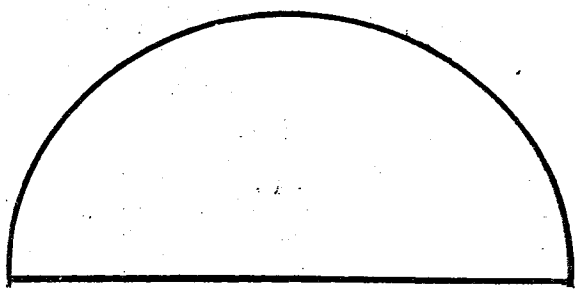
CROWN EXAMINATION TEST
STD. 6 - TERM 3 - 2021
MATHEMATICS

Time:2hrs

1. Which one of the following numbers is four million three hundred and forty six thousand two hundred and twenty four?
   A. 4346224 B. 404204
   C.434024 D. 3346024
2. Round off 49866 to the nearest ten thousand
   A. 49000 B. 50000
   C. 48000 D. 49800
3. Work out
   5386 x 24
   A. 119204 B. 127164
   C. 129264 D. 129254
4. Which one of the following numbers is divisible by 6
   A. 54320 B. 24400
   C. 13182 D. 8290
5. Work out 50100 ÷ 25
   A. 2001 B. 2003
   C. 2006 D. 2004
6. Add $3^1/_2$ to the difference of $2^1/_8$ and $2^2/_6$
   A. $2^{13}/_{15}$ B. $4^7/_{24}$
   C. $18^{29}/_{30}$ D. $1^{11}/_{44}$
7. What is the L.C.M of 24, 72, and 36
   A. 36 B. 72
   C. 48 D. 12
8. How many kilometres are there in 6240m
   A. 6.240 km B. 62.40 km
   C. 62 km D. 40.6 km
9. A square plot of land has an area of 484 m^2. What is its perimeter?
   A. 22 m B. 88 m
   C. 44 m D. 176 m
10. What is the value of
    0.123 + 1023 + 12.3 + 12
    A. 1013.373 B. 1047.423
    C. 1018.377 D. 1025.653
11. What is the square root of 0.0729?
    A. 0.27 B. 2.7
    C. 27 D. 0.027
12. Kamau went round the following figure four times. What distance did he cover? ($\pi = {}^{22}/_7$)



    A. 473.14 m B. 471.42 m
    C. 102 m D. 122.4 m
13. What is the reciprocal of $6^1/_4 \div 2^1/_2$
    A. $2^1/_2$ B. $15^5/_8$
    C. $^5/_2$ D. $^2/_5$
14. Work out

km	m	cm
15	400	42
- 6	192	88

    A. 9 km 207 m 54 cm
    B. 4 km 97 m 77 cm
    C. 4 km 146 m 66 cm
    D. 4 km 192 m 88 cm
15. What is the value of $\sqrt{10^9/_{16}}$
    A. $^{13}/_{16}$ B. $1^3/_{13}$

C. $^{4}/_{13}$ D. $3^{1}/_{4}$

16. What is the supplement of 23^{0}
A. 157^{0} B. 77^{0}
C. 67^{0} D. 137^{0}

17. A square plot of land has an area of 4 hectares. What is its perimeter?
A. 200 m B. 24000 m
C. 1000 m D. 800 m

18. What is the difference between 18.0042 and 8.9923 correct to 2 decimal places?
A. 8.0119 B. 8.011
C. 8.00 D. 9.01

19. Ajwang bought four trays of eggs for sh. 520, on her way to the market, 24 eggs broke. If she sold the rest at sh. 8 each, how much profit did she get? (a tray contains 30 eggs)
A. sh. 249 B. sh. 360
C. sh. 248 D. sh. 4060

20. What is the value of y in
$12^{1}/_{3}\ y + 6 = 12$
A. 9 B. $4^{1}/_{2}$
C. $1^{5}/_{4}$ D. $^{18}/_{37}$

21. Peter has x cows, y goats and 2 sheep in his farm. How many animals are there altogether in the farm?
A. x - y + 4 B. x + y + 4
C. xy4 D. xy + 4

22. Stephen started working in his farm at 8.30 am. For how long was he in his farm, if he returned home at 02.30 pm
A. 6 hours B. 10 hours
C. 11 hours D. 2 hrs 30 min

23. What is $\frac{46}{100}$
A. 0.46 B. 0.64
C. 0.65 D. 0.649

24. Change 5 m 22 cm into metres
A. 524.0 m B. 5.22 m
C. 500.22 m D. 22.500 m

25. Work out 5 hours 32 min x 9
A. 49 hrs 48 min
B. 33 hrs 52 min
C. 62 hrs 92 min
D. 46 hrs 40 min

26. Njoroge took $4^{1}/_{2}$ hours to walk to school. How many minutes did he take?
A. 380 minutes
B. 270 minutes
C. 390 minutes
D. 400 minutes

27. Convert 9 minutes into seconds
A. 560 seconds
B. 540 seconds
C. 450 seconds
D. 460 seconds

28. What is the value of y in y- 13 = 28
A. 39 B. 41
C. 42 D. 31

29. In a school, three bells ring at intervals of 6 minutes, 3 minutes and 9 minutes. After how long will they ring together again if they are rang together now?
A. 24 mins B. 12 mins
C. 18 mins D. 22 mins

30. What is $^{3}/_{4}$ as a percentage
A. 70% B. 62%
C. 75% D. 92%

31. What is the reciprical of $4^{2}/_{3}$
A. $^{14}/_{3}$ B. $^{12}/_{15}$
C. $^{3}/_{15}$ D. $^{3}/_{14}$

32. Work out
$3^{3}/_{4} \times 3^{1}/_{2}$
A. $4^{3}/_{8}$ B. $13^{1}/_{8}$
C. $2^{1}/_{2}$ D. $5^{5}/_{8}$

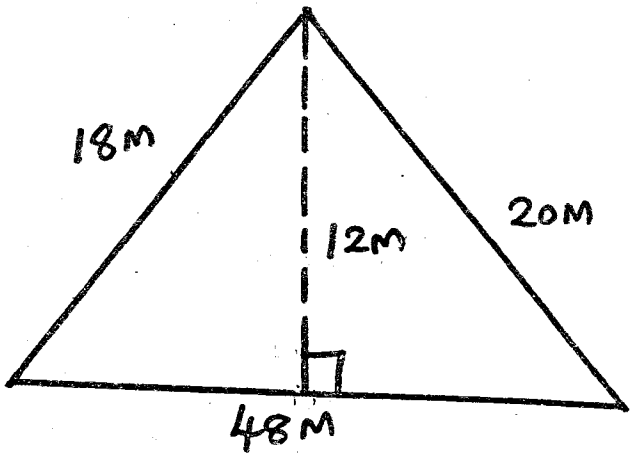
33. What number must be multiplied by 123 to get 6888
A. 56 B. 28
C. 58 D. 54

34. What is 55% as a decimal
A. 0.55 B. 5.5
C. 0.055 D. 55.05

35. Simplyfy
$x - {}^{1}/_{2}y - {}^{1}/_{3}x + {}^{3}/_{4}y$
A. $^{2}/_{3}x - 1^{1}/_{4}y$
B. $1^{1}/_{3}x + 1^{1}/_{4}y$
C. $^{2}/_{3}x + {}^{1}/_{4}y$
D. $1^{1}/_{3}x + {}^{1}/_{4}y$

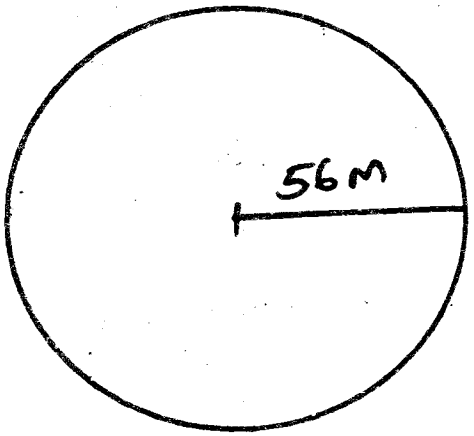
36. Atieno bought a sheep for sh. 4000 and later sold it at sh. 6000. Calculate her percentage profit
A. 40% B. 50%
C. 15% D. $17^{1}/_{9}\%$

37. What is the area of the following figure?



A. 288 m^2 B. 576 m^2
C. 240 m^2 D. 432 m^2

38. What is the circumfrence of the following circle ($\pi = {}^{22}/_{7}$)

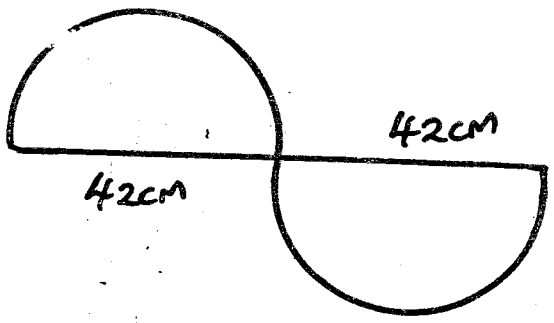


A. 88 m B. 352 m
C. 176 m D. 116 m

39. Simplify the equation
$7(2x + 4y) + 5$
A. $14x + 4y + 5$
B. $14x + 24y + 5$
C. $14x + 24y + 11$
D. $14x + 28y + 5$

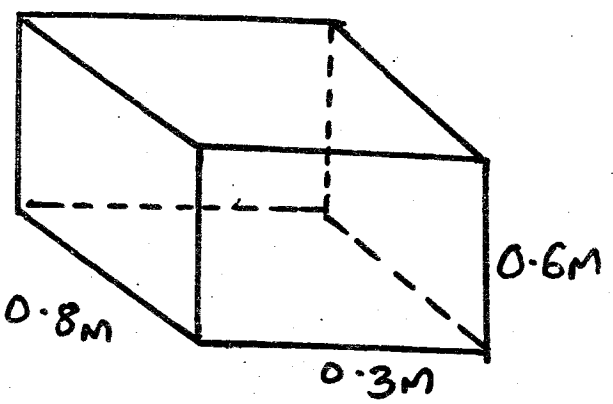
40. What is 34550 m^2 changed into hectares
A. 3455 ha
B. 345.55 ha
C. 34.55 ha
D. 3.455 ha

41. What is the distance all the way round the following figure? ($= {}^{22}/_{7}$)



A. 216 cm B. 54 cm
C. 33 cm D. 66 cm

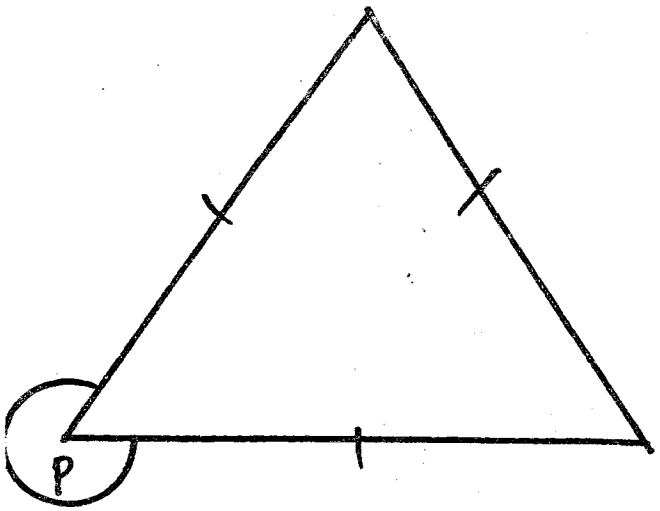
42. What is the volume of the following rectangular tank in cm^3



A. 0.16 cm^3 B. 144000 cm^3

C. 16000 cm^3 D. 1600 cm^3

43. What is the value of the reflex angle marked p in the following triangle?



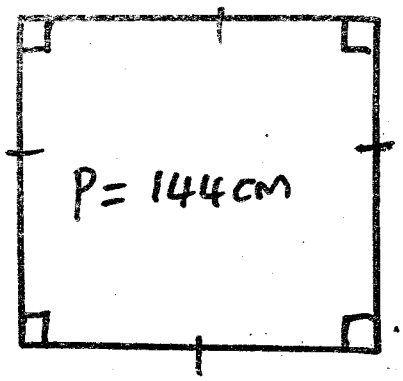
A. 120^0
B. 300^0
C. 220^0
D. 240^0

44. Which one of the following statements is **wrong**?
A. The sum of the interior angles of a triangle is 180^0
B. Supplementary angles add upto 90^0
C. A right angle triangle has two lines that are perpendicular
D. An obtuse angle is less than a reflex angle

45. What is the value of
$3\ ^1/_2 \times 2^3/_4 \times\ ^1/_8$
A. $2^{13}/_{22}$
B. $1^{13}/_{64}$
C. $^{77}/_{64}$
D. $3^2/_7$

46. What is 3.2 as a percentage
A. 32%
B. 3.2%
C. 320%
D. 0.032%

47. The perimeter of the figure shown below is 144 cm. What is its area?



A. 136 cm^2
B. 144 cm^2
C. 1296 cm^2
D. 142 cm^2

48. Simplify the equation
$2(2x + 3y + 4) + 3(4x + 4y + 3)$
A. $16x + 8y + 1$
B. $16x + 12y + 17$
C. $6x + 12y + 8$
D. $12x + 16y + 9$

49. The sides of a rectagle are (4y+1)cm and (3y + 2)cm. What is its perimeters
A. (12y + 4)cm
B. (16y + 6) cm
C. (8y + 8) cm
D. (14y + 2) cm

50. What is the next pattern in the series below?

a b **d a** **c d**
d c **c b** **b a** _____

A. b c
a d

B. a b
d c

C. b d
c a

D. b a
c d