

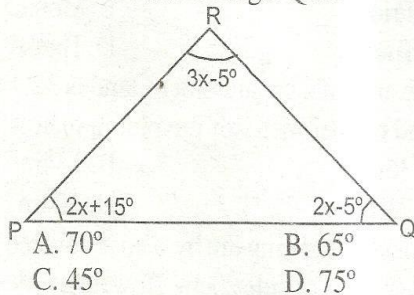
CLASS 8 MATHS

END TERM 1 2020

- Which one of the following is eight million four hundred and seventy six thousand eight hundred and thirty less sixty seven thousand and forty in symbols?
A. 8476830 B. 8409430
C. 8329890 D. 8409790
- Round off 4289608 to the nearest thousand.
A. 4289000 B. 4290608
C. 4290000 D. 4289700

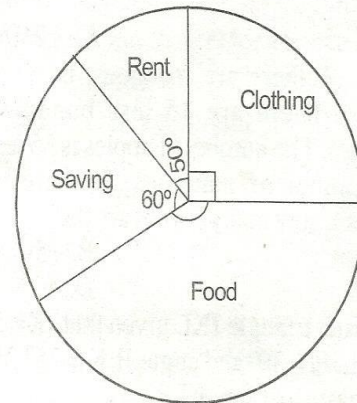
- What is quarter of $\sqrt{1296} \times \left(6\frac{4}{3}\right)^2$
A. 484 B. 1936
C. 264 D. 968

- Find the value of angle QPR



- What is the value of: $\frac{6(24 - 18) + 6 \times 4}{6}$
A. 30 B. 25
C. 10 D. 28
- A certain piece of work can be completed by 9 men for a duration of 60 days. How many men had to be laid off in order for the work to be done and completed within 180 days?
A. 3 B. 6
C. 4 D. 2
- Which one of the following statements is true about a parallelogram?
A. The diagonals are equal
B. All the interior angles are each 90°
C. Has two pairs of parallel sides
D. Diagonals bisect the angles
- A cylindrical tank has a base area of 6.16m^2 and a height of 3m. Calculate the capacity of the tank in litres.
A. 18.48L B. 18480L
C. 1848L D. 184800L

- In a certain school there are three hundred and eighty six less boys than girls. If there are six hundred and seventy two boys in the school, how many pupils are in that school altogether?
A. 1058 B. 1730
C. 958 D. 1444
- The circle graph below shows how Phoebe spends her monthly income.



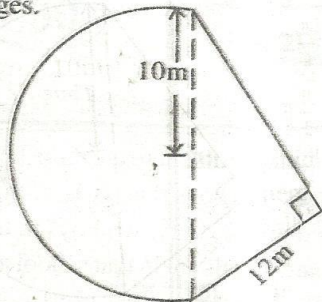
If she spends sh. 32000 on food, how much more does she spend on clothing than rent?

- A. Sh. 12000 B. Sh. 18000
C. Sh. 10000 D. Sh. 8000
- A piece of land 7.25ha is to be divided into 0.125ha plots. If two houses were to be built in each plot, how many houses would be built?
A. 116 B. 29
C. 58 D. 11.6
 - The area of a trapezium is 288cm^2 . Its height is 12cm one of its parallel sides is 30cm. What is the length of the other parallel side?
A. 18cm B. 36cm
C. 9cm D. 12cm
 - What is the value of: $\frac{3}{4}\left(\frac{1}{2} + \frac{2}{5} + \frac{1}{3}\right) - \frac{1}{5} \times \frac{3}{8}$
A. $2\frac{7}{10}$ B. $2\frac{1}{40}$
C. $1\frac{19}{20}$ D. $1\frac{1}{5}$

CLASS 8 MATHS

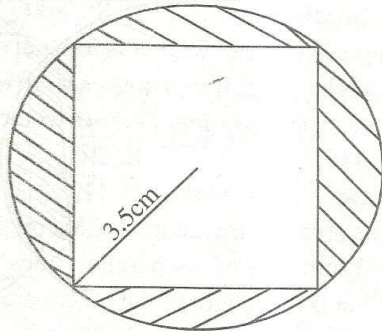
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14. The following diagram shows a kitchen garden consisting of a semi circle and two straight edges.



If the owner intends to fence it using five strands of barbed wire, what is the length of the wire needed. (Take $\pi = 3.14$)

- A. 454m
B. 140m
C. 297m
D. 1710m
15. In a sack there are mangoes, bananas and apples. There are 45 less bananas than mangoes. The number of apples is 35 less than the number of mangoes. If there are 30 bananas, how many apples are there?
A. 65
B. 75
C. 105
D. 40
16. Construct triangle JKL given that JK = 5.5cm, angle LJK = 30° and angle JLK = 75° . What is the measure of line KL?
A. 5.5cm
B. 3.8cm
C. 2.9cm
D. 4.2cm
17. In the figure below, a square is enclosed in a circle of radius 3.5cm.



What is the area of the shaded part?

(Take $\pi = \frac{22}{7}$)

- A. 38.5cm^2
B. 14cm^2
C. 24.5cm^2
D. 26.25cm^2
18. Dan receives a salary of sh.30000 per month. He uses $\frac{3}{20}$ of it for rent, $\frac{2}{5}$ for school fees and saves the rest. How much more does he save than use on rent?
A. Sh. 7500
B. Sh. 18000
C. Sh. 13500
D. Sh. 9000

19. What is the value of m in the equation:

$$\frac{2m - 3}{3} + 2m = 5$$

- A. $2\frac{1}{4}$
B. 1
C. $1\frac{1}{2}$
D. 2
20. Which number when divided by 12, 20 or 36 the remainder is always 8?
A. 180
B. 172
C. 184
D. 188
21. The table below shows the number of pupils absent in a class of 46 pupils.

Day	Mon	Tue	Wed	Thur	Fri
Boys	2	5	3	1	3
Girls	1	2	3	4	5

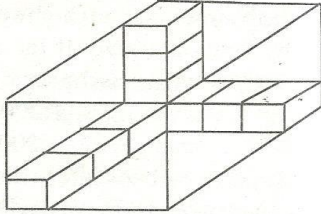
On which day was the number of pupils present highest?

- A. Friday
B. Monday
C. Tuesday
D. Thursday
22. The area of a square plot of land is 3.24 ares. Find the perimeter of the plot in metres?
A. 36m
B. 144m
C. 72m
D. 324m
23. A floor measuring 8m by 10m is covered with square tiles of side 20cm. How many tiles are needed to cover the floor completely?
A. 200
B. 2000
C. 75
D. 750
24. Jamil bought the following items from the shop
 $3\frac{1}{2}$ kg of rice at sh. 90
 3 bars of soap @ sh 120
 $1\frac{1}{2}$ kg of beans for sh. 210
 $2\frac{1}{2}$ litres of cooking oil @ sh.320
 3 rolls of tissue for sh.105
 How much balance did he get if he paid sh.2000?
 A. Sh. 1790
B. Sh. 1720
C. Sh. 210
D. Sh. 280
25. What is the value of: $\frac{2t(g-2)^2}{k+1}$
 where $g = k - 3$, $k = 8$ and $t = 3g + 3$
 A. 24
B. 36
C. 144
D. 12

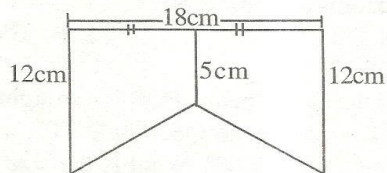
CLASS 8 MATHS

END TERM 1 2020

40. The ratio of boys to girls in a class is 5:4. If there are 5 more boys than girls, how many pupils are in the class?
 A. 45
 B. 25
 C. 20
 D. 55
41. Express 54km/hr into m/s
 A. 54m/s
 B. 10m/s
 C. 25m/s
 D. 15m/s
42. How many more cubes are needed to fill the box below



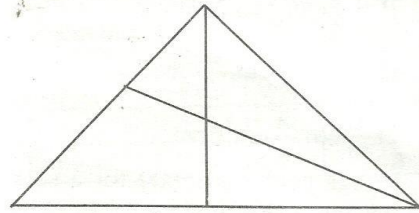
- A. 10
 B. 54
 C. 44
 D. 64
43. Electric poles were fixed on both sides of a road 2km long at interval of 20m. How many poles were fixed?
 A. 202
 B. 200
 C. 198
 D. 196
44. A lorry weighs 1.2 tonnes when empty. It was loaded with forty 90kg bags of maize and eight 50kg bags of beans. What is the mass of the loaded lorry in tonnes?
 A. 4
 B. 5.2
 C. 5200
 D. 4.8
45. What is the area of the figure drawn below?



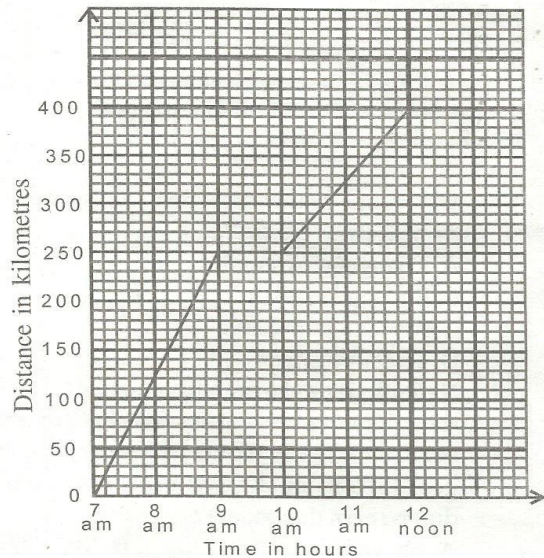
- A. 216cm²
 B. 153cm²
 C. 90cm²
 D. 63cm²
46. What is the value of: $\sqrt{1\frac{9}{16}}$

- A. $1\frac{3}{4}$
 B. $1\frac{1}{8}$
 C. $1\frac{1}{4}$
 D. $1\frac{1}{16}$

47. The height of 8 boys were recorded as follows: 1.2m, 1.4m, 1.8m, 1.3m, 1.5m, 1.6m, 1.4m, 1.7m. What was the modal height?
 A. 1.49m
 B. 1.5m
 C. 1.45m
 D. 1.4m
48. To what ratio must 42 be decreased to make it 28?
 A. 3:2
 B. 1:2
 C. 2:3
 D. 2:1
49. How many triangles can be counted from the figure below?



- A. 9
 B. 5
 C. 8
 D. 7
50. The graph below represents a motorist's journey from town X to town Y, 400km away



What was the motorist's average speed for the whole journey?

- A. 80km/h
 B. 72km/h
 C. $66\frac{2}{3}$ km/h
 D. 100km/h