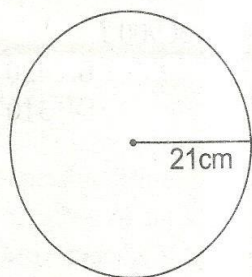# CLASS 7 MATHS END TERM 1 2020

1. What is six million seven hundred and two thousand three hundred and eight in symbols ?
   A. 6720308
   B. 6702380
   C. 6702308
   D. 6072308

2. Evaluate: $\dfrac{0.7 \times 0.723}{0.21}$
   A. 2.41
   B. 0.241
   C. 24.1
   D. 0.0241

3. What is the next numbers in the sequence:
   2, 5, 11, 23, 47, ____
   A. 101
   B. 95
   C. 76
   D. 191

4. The price of a book costing sh.250 was reduced to sh.200. What was the percentage decrease on the price ?
   A. 80%
   B. 20%
   C. 25%
   D. $11\frac{1}{9}$%

5. Work out: $576 \div 96 + 210$
   A. 220
   B. 310
   C. 216
   D. 186

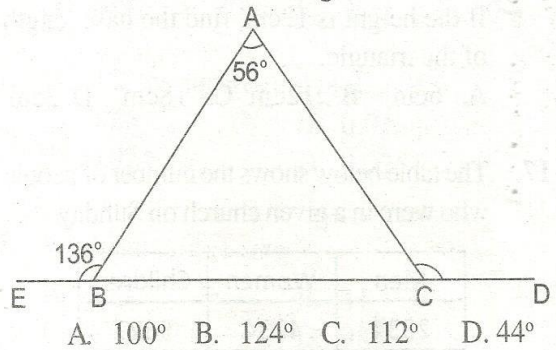6. Calculate the circumference of the figure shown below. $(\pi = \frac{22}{7})$

   21cm

   A. 141cm
   B. 99cm
   C. 120cm
   D. 132cm

7. What is the difference between the LCM of 32, 48 and 60 and the HCF of 28 and 52 ?
   A. 480
   B. 1904
   C. 476
   D. 484

8. In a school there are 455 pupils. If each pupil paid sh.500 for a trip, how much money was collected ?
   A. Sh.225000
   B. Sh.250250
   C. Sh.207500
   D. Sh.227500

9. What must be multiplied by 0.0426 to get 4260 ?
   A. 1000
   B. 10000
   C. 100000
   D. 1000000

10. In the figure below EBCD is a straight line. What is the value of angle ACD ?

    A. 100°
    B. 124°
    C. 112°
    D. 44°

11. In a class $\frac{3}{5}$ of the pupils are boys. If there are 24 girls, how many boys are there in the class ?
    A. 60
    B. 24
    C. 63
    D. 36

12. Kamum bought the following items from the shop:
    $1\frac{1}{2}$ kg of meat for sh.300
    2kg of sugar @ sh.87.50
    3 rolls of tissue paper at sh.35 each
    She gave the shopkeeper three sh.200 notes. How much balance did she get ?
    A. Sh.580
    B. Sh.225
    C. Sh.20
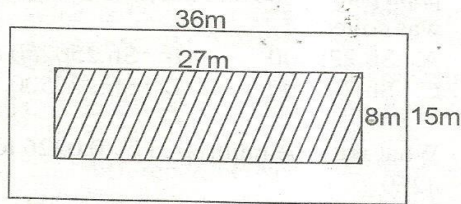   D. Sh.375

CAT 003

MATHS STD.7

13. Which one of the following numbers is divisible by 8 ?
    A. 94384
    B. 741145
    C. 56482
    D. 98524

14. Moses left home at 1350hrs for Eldoret a distance of 504km. If his speed was 72km/hr, what time did he reach Eldoret ?
    A. 6.50a.m
    B. 8.50p.m
    C. 6.50p.m
    D. 8.50a.m

15. What is the area of the unshaded part in the figure below ?

    36m
    27m
    8m | 15m

    A. 216m²
    B. 304m²
    C. 540m²
    D. 324m²

16. The area of a right angled triangle is 72cm². If the height is 12cm, find the base length of the triangle.
    A. 6cm   B. 12cm   C. 18cm   D. 3cm

17. The table below shows the number of people who were in a given church on Sunday.

Men	Women	Children
2834	4234	9827

    How many less adults than children were in the church ?
    A. 2759
    B. 3594
    C. 7068
    D. 8992

18. What is the square root of $6\frac{1}{4}$?

    A. $39\frac{1}{16}$ B. $2\frac{1}{4}$ C. $3\frac{1}{2}$ D. $2\frac{1}{2}$

19. If $a = 3$, $y = 5$ and $c = 0$ what is the value of a^2yc ?
    A. 45   B. 0   C. 30   D. 450

20. Construct triangle XYZ in which XY = 6cm, YZ = 4.6cm and XZ = 5cm. What is the size of angle XYZ ?
    A. 48°   B. 125°   C. 50°   D. 55°

21. Round off the product of 324 and 86 to the nearest thousands.
    A. 28000
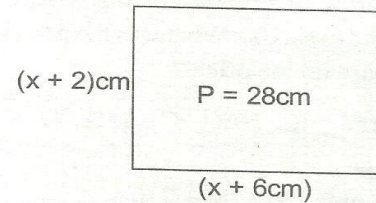   B. 27864
    C. 27800
    D. 27000

22. Which one of the following number pattern increases by one thousand ?
    A. 95400, 95500, 95600, 95700
    B. 95600, 96600, 97600, 98600
    C. 95400, 96500, 97600, 98700
    D. 95700, 94700, 93700, 92700

23. How many $\frac{2}{3}$ hr lessons are there in 6 hours ?

    A. $6\frac{1}{3}$ B. 4   C. $5\frac{2}{3}$ D. 9

24. What is the value of x in the figure below if its perimeter is 28cm ?

    (x + 2)cm   P = 28cm
    (x + 6cm)

    A. 10   B. 3   C. 8   D. 4

25. What is the sum of the prime numbers between 10 and 30 ?
    A. 93   B. 112   C. 76   D. 139

26. What is 40% of 900 ?
    A. 540
    B. 420
    C. 360
    D. 310

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MATHS STD.7

27. What is the sum of faces, edges and vertices of an open cube ?
   A. 26   B. 28   C. 25   D. 17

28. Take away $5\frac{2}{3}$ from $13\frac{5}{8}$.

   A. $7\frac{23}{24}$ B. $8\frac{1}{24}$ C. $7\frac{1}{24}$ D. $8\frac{23}{24}$

29. Express 70% as a decimal.
   A. 0.07   B. 0.7
   C. 7.0   D. 0.007

30. Which one of the following numbers is divisible by both 2 and 3 ?
   A. 216816   B. 148312
   C. 569663   D. 139936

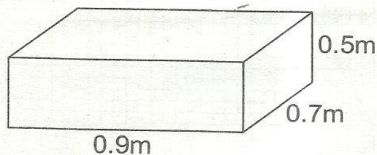31. A man's stride is 45cm. How many strides would he need to take a walk 270m ?
   A. 6   B. 60   C. 600   D. 6000

32. Which one of the following is equivalent to $\frac{5}{13}$?
   A. $\frac{5 + 3}{13 + 3}$ B. $\frac{5 - 3}{13 - 3}$
   C. $\frac{5 \times 3}{13 \times 3}$ D. $\frac{5 \div 5}{13 \div 13}$
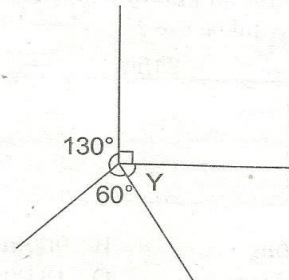
33. What is the volume of the cuboid below in cm³ ?

   A. 3150cm³   B. 315000cm³
   C. 3150000cm³   D. 31500cm³

34. A family consumes 8 litres of milk everyday. How many litres of milk did the family consume in the months of January, February and March of the year 2019 ?
   A. 728   B. 725
   C. 720   D. 736

35. What is the supplement of angle Y in the figure shown below ?

   A. 80°   B. 90°   C. 10°   D. 100°

36. Jones already has sh.3906. In addition to this he earns another sh.1609. He then spends sh.709. How much is he left with ?
   A. Sh.4916   B. Sh.4806
   C. Sh.4816   D. Sh.5515

37. During planting season, 2 out of every 5 seeds that were planted germinated. What percentage of all the seeds planted did not germinate ?
   A. 30%   B. 20%   C. 40%   D. 60%

38. What is the square root of 0.0676 ?
   A. 0.26   B. 0.0338
   C. 0.024   D. 0.026

39. Work out: $\sqrt{841} + 12^2$
   A. 853   B. 41
   C. 173   D. 985

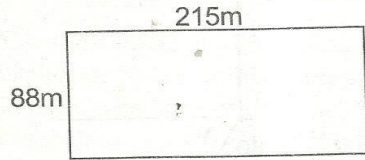40. A rectangular field measures 100m by 200m. What is the area of the field in hectares ?
   A. 50ha   B. 20ha   C. 200ha   D. 2ha

41. A book cost sh.20 and a pen sh.x. What is the cost of 4 books and 4 pens in shillings ?
   A. 8x + 80   B. 4x + 20
   C. 16x + 20   D. 4x + 80

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42. A farmer fenced the rectangular plot below using three strands of wire. What length of the wire did he use ?

215m

88m

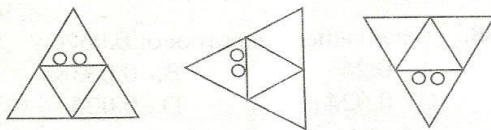A. 606m   B. 909m
C. 2424m   D. 1818m

43. What is the place value of digit 5 in the number 6.2758 ?
A. Hundredths   B. Thousandths
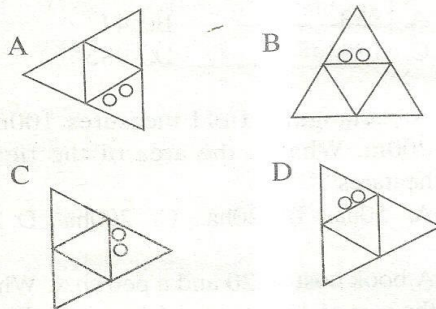C. Tenths   D. Ten thousandths

44. The difference between two numbers is 600. The smaller number is 4946. What is the other number ?
A. 4346   B. 600
C. 5546   D. 6546

45. Below is a pattern.

What will be the next pattern ?

A   B

C   D

46. The mass of six pupils is 44kg, 38kg, 36kg, 42kg, 44kg and 36kg. Calculate their mean mass.
A. 240kg   B. 40kg
C. 42kg   D. 38kg

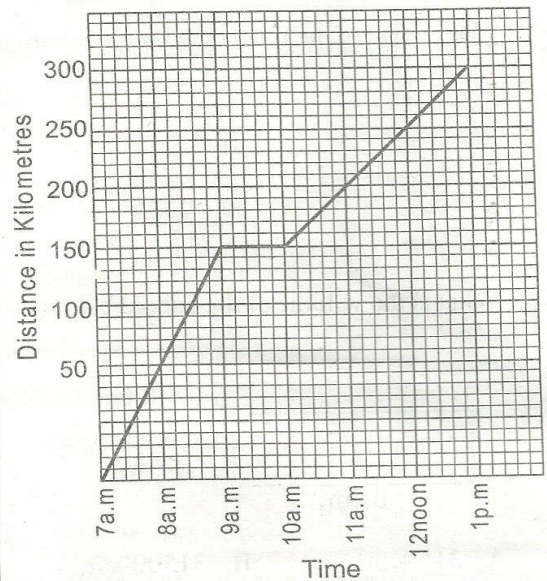**47.** What is the correct arrangement of the fractions below from the largest to the smallest ?

$$\frac{1}{2}, \frac{5}{6}, \frac{2}{5}, \frac{4}{9}, \frac{5}{8}$$

A. $\frac{2}{5}, \frac{4}{9}, \frac{1}{2}, \frac{5}{8}, \frac{5}{6}$ B. $\frac{5}{8}, \frac{5}{6}, \frac{1}{2}, \frac{4}{9}, \frac{2}{5}$

C. $\frac{5}{6}, \frac{5}{8}, \frac{1}{2}, \frac{4}{9}, \frac{2}{5}$ D. $\frac{5}{6}, \frac{5}{8}, \frac{4}{9}, \frac{1}{2}, \frac{2}{5}$

48. Work out : $\frac{1}{2} + \frac{3}{4} - \frac{1}{8}$

A. $2\frac{1}{4}$ B. $1\frac{1}{2}$

C. $1\frac{1}{8}$ D. $2\frac{3}{8}$

The graph below represents a cyclist's journey. Use it to answer questions 49-50.

49. The cyclist made the first stop to rest after covering how many kilometres ?
A. 300km   B. 250km
C. 150km   D. 200km

50. How long did the whole journey take ?
A. 6hrs   B. 5hrs
C. 11hrs   D. 7hrs