READ THESE INSTRUCTIONS CAREFULLY.
1. You have been given this question paper and a separate answer sheet. The question paper contains 50 questions.
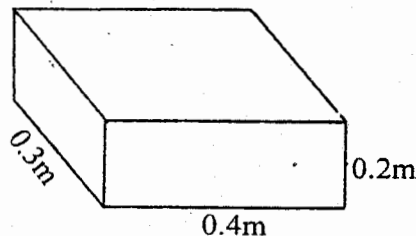2. Make sure that you have written on the answer sheet.
   (i) Your name   (ii) Name of your school

1. Write in words 31485379
   A. Three fourteen million eight hundred and fifty three thousand and seventy nine
   B. Three hundred fourteen million eight five thousand three hundred and seventy nine
   C. Three hundred and one million four hundred and eighty five thousand three hundred and seventy nine
   D. Thirty one million four hundred and eighty five thousand three hundred and seventy nine.

2. What is the place value of digit 5 in the number 6598612?
   A. Hundred thousands
   B. Hundred thousandths
   C. Hundreds
   D. Thousands

3. Round off 178.904 to the nearest whole number.
   A. 178   B. 170
   C. 179   D. 200

4. Calculate the following
   $16 \div \frac{4}{5} =$
   A. 80   B. 20
   C. $\frac{4}{5}$ D. $12\frac{4}{5}$

5. Work out the answer to
   $2643 + 42896 =$
   A. 45029   B. 45039
   C. 45 539   D. 45529

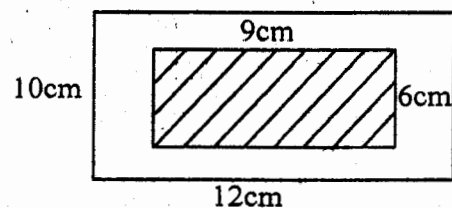6. What is the square root of $\sqrt{81}$?
   A. 9   B. 3
   C. 6561   D. 81

7. Divide 555555 by 11
   A. 5505   B. 5055
   C. 50505   D. 555

8. Remove the brackets and simplify
   $3(8y + 4) - 2(3y - 1)$
   A. 18y - 14   B. 30y - 14
   C. 18y + 10   D. 18y + 14

9. Maureen can read a book in 100 minutes. How many hours and minutes can she read the same book?
   A. 2 hours 40 minutes
   B. 1 hour 40 minutes
   C. 4 hours 20 minutes
   D. 10 hours 40 minutes

10. What is the volume of the figure below
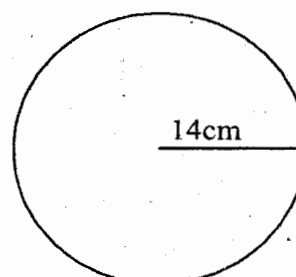

   A. 2000cm³   B. 24000cm³
   C. 2400cm³   D. 24m³

11. Kimondo's shamba is a square in shape. One side measures $2\frac{1}{4}$ metres. What is its perimeter?
    A. $4\frac{1}{8}$m   B. $20\frac{1}{4}$m
    C. $4\frac{1}{2}$m   D. 9m

12. Which is the next number in the series
    2, 3, 5, 11, 13_____ _
    A. 15   B. 19
    C. 17   D. 21

13. What is the sum of the prime numbers
    between 15 and 30?
    A. 88   B. 109
    C. 113   D. 115

14. Solve the equation:
    $\frac{1}{3}q + 4 = 7$
    A. 3   B. 9
    C. 21   D. 1

15. What is the sum of the faces, vertices and
    edges of a closed cuboid?
    A. 16   B. 20
    C. 24   D. 26

16. Ondieki's stride is $\frac{4}{5}$ of a metre. How many
    strides will he have to make to cover 80m
    A. 500   B. 100
    C. 125   D. 80

17. A length of 80m was represented by a line
    of 5cm in a map. What length would
    represent a river of 120m?
    A. 15cm   B. 8cm
    C. 7.5cm   D. 10cm

18. John bought an item for sh 800 and later
    sold it for sh 1000, what percentage profit
    did he make?
    A. 20%   B. 15%
    C. 25%   D. 30%

19. Convert 800cm³ into litres
    A. 0.8L   B. 8L
    C. 80000L   D. 800 000L

20. David went to sleep at 2.30p.m. If he woke
    up at 8.10 p.m. How long was he asleep
    A. 6 horus 40minutes
    B. 6 hours 20 minutes
    C. 10 hours 40 minutes
    D. 5 hours 40 minutes

21. The area of a rectangle is 4248m². Its width
    is 24m what distance does Mwai cover if he
    walks round it once?
    A. 402m   B. 1062m
    C. 201m   D. 177m

22. What is the value of:
    (0.48 x 0.305) ÷ 0.006
    A. 2.4   B. 244
    C. 2440   D. 24.4

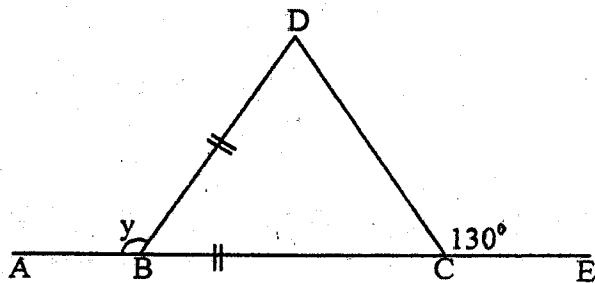23. Find the area of the unshaded part in the
    figure below

    A. 90cm²   B. 66cm²
    C. 36cm²   D. 120cm²

24. Work out
    1 + 2 + 3 + 4 (1 + 2 + 3 + 4)
    A. 25   B. 20
    C. 46   D. 100

25. A dog chasing a rabbit ran at a speed of
    18km/h. It took 20 minutes to catch the
    rabbit. How far did the dog run
    A. 90m   B. 54m
    C. 360m   D. 6km

26. What is the smallest number which must be
    added to 462350 to make it divisible by 11?
    A. 6   B. 8
    C. 9   D. 2

27. Find the circumference of the circle below
    take pie to be $\frac{22}{7}$
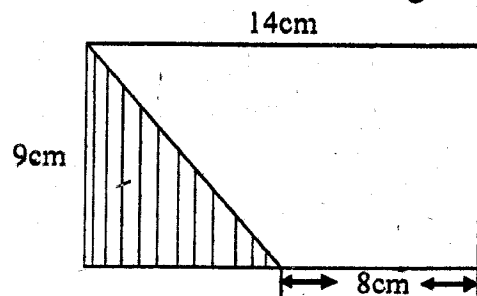

    A. 44cm
    B. 88cm
    C. 616cm
    D. 308cm

2

28. Express 75 % as a fraction

A. $^3/_4$ B. $^7/_{100}$

C. $^5/_{20}$ D. $^{13}/_{20}$

29. Three buses leave a station after 20 minutes, 30 minutes and 40 minutes respectively. After how long will they be seen leaving together?

A. 1 hour   B. 10 hours

C. 2 hours   D. 120 hours

30. What is the supplement of 65

A. 125   B. 115

C. 25   D. 35

31. Mwalimu dug $^1/_4$ of his shamba on monday $^2/_5$ on Tuesday and the rest on wednesday. What fraction of the shamba did he dig on wednesday?

A. $^{11}/_{15}$ B. $^{13}/_{20}$

C. $^7/_{20}$ D. $^3/_5$

32. Find the value of angle y

A. 100   B. 160

C. 130   D. 50

33. What is $(1^1/_9)^2$

A. $1^{19}/_{81}$ B. $^{100}/_{81}$

C. $^2/_{18}$ D. $1^2/_{81}$

34. Omwenga posted items weighing 4kg. How many items did he post if each item weighed $^1/_8$kg

A. $4^1/_8$ B. $^1/_{32}$

C. $^1/_2$ D. 32

35. Mwangi bought the following items from a supermarket

4kg of beans @ sh 80

3kg of meat for sh 1140

$^1/_2$kg of onions @ sh 80 per kilogram

He paid for the items with sh 2000 notes. How much balance did he get?

A. Sh 1500   B. Sh 600

C. Sh 500   D. Sh 1300

36. The area of a triangle is 72cm². If the base of the triangle is 9cm. What is the height of the triangle?

A. 33cm   B. 16cm

C. 8cm   D. 324cm

37. A family uses 12 litres of a milk per week. How many decilitres of milk does it use in 4 weeks?

A. 48dl   B. 16dl

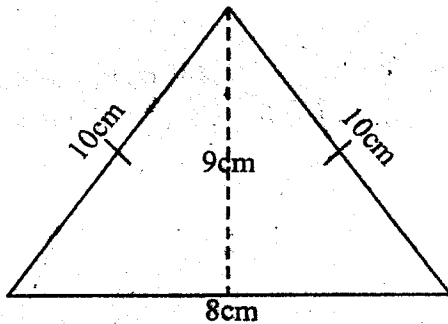C. 480dl   D. 4800dl

38. Find the area of the shaded region

A. 27cm²   B. 54cm²

C. 99cm²   D. 36cm²

39. Work out

$\underline{1.2 \times 0.012}$
      0.12

A. 0.12   B. 12

C. 1.2   D. 0.012

40. Find the greatest common divisor of the following numbers 8, 12 and 20

A. 16   B. 3040

C. 4   D. 40

41. What is 0.358 converted to percentage

A. 35.8   B. 3.58

C. 358   D. 35

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42. Kennedy bought 9 tonnes of sugar. He repacked it into 45kg packets. How many packets did he obtain?

A. 200   B. 500

C. 54   D. 5

43. Calculate the area of the triangle below

A. 28cm   B. 36cm²

C. 72cm²   D. 40cm²

44. Draw line AB whose measure is 11.4cm. Draw a perpendicular bisector of the line to meet line AB at M. What is the measure of line AM
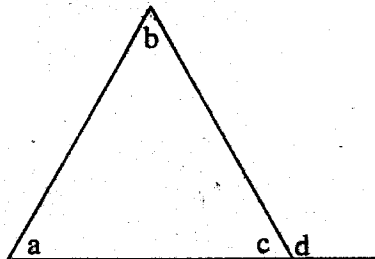
A. 5.5cm   B. 5.7cm

C. 6cm   D. 5cm

45. Work out the answer to

$6 \div \frac{1}{3}$

A. 2   B. $\frac{1}{18}$

C. 18   D. 12

46. Which one of the following is true from the diagram below?

A. a + c = d

B. b + c = d

C. b + c + d = 180⁰

D. a + b = d

47. Work out:

$\frac{1}{3}$ of (15 - 3) x $\frac{1}{4} \div 3$

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

C. 3   D. $\frac{1}{48}$

48. Find the value of x

	1	6
3	5	
4	9	x

A. 8   B. 2

C. 7   D. 4

Use the table below to answer questions 49 and 50.

50 boys in a class were asked to vote for their favourite sports. The results was as shown in the table below. Some of the boys didn't vote.

Hockey	Bad minton	Volley ball	Tennis	Football
6	8	10	7	15

49. How many boys voted altogether?

A. 44   B. 50

C. 46   D. 10

50. How many boys didn't vote?

A. 40   B. 4

C. 46   D. 50