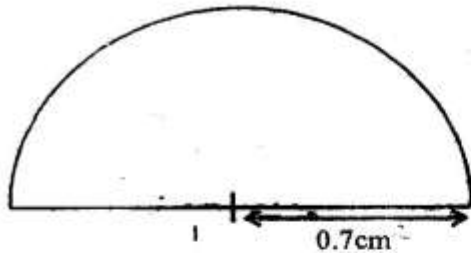


# STANDARD 7 END TERM 1 EXAM 2019

## MATHEMATICS

- Which one of the following is seven million seven thousand seven hundred and seven in numerals?  
A. 7007770  
B. 7007707  
C. 7700707  
D. 7770770
- What is the place value of digit 4 in the number 743369?  
A. Millions  
B. Thousands  
C. Tens of thousands  
D. Hundreds of thousands
- What is the 7342 rounded off to the nearest a hundred?  
A. 7300  
B. 7340  
C. 7000  
D. 7400
- What is the total value of digit 2 in the numbers 32941?  
A. 200  
B. 20000  
C. Two  
D. Two thousand
- Which of the following numbers is divisible by 11?  
A. 43629  
B. 43329  
C. 43429  
D. 43529
- What is the HCF of 6, 18 and 27?  
A. 54  
B. 9  
C. 6  
D. 3
- What is 839.048 rounded off to the nearest 2 decimal places  
A. 839.05  
B. 839.04  
C. 800.04  
D. 839.48
- What is the next number in the sequence?  
81, 64, 49, 36, 25, \_\_\_\_  
A. 9  
B. 4  
C. 16  
D. 20

9. What is the area of the figure drawn below in  $\text{cm}^2$ ? ( $\pi = \frac{22}{7}$ )



- A.  $154\text{cm}^2$   
B.  $0.77\text{cm}^2$   
C.  $4.4\text{cm}^2$   
D.  $44\text{cm}^2$
10. What is the value of  $y$  in the equation  $3y - 1 = y - 9$   
A. 5  
B. 3  
C. 4  
D. 2
11. The population of a certain town increased from 50000 to 60000 people. What was the percentage increase?  
A. 80%  
B. 25%  
C. 50%  
D. 20%
12. What is the square root of  $1\frac{9}{16}$ ?  
A.  $1\frac{3}{4}$   
B.  $2\frac{113}{256}$   
C.  $1\frac{1}{4}$   
D.  $2\frac{1}{8}$
13. What is the product of 2.5 and 0.24?  
A. 0.006  
B. 60  
C. 6  
D. 0.6
14. What is the circumference of a circle whose radius is 14cm?  
A. 44cm  
B. 88cm  
C. 66cm  
D. 110cm
15. What is the value of  $\frac{9.6 \times 0.42}{1.68}$ ?  
A. 240  
B. 24  
C. 2.4  
D. 0.24

16. What is the value of  $13 - 18.48 + 6.49$ ?

- A. 1.01
- B. 0.01
- C. 1.10
- D. 1.001

17. What is the value of

$$\frac{1}{3} + \frac{1}{4} + \frac{1}{8}$$

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

18. What is the sum of the complement of  $50^\circ$  and the supplement of  $120^\circ$ ?

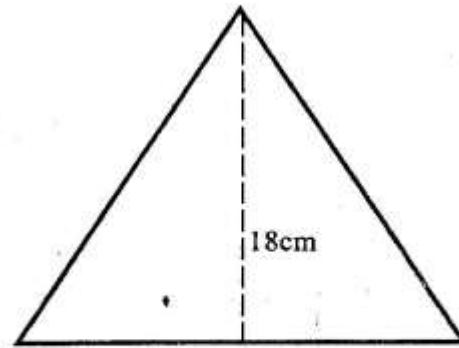
- A.  $40^\circ$
- B.  $20^\circ$
- C.  $100^\circ$
- D.  $60^\circ$

19. Arrange the following fractions in an ascending order?

$$\frac{3}{4}, \frac{2}{3}, \frac{5}{6}, \frac{4}{5}$$

- A.  $\frac{2}{3}, \frac{3}{4}, \frac{4}{5}, \frac{5}{6}$
- B.  $\frac{5}{6}, \frac{4}{5}, \frac{3}{4}, \frac{2}{3}$
- C.  $\frac{2}{3}, \frac{4}{5}, \frac{3}{4}, \frac{5}{6}$
- D.  $\frac{2}{3}, \frac{3}{4}, \frac{5}{6}, \frac{4}{5}$

20. The area of the triangle drawn below is  $243\text{cm}^2$ . If its height is 18cm, what is the length of its base?



- A. 27cm
- B. 54cm
- C. 36cm
- D. 18cm

21. What is the product of the GCD and the LCM of 15, 18 and 30?

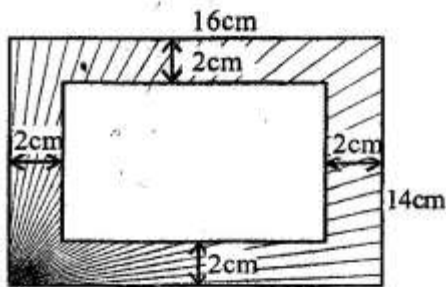
- A. 180
- B. 270
- C. 90
- D. 360

22. What is the value of  $\left(1\frac{5}{6}\right)^2$ ?

- A.  $1\frac{25}{36}$
- B.  $\frac{25}{36}$
- C.  $2\frac{11}{36}$
- D.  $3\frac{13}{36}$

23. What is the square root of 0.0196?  
 A. 0.14  
 B. 0.014  
 C. 1.4  
 D. 0.0014

24. What is the area of the shaded part in the figure below?



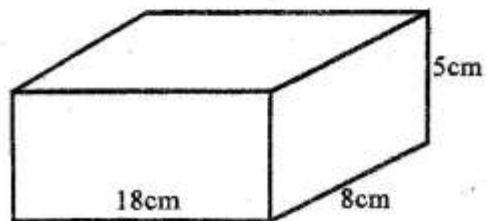
- A.  $114\text{cm}^2$   
 B.  $224\text{cm}^2$   
 C.  $104\text{cm}^2$   
 D.  $120\text{cm}^2$
25. How many  $\frac{3}{4}$  packets of sugar can be obtained from a 360 kg bag sugar?  
 A. 520  
 B. 270  
 C. 360  
 D. 480
26. Serah bought the following items from a shop.  
 $1\frac{1}{2}$  kg of meat at sh. 400  
 2kg of maize flour @sh. 80  
 3 loaves of bread @ sh.50  
 how much did he pay for the items  
 A. Sh 530  
 B. Sh. 910  
 C. Sh. 830  
 D. Sh. 900

27. During a wedding,  $\frac{3}{5}$  of the people present were women, a If there were 250 men, how many people were in the ceremony?  
 A. 1250  
 B. 100  
 C. 400  
 D. 625

28. What is 60% of 1400?  
 A. 840  
 B. 560  
 C. 1200  
 D. 940

29. Sherry slept at 8.30 pm and woke up at 5:40 am. For how long did she sleep?  
 A. 8hrs 10min  
 B. 7hrs 30min  
 C. 8hrs 20min  
 D. 9hrs 10min

30. What is the volume of the block drawn below?

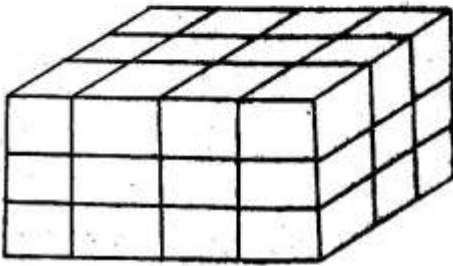


- A.  $720\text{cm}^2$   
 B.  $144\text{cm}^2$   
 C.  $720\text{cm}^2$   
 D.  $960\text{cm}^2$
31. Work out  $11066 \div 11$ ?  
 A. 106  
 B. 1006  
 C. 10006  
 D. 16

32. What is the simplified form of

$$\frac{1}{4}(4x+12) + \frac{1}{3}(3x-6)$$

- A.  $2x + 5$   
B.  $2x - 5$   
C.  $2x + 1$   
D.  $2x - 1$
33. How many cubes have been used to make the stack below?



- A. 36  
B. 33  
C. 28  
D. 38
34. What is the next fraction in the sequence

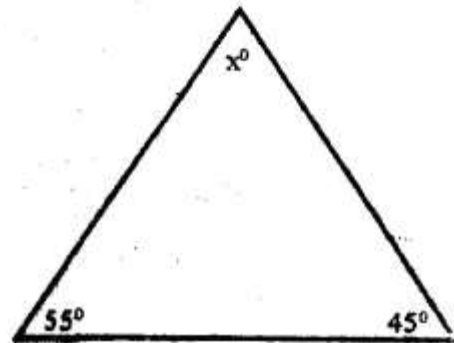
$$1\frac{1}{4}, 1\frac{3}{4}, 2\frac{1}{4} \text{ _____}$$

- A.  $2\frac{1}{8}$   
B.  $3\frac{1}{8}$   
C.  $3\frac{3}{4}$   
D.  $2\frac{3}{4}$

35. In the year 2004 the country's population was 30017281. In 2006, the population rose by 1743. What was the population in 2006?

- A. 30035125  
B. 30035124  
C. 30009438  
D. 30009435

36. Find the value of the angle marked  $x^\circ$ ?



- A.  $100^\circ$   
B.  $90^\circ$   
C.  $80^\circ$   
D.  $55^\circ$
37. Five tonnes of tea were packed into 250g packets. How many packets were obtained?

- A. 20  
B. 10000  
C. 200  
D. 20000



38. In a drawing, 1cm rep 9km of the actual length, what is the drawing length of 126km?

- A. 14km
- B. 14cm
- C. 0.14cm
- D. 13.7cm

39. What is the value of

$$\frac{m+2r}{p+r} \text{ given that } m = 40, r = 5 \text{ and } p = 20$$

- A. 2
- B. 3
- C. 5
- D. 6

40. What is  $37\frac{1}{2}\%$  as a fraction in its simplest form?

- A.  $\frac{3}{20}$
- B.  $\frac{13}{40}$
- C.  $\frac{3}{8}$
- D.  $\frac{3}{4}$

41. Oduor has  $m$  fruits. Guchienga has 13 more fruits than Oduor, while Karish has 4 less than Oduor. How many fruits do they have altogether?

- A.  $3m + 17$
- B.  $3m + 9$
- C.  $m + 9$
- D.  $3m + 22$

42. What is the value of

$$\begin{array}{r} \text{t} \quad \text{kg} \quad \text{g} \\ 70 \quad 473 \quad 254 \\ - 9 \quad 868 \quad 572 \\ \hline \end{array}$$

- A. 61t 415kg 322kg
- B. 60t 605kg 683g
- C. 60t 604kg 682g
- D. 61t 604kg 682g

43. What is the smallest four digit number that can be formed from digits 0,4,7, and 9

- A. 0479
- B. 9074
- C. 9740
- D. 4079

44. Nyabera is 0.25m shorter than Nduati. If Nyabera is 1.5m, tall, how tall is Nduati?

- A. 1.75m
- B. 2m
- C. 1.7m
- D. 1.8m

45. How many groups of 100 are there in the total value of digit 8 in 78649?

- A. 80
- B. 800
- C. 8000
- D. 80000

46. What is the value of  $374 + 296 \times 25$

- A. 16750
- B. 9640
- C. 7776
- D. 695

47. What is  $\frac{3}{4}$  as a decimal?

- A. 75
- B. 0.75
- C. 0.25
- D. 0.15

48. A train covered a distance of 480km in 6hrs. What was the speed of the train in km/h?

- A.  $22\frac{1}{5}$  km/h
- B. 40km/h
- C. 60km/h
- D. 80km/h

The table below shows the amount of rainfall

recorded in Kericho in a certain year. Use it to

answer questions 49 and 50.

Month	Feb	Mar	Apr	May	June	July	Aug	Sep
Rainfall in mm	62	234	228	176	120	70	58	146

49. Which was the driest month?

- A. February
- B. March
- C. July
- D. August

50. How much more rainfall was there in April than in September?

- A. 228mm
- B. 146mm
- C. 374mm
- D. 82mm





