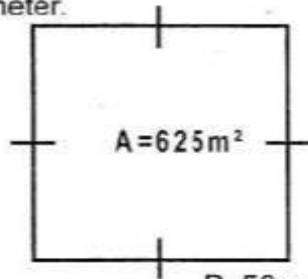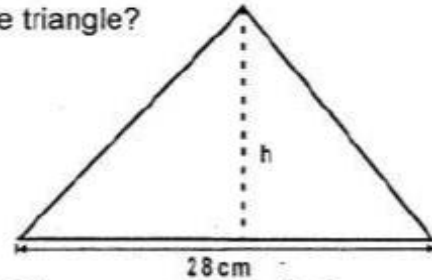# STANDARD SIX MID TERM TWO EXAM
2018 MATHEMATICS

1. Which one of the following numbers is **six hundred and six thousand four hundred and sixty two** in symbols?
   A. 606426   B. 660462
   C. 666462   D. 606462

2. What answer do you get when you add square of **11** and square root of **169**?
   A. 134   B. 121
   C. 290   D. 180

3. A teacher divided some books to his **35** pupils in a class. Each pupil got **12** books and the teacher was left with **9** books. How many books in total did the teacher have?
   A. 420 books   B. 429 books
   C. 411 books   D. 327 books

4. What is the total value of digit **7** in the numbers **25.3742**?
   A. Hundredths   B. 0.007
   C. 0.07   D. 25.0700

5. The area of the square below is **625m²**. Find its perimeter.

   $A = 625m^2$

   A. 25m   B. 50m
   C. 75m   D. 100m

6. Round off **99789** to the nearest thousands.
   A. 99000   B. 99900
   C. 100000   D. 10000

7. What do you get when you add $\frac{1}{8}$ to the sum of $\frac{3}{4}$ and $\frac{2}{3}$?

   A. $2\frac{1}{2}$ B. $13\frac{1}{24}$

   C. $1\frac{7}{24}$ D. $1\frac{13}{24}$

8. Work out: **407 x 3672=**
   A. 1494504
   B. 1504504
   C. 1494404
   D. 1495504

9. A grocer bought **1792** bananas. She arranged them in piles of **16** bananas each. How many piles did she obtain?
   A. 1012   B. 112
   C. 1776   D. 16

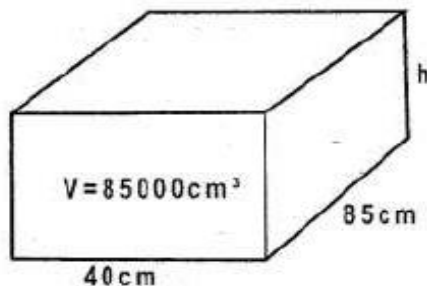10. The area of the triangle below is **168cm²**. The base line is **28cm**. Find the height of the triangle?

    h

    28 cm

    A. 24cm   B. 6cm
    C. 12cm   D. 18cm

11. Work out: $\frac{3}{4} - \frac{1}{6} - \frac{1}{12} =$

    A. $\frac{6}{12}$ B. $\frac{1}{2}$

    C. $\frac{1}{4}$ D. $\frac{1}{3}$

12. Which of the numbers below is divisible by both **8** and **6**?
    A. 6232   B. 7404
    C. 4752   D. 3896

13. Find the value of $3^2 + \sqrt{361} - 5^2$
    A. 3   B. 6
    C. 9   D. 15

14. Which is the least number that can be divided by **12, 18** and **20** without a remainder?
    A. 2   B. 60
    C. 90   D. 180

15. What is the sum of **69988** and **58899**?
    A. 129997   B. 128887
    C. 128987   D. 118889

16. The volume of the cuboid below is **85000cm³**. Length and width are given. Find the height in metres.

$V=85000cm^3$
85cm
40cm

    A. 25m   B. 5m
    C. 50m   D. 0.25m

17. What is the sum of the next two numbers in the pattern
    5, 8, 14, 26, 50, _____, _____
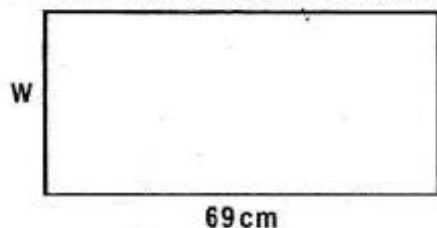   A. 98   B. 194
    C. 172   D. 292

18. In a certain school of **850** pupils, **60%** are girls. How many boys are in that school?
    A. 340   B. 510
    C. 440   D. 240

19. In a forest trees were planted in rows. There were **2504** rows each with an average of **57** trees. How many trees were planted altogether?
    A. 142728   B. 152728
    C. 43   D. 44

20. The perimeter of the rectangle below is **234cm**. If the length is **69**, find its width.
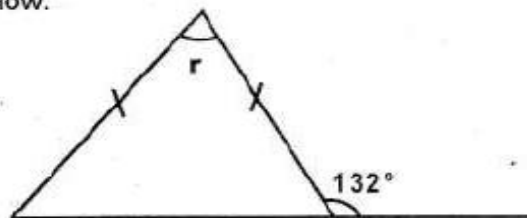

W
69cm

    A. 96cm   B. 24cm
    C. 48cm   D. 82.5cm

21. What is the value of x in equation.
    3x - 2 + 4 - x=6
    A. 2   B. 3
    C. 4   D. 5

22. Find the value of the angle marked r in figure below.

r
132°

    A. 48°   B. 42°
    C. 84°   D. 96°

23. Work out: **12.378 + 18 + 0.01**
    A. 12.406
    B. 3C.578
    C. 12.568
    D. 30.388

24. What is the value of $4\frac{1}{12} + 1\frac{3}{4} + 5\frac{3}{8} =$
    A. $11\frac{5}{12}$ B. $11\frac{5}{24}$
    C. $10\frac{5}{12}$ D. $11\frac{7}{12}$

25. Construct triangle **ABC**, where line **AB=BC=CA=5.5cm**.
    What is the name of the triangle drawn?
    A. Scalene triangle
    B. Right angled triangle
    C. Equilateral triangle
    D. Isosceles triangle

26. Subtract the sum of $\frac{1}{12}$ and $\frac{1}{6}$ from $\frac{5}{6}$.
    A. $\frac{1}{12}$ B. $\frac{5}{12}$
    C. $\frac{1}{2}$ D. $\frac{7}{12}$

27. How many $\frac{3}{4}$ kg packets of flour are required to fill a bucket of **12kg**?
    A. 24   B. 16
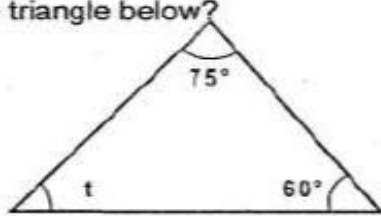   C. 18   D. 9

28. How many minutes are there in three days?
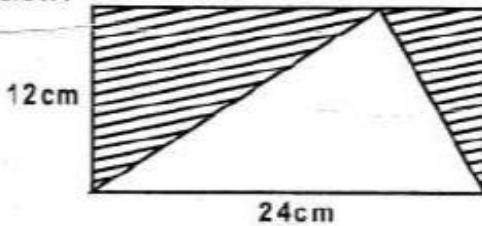   A. 24   B. 4320
    C. 1440   D. 3600

29. How many metres and centimetres are there in **5040mm**?
    A. 5m 40cm   B. 5m 4cm
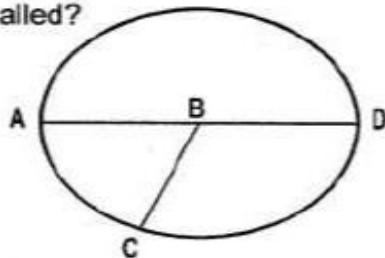   C. 50m 4cm   D. 50m 40cm

30. What is the value of the angle marked t in the triangle below?

A. 45°   B. 125°
C. 55°   D. 135°

31. What is **240%** in decimals.
 A. 24.0   B. 0.24
 C. 2.4   D. 0.024

32. **Work out: 534 x 75.**
 A. 40050   B. 5356
 C. 45050   D. 40005

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

A. 288cm²   B. 72cm²
C. 144cm²   D. 216cm²

34. What is **XLIV** in numerals?
 A. 49   B. 47
 C. 44   D. 46

35. What is the place value of digit zero in the numbers **65.207**?
 A. Tenths   B. Zero
 C. Hundredths   D. Hundreds

36. Which is the number before **1999**?
 A. 1989   B. 1998
 C. 2000   D. 1988

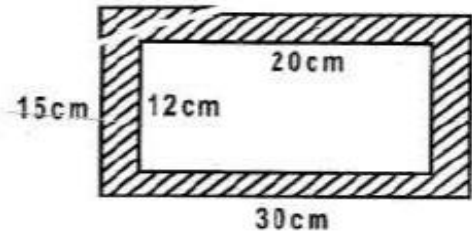37. The figure below shows a circle. The line BC is called?

A. Circumference B. Diameter
C. Radius   D. Intersection

38. Alice bought the following items from a shop.
 2kg packets of flour at sh. 128.
 2¹/₂kg of rice @ sh. 80.
 2 Packets of tea leaves for sh. 125.
 4 pens each sh. 15.
 How much money did she pay for the items?
 A. sh. 641   B. sh. 766
 C. sh. 513   D. sh. 638

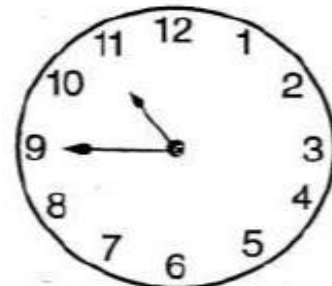39. Calculate the area of the shaded region in the figure below.

A. 210cm²   B. 450cm²
C. 240cm²   D. 690cm²

40. **Work out:**

Km	m	cm
7	4	4
- 3	840	92

A. 3km 164m 12cm
B. 3km 163m 12cm
C. 4km 163m 12cm
D. 4km 837m 88cm

41. A 2¹/₂hrs meeting started in the morning at the time shown. At what time did the meeting end?

A. Quarter to eleven o'clock.
B. Quarter past one o'clock.
C. Half past one o'clock.
D. Quarter to one o'clock.

42. Convert $3\frac{1}{8}$ into improper fraction.

A. $\frac{8}{25}$ B. $8\frac{1}{3}$

C. $\frac{25}{8}$ D. $1\frac{3}{8}$

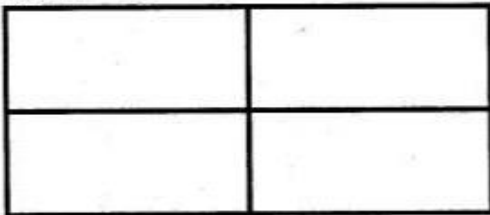43. What is the sum of the prime numbers between 40 and 50?

A. 131   B. 84
C. 129   D. 180

44. Work out:

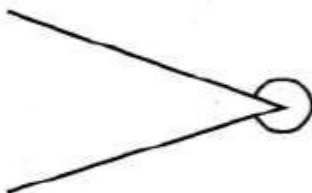| Weeks	days
5	1
-2	6

A. 2wks 2days
B. 3wks 2days
C. 2wks 4days
D. 2wks 5days

45. How many rectangles are there in the figure below?

A. 4   B. 6
C. 7   D. 9

46. The angle drawn below is called_____

A. Acute angle   B. Right angle
C. Obtuse angle   D. Reflex angle

47. Kamau is 68cm taller that Jane. If Jane is 1m 25cm tall, how tall is Kamau?

A. 1m 93cm
B. 57cm
C. 1m 43cm
D. 1m 57cm

48. Work out: 300 - 49.99=
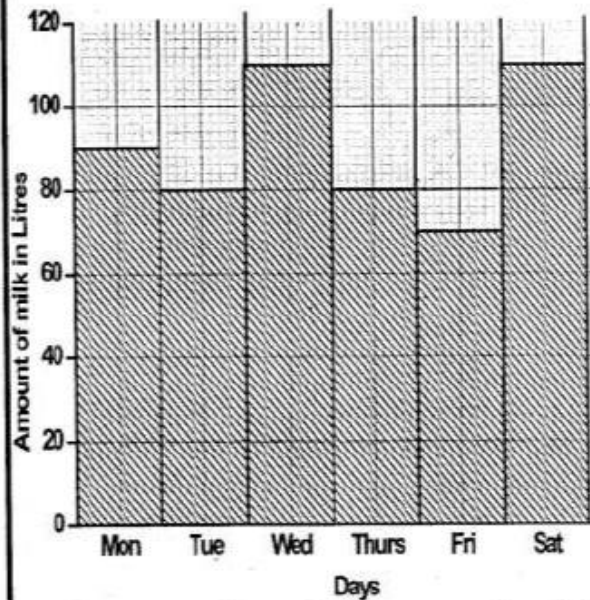
A. 251.11   B. 249.01
C. 250.01   D. 250.91

49. The table below shows part of inland postal charges for small parcels.

Parcels	Charges	
	sh	cts
Not over 50g	18	00
Not over 100g	25	00
Not over 200g	40	00
Not over 500g	100	00
Not over 1kg	210	00

Munene sent two parcels, one weighing 200g and the other one 700g. How much did he pay as the charges?

A. sh. 40.00   B. sh. 250.00
C. sh. 210.00   D. sh. 310.00

50. The graph below shows the amount of milk produced by a farmer in one week.

How many litres of milk were produced in the first five days of the week?

A. 540L   B. 440L
C. 420L   D. 430L