months he withdrew sh. 1125 which was the interest the money had earned. How much money had he invested?

A. sh. 100

B. sh. 5625

C. sh. 7500 D. sh. 10 000

TIGHS CARRENTLLY

49. In a cupboard there are pencils, rulers and books. The number of pencils is 15 more than that of rulers. The number of books is three times that of rulers. If the number of pencils is p, which one of the expressions below represents the total number of items in the cupboard?

A. 5p – 60

B. 3p - 27

C. 5p + 60

D. 5p – 30

READ THISF PERTIN

MATHE

i. You save been given that question nooklet and it server

Do any neposary much work in this booklet

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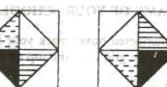
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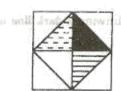
By drawing 5 deek fine enside the a malather of the continued from

Which one of the following shapes below should be drawn in the blank box to continue the pattern above?

For each of the ottenions at the form amounts are given. The conversance lettered A. B. L. D. In each cite only ONE DAMES HELD STREET OF COURSE PROPERTY AND ASSESSED ASSESSED.

which the letter you











The the answer sheet the arrive a name of the

> Example in the Oversion

14. F. print of singar megased from the 40 types 36 per kig. Whish at the production that the print of singar megased from the 40 types.

adbi-.41

2034

The sometr answer is 4 (22)

On the answer shret:



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Your dark line MUST to value use "L ...

For each question ONLY OWE . Fig. in business in each set of four burns.

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