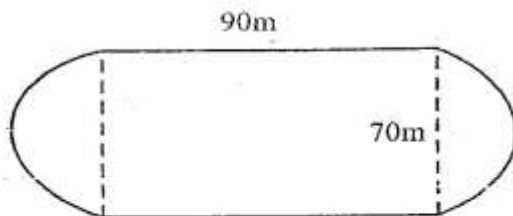


STANDARD 8 END TERM 1 EXAM 2019

MATHEMATICS

1. What is eight million two hundred and nine less one thousand two hundred and nine in figures?
- A. 8001418
B. 799900
C. 7999000
D. 8999000
2. What is the value of 6860686 divided by 49?
- A. 14014
B. 1414
C. 140014
D. 4014
3. What is the value of $\frac{3(5^2 - 4^2)}{9} + 9$?
- A. 3
B. 12
C. 4
D. 6
4. What is the square root of 0.1764?
- A. 0.42
B. 4.2
C. 0.042
D. 42
5. Which of the following is the correct order of arranging the fractions $\frac{1}{6}, \frac{2}{5}, \frac{3}{7}, \frac{3}{8}$ from the smallest to the largest?
- A. $\frac{3}{7}, \frac{2}{5}, \frac{3}{8}, \frac{1}{6}$
B. $\frac{2}{5}, \frac{1}{6}, \frac{3}{7}, \frac{3}{8}$
C. $\frac{1}{6}, \frac{3}{7}, \frac{2}{5}, \frac{3}{8}$
D. $\frac{1}{6}, \frac{3}{8}, \frac{2}{5}, \frac{3}{7}$
6. What is the next number in the series 31, 37, 41, 43, 47, _____?
- A. 53
B. 51
C. 54
D. 57
7. What is the value of $\frac{1}{2} + \frac{3}{4} \left(\frac{1}{3} \text{ of } \frac{1}{8} \right) + \frac{1}{6}$?
- A. $\frac{5}{16}$
B. $\frac{11}{16}$
C. $2\frac{1}{16}$
D. $\frac{9}{16}$

8. Vivian ran round the track below three times.



How many metres did she cover?

- A. 290m
B. 400m
C. 1200m
D. 460m
9. What is the value of x in the equation.
$$\frac{2x-5}{3} = 10$$

A. 12
B. 8
C. 18
D. 19
10. The price of a pair of shoes of shoes was sh. 2500 Kanti bought it at sh. 2000 after being given a discount . What was the percentage discount given?
A. 5%
B. 10%
C. 20%
D. 25%
11. A meeting started at 8:35am and took four hours fifteen minutes . At what time did the meeting end?
A. 12:50am
B. 12:50pm
C. 1:50m
D. 1.50am
12. Beth slept for 9 hours. She wake up at 6.00am, at what time had she slept?
A. 8.00pm
B. 9.00pm
C. 7.00pm
D. 10.00pm
13. The area of the square piece of land is 0.25ha, what is the length of the square?
A. 50m
B. 25m
C. 5m
D. 2500m
14. What must be multiplied by 2.0045 to get 20045?
A. 10000
B. 1000
C. 100
D. 100000
15. The marks scored by 10 girls in a tests are 9, 4, 5, 8, 4, 9, 5, 7, 6, and 7. What was the median score?
A. 4
B. 9
C. 13
D. 6.5
16. What is the simplified form of
$$\frac{1}{2}(28+6q)+4(2q-3)$$

A. $11q+2$
B. $11q-2$
C. $11q+16$
D. $11q-16$

17. 8 people working at the same rate can take 12 days to finish a job. How many less people are required to complete it in 16 days.

- A. 4
- B. 2
- C. 6
- D. 8

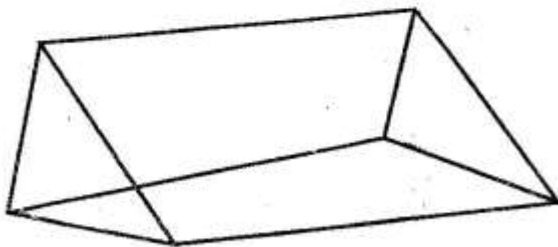
18. Which of the following measurements will form a right angled triangle?

- A. 0.5m, 1.2m, 1.3m
- B. 0.3cm, 0.2cm, 0.4cm
- C. 0.9cm, 1.6cm, 2.5cm
- D. 1cm, 0.3cm, 0.4cm

19. The cost price and the selling price of an article are in the ratio 4:5 respectively. If its selling price is sh. 150, what is the cost price of the article?

- A. Sh. 120
- B. Sh. 96
- C. Sh. 100
- D. Sh. 140

20. What is the number of the faces, edges and vertices respectively of the solid drawn below?

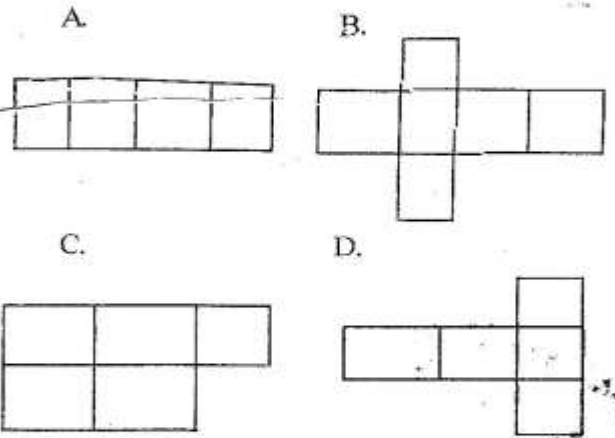


	Faces	Edges	Vertices
A.	6	12	9
B.	5	6	9
C.	9	5	6
D.	5	9	6

21. Construct triangle PQR in which $PQ = 7\text{cm}$, angle $PQR = 35^\circ$ and angle $QPR = 45^\circ$. Draw circle touching the vertices of the triangle. What is the measure of the radius of the circle?

- A. 7cm
- B. 3.5cm
- C. 3cm
- D. 2.5cm

22. Which one of the following is the correct net of an open cube.



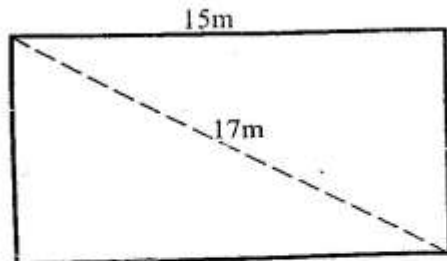
23. What is the value of;

$$c(b + 9b)$$

$$c + 4c \quad \text{given that } c = 2, \text{ and } b = 3$$

- A. 6
- B. 3
- C. $7\frac{1}{2}$
- D. $3\frac{1}{2}$

24. What is the area of the rectangle drawn below?



- A. 120m^2
B. 255m^2
C. 60m^2
D. 136m^2

25. Lydia bought $2y$ mangoes, Rebecca bought half as many mangoes as Charity who bought 4 more mangoes than Lydia. How many mangoes did the three girls buy altogether?

- A. $5y + 6$
B. $4y + 6$
C. $8y + 12$
D. $8y + 6$

26. Ishmael spent $\frac{3}{8}$ of his salary on rent, $\frac{2}{5}$ of the remainder on household expenses and saved the rest. If he saved sh. 12000, how much was his salary?

- A. Sh 32000
B. Sh. 40000
C. Sh. 8000
D. Sh 2000

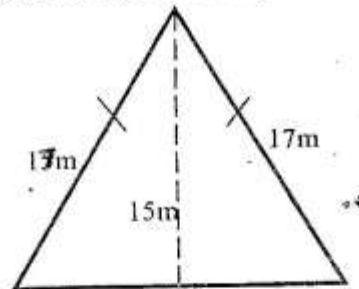
27. How many times is the value of digit 8 greater than the value of digit 4 in the number 780045?

- A. 20
B. 2
C. 2000
D. 200

28. A water tank can be filled by one tap in 8 minutes and emptied by another in 12 min. If the tank is empty how long will it take to fill the tank if both taps are opened at the same time

- A. 24min
B. 36min
C. 18min
D. 20min

29. What is the area of the triangle drawn below?



- A. 68m^2
B. 120m^2
C. 60m^2
D. 128m^2

30. What is the value of

$$\frac{0.9 \times 2.8}{0.036}$$

- A. 0.07
B. 0.7
C. 7
D. 70

31. Round off 2.0381 to the nearest thousandths?

- A. 2.04
- B. 2.038
- C. 2.03
- D. 2.38

32. Ednah bought the following items from a shop

2 bars of soap @ sh. 60

3 pens @ sh. 18

A packet of tea leaves @ sh. 60

A book @ sh 30

What balance did she receive if she gave the shopkeeper a five hundred shilling note?

- A. Sh. 116
- B. Sh. 384
- C. Sh 264
- D Sh. 236

33. The table below shows the daily sale of milk

Days	Mon	Tue	Wed	Thurs	Fri	Sat
No. of litres	70	49	77	62	74	68

On which two consecutive days was the increase in sales the highest?

- A. Monday and Tuesday
- B. Tuesday and Wednesday
- C. Wednesday and Thursday
- D. Thursday and Friday

34. What is the difference between the LCM and HCF of 24, 32 and 40?

- A. 8
- B. 480
- C. 472
- D. 488

35. What is the simplified form of

$$\frac{5p+4}{3} < \frac{4p-6}{2}$$

- A. $p > 13$
- B. $p < 13$
- C. $p > 26$
- D. $p < 26$

36. Harrison is paid sh. 37000 after working for 25 days, how much would he be paid if he misses 4 days?

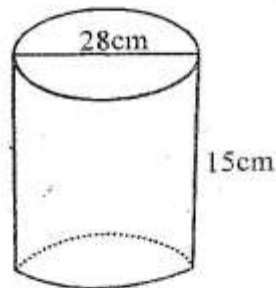
- A. Sh. 6000
- B. Sh. 31500
- C. Sh. 43500
- D. Sh. 4464

37. What is the square of $6\frac{1}{4}$

- A. $31\frac{5}{16}$
- B. $2\frac{1}{2}$
- C. $31\frac{9}{16}$
- D. $39\frac{1}{16}$

38. Which of the following is divisible by 11?
 A. 3598
 B. 2658
 C. 4960
 D. 5940

39. What is the surface area of the closed cylinder drawn below?



- A. 1800cm^2
 B. 1936cm^2
 C. 2552cm^2
 D. 616cm^2
40. The pie chart below shows how Wesley spends his monthly. If he spends sh. 6400 on food, how much more does he spend on rent than on clothing?



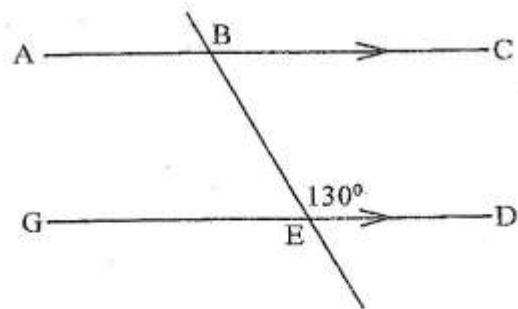
- A. Sh. 1600
 B. Sh. 2000
 C. Sh. 3600
 D. Sh. 2400

41. What is $1\frac{1}{3}\%$ as a ratio in its simplest form?
 A. 4:300
 B. 300:4
 C. 4:3
 D. 3:4

42. A company packed 3 tonnes of sugar into 1500 gram packets. How many packets did they get?
 A. 20000
 B. 200
 C. 200000
 D. 2000

43. Patel borrowed sh. 100000 from a bank that charged simple interest at the rate of 10% p.a. How much did he pay back altogether at the end of 3 years?
 A. Sh. 30000
 B. Sh. 130000
 C. Sh. 50000
 D. Sh. 150000

44. In the figure below AC is parallel to GD angle $\text{BED} = 130^\circ$.



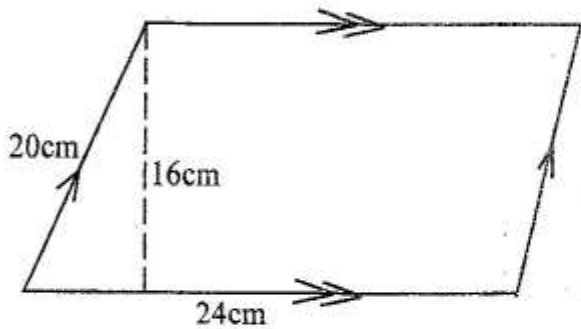
What is the size of angle CBE?

- A. 130°
 B. 60°
 C. 50°
 D. 90°

45. How many $1\frac{1}{4}$ kg packets are there in 160kg?

- A. 280
- B. 821
- C. 160
- D. 128

46. What is the area of the figure drawn below.



- A. 480cm^2
- B. 320cm^2
- C. 384cm^2
- D. 420cm^2

47. What is 438.964 correct to one decimal place?

- A. 439
- B. 438.9
- C. 438.96
- D. 439.0

48. What is the value of

$$\frac{5^2 - 1^2}{8}$$

- A. 3
- B. 8
- C. 2
- D. 4

49. What is the 108km/h in m/sec?

- A. 3m/sec
- B. 30m/sec
- C. 60m/sec
- D. 72m/sec

50. What is the next shape in the pattern

