42. Find the volume of the figure below.
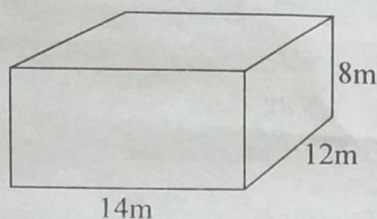

A. 96m³

B. 844m³

C. 1344m²

D. 1244m³

43. Round off to the nearest one decimal point
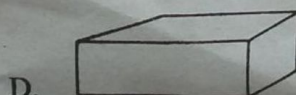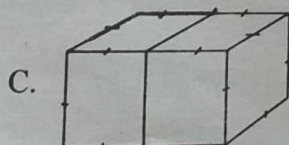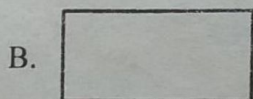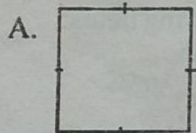
63.391

A. 63.3

B. 63.9

C. 63.2

D. 63.4

44. Find the square root of 64.

A. 8

B. 16

C. 128

D. 32

45. Kamau arrived home $3\frac{1}{2}$ hours after midday. What time was it in p.m./a.m?

A. 3.30a.m.

B. 3.00p.m.

C. 3.30p.m.

D. 2.30p.m.

46. Which one of the following is a cube?

A.

B.

C.

D.

47. Convert to an improper fraction $6\frac{1}{6}$

A. $\frac{61}{6}$

B. $\frac{16}{6}$

C. $\frac{36}{6}$

D. $\frac{37}{6}$

Use the table below to answer the questions that follow.

Day of the week	Mon	Tue	Wed	Thurs	Fri
No. of pupils present	34	36	35	33	35

48. How many pupils were present on Thursday.
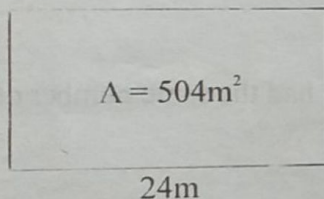
A. 33

B. 34

C. 35

D. 36

49. Which day had the same number of pupils present?

A. Monday and Friday

B. Wednesday and Friday

C. Monday and Thursday

D. Wednesday and Thursday

50. How many pupils were present in the whole week?
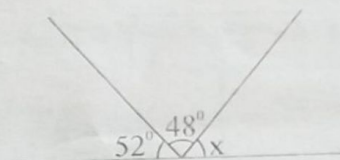
A. 70

B. 140

C. 173

D. 34

28. What the value of 16^2?

A. 4   B. 64

C. 256   D. 156

29. Round off to the nearest thousands 49678.

A. 50000   B. 500

C. 4900   D. 6000

30. Convert 48000m into kilometres.

A. 480km   B. 48km

C. 4.8km   D. 0.48km

31. Multiply $4.62 \times 100 =$

A. 46200   B. 4620

C. 462   D. 46.2

32. The area of the rectangle below is $504m^2$. What is its perimeter if its length is 24m?

$$A = 504m^2$$

24m

A. 80m   B. 48m

C. 480m   D. 90m

33. How many kilograms are there in 64 quarter kgs?

A. 128kg   B. 16kg

C. 32kg   D. 256kg

34. Convert 4.32kg into grams.

A. 432g   B. 43.2g

C. 4320g   D. 43200g

35. How many minutes are there in 480 seconds.

A. 8mins   B. 12mins

C. 48mins   D. 60mins

36. Find the angle marked x.

A. 100^0 B. 80^0

C. 90^0 D. 40^0

37. How many years are there in 78 months.

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

C. $8\frac{1}{2}$ years   D. $5\frac{1}{2}$ years

38. On a map 8m were represented by 2m. How many m will be represented by 8m?

A. 64m   B. 16m

C. 4m   D. 32m

39. How many days were in January, February and March in the year 2016?

A. 91 days

B. 90 days

C. 92 days

D. 89 days

40. Fatuma bought the following items:

a kg of rice at shs. 70.00

a kg of sugar at shs. 90.00

2 loaves of bread each at shs. 50.00

How much did she pay for the items.

A. shs. 160

B. shs. 210

C. shs. 250

D. shs. 260

41. What is used to measure angles?

A. Protractor

B. A straight ruler

C. Set square

D. A compass

15. Simplify: $\frac{54}{72}$

A. $\frac{27}{36}$
B. $\frac{3}{4}$

C. $\frac{9}{12}$
D. $\frac{5}{7}$

16. Convert into a mixed fraction $\frac{73}{7}$

A. $1\frac{3}{7}$
B. $7\frac{3}{7}$

C. $3\frac{3}{7}$
D. $10\frac{3}{7}$

17. Which one of the following is a proper fraction?

A. $3\frac{7}{10}$
B. $\frac{2}{5}$

C. $\frac{19}{5}$
D. $\frac{16}{9}$
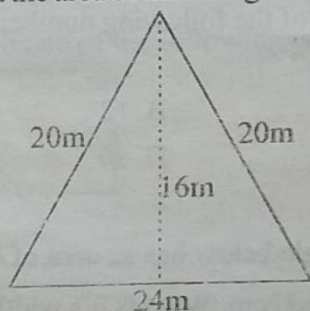
18. Convert into fraction 0.013.

A. $\frac{13}{1000}$
B. $\frac{13}{100}$

C. $\frac{13}{10}$
D. $\frac{1.3}{1000}$

19. Find the area of the triangle below.

20m   20m
16m
24m

A. 384m²
B. 480m²

C. 192m²
D. 240m²

20. Add: $\frac{3}{5}+\frac{3}{4}=$

A. $1\frac{7}{20}$
B. $\frac{6}{9}$

C. $\frac{6}{20}$
D. $\frac{27}{20}$

21. Multiply $4\frac{3}{4} \times 16 =$

A. 19
B. 76

C. 38
D. $\frac{19}{4}$

22. What is the place value of digit 3 in 461.9234?

A. Hundredth
B. Tenth

C. Thousandth
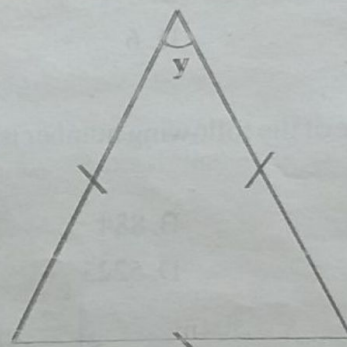D. Ten thousandth

23. Convert into decimal $4\frac{3}{4}$

A. 3.4
B. 4.34

C. 4.43
D. 4.75

24. Find the value of y?

y

A. 60°
B. 180°

C. 90°
D. 120°

25. Simplify 4a + 3p –3a + 2p =

A. 7a + 55p
B. 7a + 3p

C. a + 5p
D. a – 5p

26. Find the value of y in 3y + 9 = 18?

A. 9
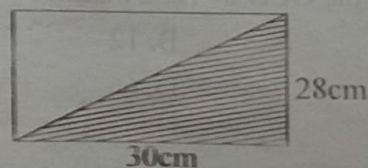B. 3

C. 6
D. 27

27. Find the area of the shaded part in the following figure.

28cm
30cm

A. 116cm²
B. 840cm²

C. 560cm²
D. 420cm²

TARGETER WINGS STANDARD SIX - YEAR 2020
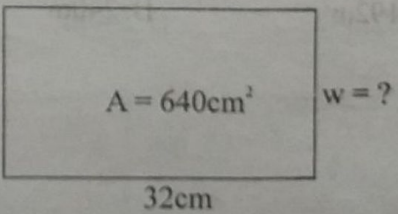## CONTINUOUS ASSESSMENT TEST
MATHEMATICS

Wings
002

TIME: 2 hours

1. Write one million one thousand and one in figures.
   A. 101001
   B. 1001001
   C. 100101
   D. 10001001

2. Which digit is in ten thousands place value in 9876521?
   A. 9
   B. 5
   C. 7
   D. 6

3. Which one of the following number is divisible by 4?
   A. 962
   B. 884
   C. 6401
   D. 5223

4. Write in roman 46.
   A. XLVI
   B. XLIV
   C. XXXXVI
   D. LXVI

5. What is the sum of roman numbers LXX and LXXX?
   A. 180
   B. 160
   C. 150
   D. 250

6. What is the missing digit in $\dfrac{5}{6} = \dfrac{15}{?}$?
   A. 18
   B. 24
   C. 20
   D. 10

7. What is the GCD of 18, 24 and 36?
   A. 72
   B. 12
   C. 3
   D. 6

8. Which one of the following is a prime number?
   A. 51
   B. 23
   C. 49
   D. 57

9. What is the LCM of 8, 12 and 15?
   A. 2
   B. 6
   C. 60
   D. 120

10. What number should be multiplied by 92 to get 9200?
    A. 10
    B. 100
    C. 1000
    D. 00

11. Multiply: 932 x 21 =
    A. 19572
    B. 18572
    C. 2796
    D. 953

12. Which one of the following is an odd number.
    A. 960
    B. 482
    C. 521
    D. 958

13. Which one of the following number is a factor of 96?
    A. 18
    B. 12
    C. 30
    D. 46

14. The rectangle below has an area of 640cm². If its length is 32cm. What is it's width?

    A = 640cm²   w = ?

    32cm

    A. 106cm
    B. 64cm
    C. 20cm
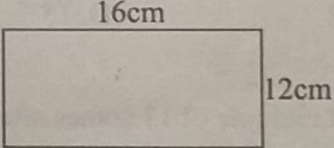   D. 40cm

TARGETER WINGS STANDARD SIX - YEAR 2020
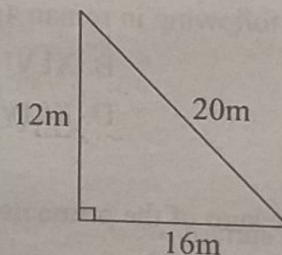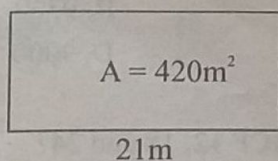## CONTINUOUS ASSESSMENT TEST
MATHEMATICS

Wings 001

TIME: 2 hours

1. Write the following number in figures seven hundred and eighty nine thousand, six hundred and forty two.
   A. 79642
   B. 789642
   C. 7809642
   D. 78962

2. Which digit is in ten thousands place value in 975,301?
   A. 7
   B. 3
   C. 9
   D. 0

3. What is the total value of digit two in 423,614?
   A. 200
   B. 2000
   C. 20,000
   D. 200,000

4. Which of the following digits is divisible by three?
   A. 8002
   B. 9040
   C. 4201
   D. 6036

5. Which of the following numbers comes just before 98,999?
   A. 98998
   B. 99000
   C. 98989
   D. 99990

6. Write the following in roman 46.
   A. LXVI
   B. XLVI
   C. LIV
   D. XLIV

7. What's the sum of the prime numbers between 40 and 50?
   A. 84
   B. 90
   C. 131
   D. 126

8. Round off the following number to the nearest tenth. 467
   A. 460
   B. 500
   C. 450
   D. 470

9. What is the prime product of 72?
   A. 9 x 8
   B. 4 x 2 x 9
   C. 12 x 3 x 2
   D. 2 x 2 x 2 x 3 x 3

10. Which one of the following is not a prime number?
    A. 15
    B. 2
    C. 7
    D. 23

11. Write in hindu arabic XXXIX.
    A. 29
    B. 31
    C. 39
    D. 49

12. What is the perimeter of the figure below?

    16cm

    12cm

    A. 72cm
    B. 56cm
    C. 48cm
    D. 24cm

13. Round off the following to the nearest hundreds 9642.
    A. 9600
    B. 9700
    C. 9640
    D. 9000

14. What is HCF 12, 18 and 24?
    A. 72
    B. 36
    C. 3
    D. 6

15. What is the LCM of 6, 15, 12?

A. 3   B. 60

C. 30   D. 120

16. What is the place value of digit 8 in 987,391?

A. Thousands   B. Hundred thousands

C. Ten thousands   D. Tens

17. Write the following number in fraction, 0.07.

A. $\dfrac{7}{100}$ B. $\dfrac{7}{10}$

C. $\dfrac{70}{100}$ D. $\dfrac{0.7}{10}$

18. Multiply 96 x 100 =

A. 960   B. 96000

C. 9600   D. 961

19. Which one of the following is an even number?

A. 47   B. 96

C. 81   D. 79

20. Which one of the following is **not** a factor of 48?

A. 4   B. 6

C. 12   D. 13

21. What multiple of 13 comes after 169?

A. 182   B. 196

C. 143   D. 170

22. The area of the figure below is 420m² its length 21m. What is its width?

A = 420m²

21m

A. 398m   B. 441m

C. 40m   D. 20m

23. What is the place value of digit 5 in 42.052? –

A. Tens   B. Hundredths

C. Hundredths   D. Tenth

24. What is the next number in the pattern?

23, 29, 31, 37, ___

A. 39   B. 43

C. 41   D. 35

25. Simplify $\dfrac{18}{24}$

A. $\dfrac{3}{4}$ B. $\dfrac{9}{12}$

C. $\dfrac{6}{8}$ D. $\dfrac{12}{24}$

26. Write as decimal $\dfrac{15}{100}$

A. 15   B. 0.15

C. 0.015   D. 15.100

27. Add $\dfrac{2}{11} + \dfrac{3}{11} + \dfrac{5}{11} =$

A. $\dfrac{8}{11}$ B. $\dfrac{5}{11}$

C. 1   D. $\dfrac{10}{11}$

28. Which of the following fractions is equivalent to a whole number?

A. $\dfrac{5}{11}$ B. $\dfrac{6}{7}$

C. $\dfrac{9}{9}$ D. $\dfrac{10}{11}$

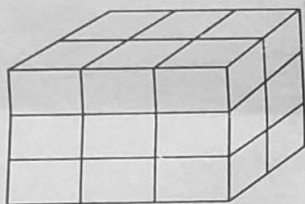**29.** What is the area of the figure below?

12m   20m

16m

A. 320m²   B. 160m²

C. 192m²   D. 96m²

30. Which of the following number is divisible by 2, 5 and 10?

A. 15 B. 28

C. 40 D. 56

31. Which of the following fractions is the smallest?

A. $\dfrac{2}{5}$ B. $\dfrac{2}{3}$

C. $\dfrac{2}{7}$ D. $\dfrac{1}{3}$

32. Add: $\dfrac{2}{5} + \dfrac{1}{4} =$

A. $\dfrac{3}{5}$ B. $\dfrac{3}{9}$

C. $\dfrac{3}{30}$ D. $\dfrac{13}{20}$

33. How many cubes make up the stalk.
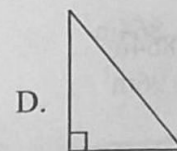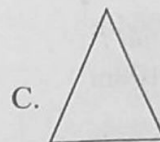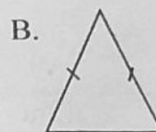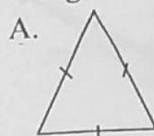

A. 6 B. 9

C. 24 D. 18

34. Convert to an improper fraction $3\dfrac{4}{5}$

A. $\dfrac{19}{5}$ B. $\dfrac{34}{5}$

C. $\dfrac{19}{9}$ D. $\dfrac{13}{5}$

35. Convert into mixed fraction $\dfrac{24}{5}$

A. $2\dfrac{4}{5}$ B. $4\dfrac{4}{5}$

C. $4\dfrac{5}{4}$ D. $5\dfrac{4}{5}$

36. Simplify $2a + 3b + 4a + 5b =$

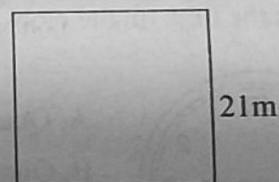A. $6a + 5b$ B. $6a + 3b$

C. $6a + 8b$ D. $7a + 8b$

37. What is the value of $2y + 2 = 10$

A. 12 B. 4

C. 6 D. 8

38. Which one of the following is an equilateral triangle?

A.   B.

C.   D.

39. Add: $2\dfrac{1}{5} + 3\dfrac{3}{5} =$

A. $4\dfrac{3}{5}$ B. $5\dfrac{1}{5}$

C. $5\dfrac{4}{5}$ D. 5

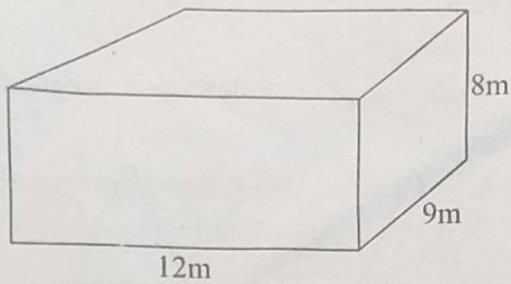**40.** What is the area of a square whose length is 21m?

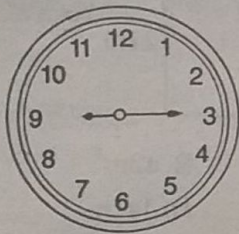A. $84m^2$ B. $42m^2$

C. $421m^2$ D. $441m^2$

41. How many metres and kilometres are there in 4241m?

A. 42km 4m

B. 424km/m

C. 4km 241m

D. 4km 41m

42. Convert into cm 42m.

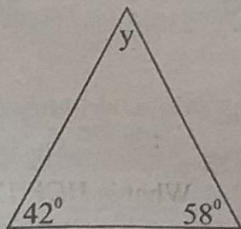A. 4200cm B. 420cm

C. 42cm D. 42000cm

3

THEMATICS STD. 6

TW - 001

43. Find the volume of the cuboid below.

A. 864m²

B. 864m³

C. 96m³

D. 108m³

44. How many litres are there in 84000ml?

A. 84L

B. 840L

C. 8400L

D. 8.4L

45. How many $\frac{1}{4}$ kg are there in 24kg.

A. 6

B. 96

C. 48

D. 12

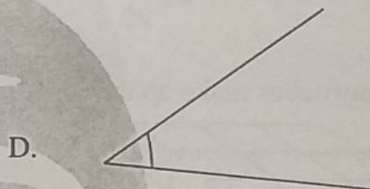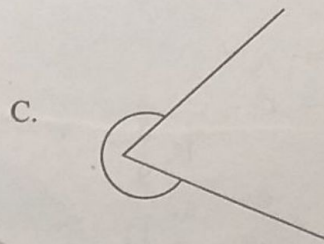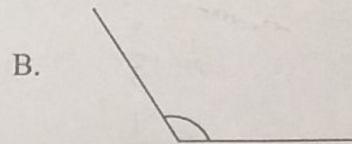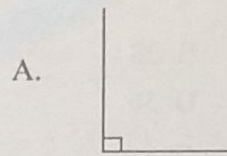**46.** What is the time on the clock face below?

A. Quarter past 9

B. Quarter to 3

C. 3min past 9

D. 45min past 2

47. Find the angle marked y.

A. 100⁰

B. 80⁰

C. 138⁰

D. 180⁰

48. Which of the following angle is less than 90⁰?

A.

B.

C.

D.

49. What is the missing number in the pattern
11, 13, 17, 19, 23, _____?

A. 25

B. 29

C. 27

D. 21

50. What is the value of
43.96 + 324.21 + 0.86 = ?

A. 369.03

B. 368.17

C. 68.17

D. 367.03

41. What is $6\frac{3}{4}$ in improper fraction?

A. $\frac{4}{27}$

B. $\frac{27}{4}$

C. $\frac{27}{3}$

D. $3\frac{6}{4}$
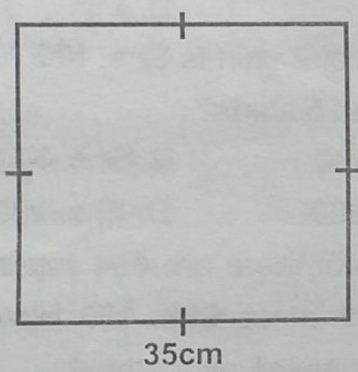
42. Which symbol makes the statement below correct?

$\frac{1}{2}$ of 120 _____ 60

A. >

B. <

C. =

D. ≤

43. Karim arranged the digits 7, 3, 5 to form the number with the smallest value. Which number did he form?

A. 375

B. 537

C. 753

D. 357

44. What is twice the perimeter of the square below?

35cm

A. 140cm

B. 280cm

C. 70cm

D. 1225cm

45. A mother shared 45 sweets among her 6 children equally. How many sweets remained?

A. 7

B. 6

C. 3

D. 10
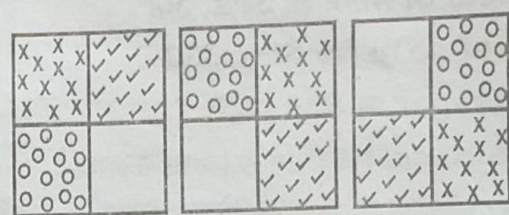
46. What is the square of $4\frac{1}{3}$?

A. $\frac{169}{130}$

B. $\frac{9}{169}$

C. $18\frac{7}{9}$

D. $16\frac{1}{9}$

47. What is 3.45 as a percentage?

A. 345%

B. 0.0345%

C. 34.5%

D. 3450%

48. What is the next shape in the pattern below?
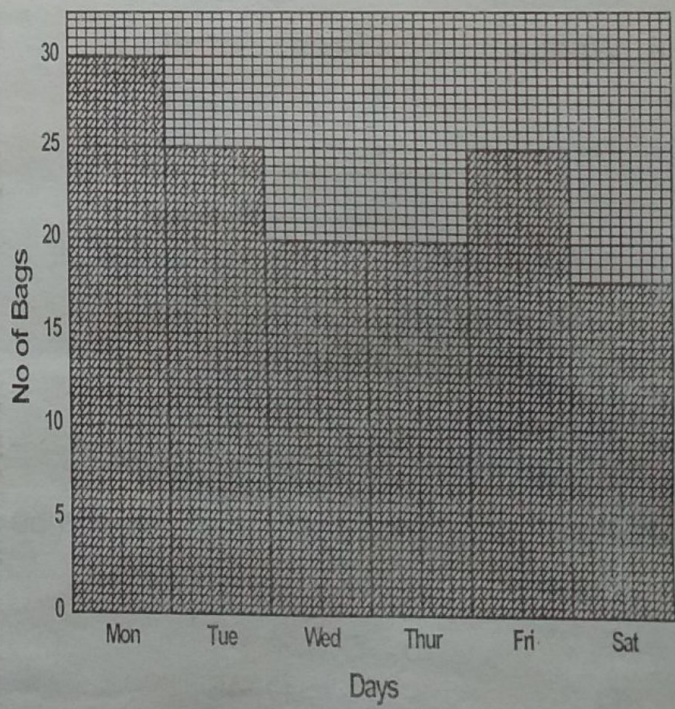

A.

B.

C.

D.

49. How many kilograms are in $3\frac{1}{4}$ tonnes?

A. 37.5

B. 375

C. 37500

D. 3750

50. The graph below shows the amount of rice sold by a farmer in one week.

How many bags of rice were sold in the last 4 days of the week?

A. 65

B. 80

C. 90
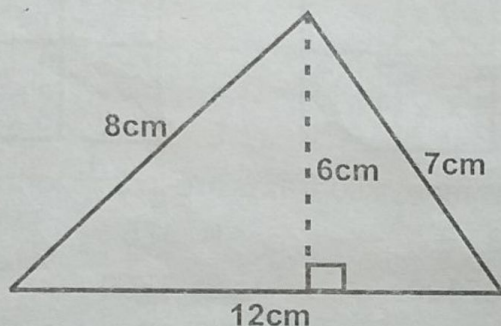
D. 83

27. Eben bought the following items from a shop:

   2 packets of milk at Shs. 50.

   3 bars of soap for Shs. 330.

   1kg of sugar at Shs. 120.

   How much did he pay for the items?

   A. Shs. 1210   B. Shs. 880

   C. Shs. 550   D. Shs. 650

28. What is the reciprocal of $4\frac{1}{5}$?

   A. $\frac{21}{4}$ B. $\frac{5}{21}$

   C. $\frac{21}{5}$ D. $5\frac{1}{4}$
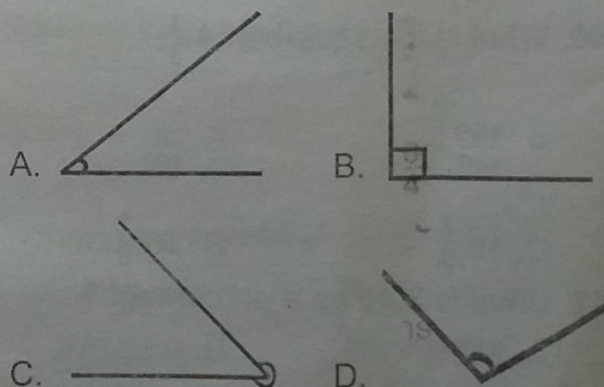
29. What is the area of the triangle below?

   8cm
   6cm   7cm
   12cm

   A. 36cm²   B. 72cm²

   C. 48cm²   D. 42cm²

30. Work out:

Litres	dl
5	8
x	12

   A. 69 litres 9dl   B. 60 litres 60dl

   C. 60 litres 96dl   D. 69 litres 6dl

31. Add: **565.73 + 4.99 + 0.137**

   A. 570.857   B. 570.757

   C. 569.857   D. 570.847

32. How many $\frac{3}{4}$kg packets of rice can be obtained from **36kg** bag of rice?

   A. 27   B. 24

   C. 36   D. 48

33. What is **75%** into decimal?

   A. 7.5   B. 0.075

   C. 0.75   D. 75.00

34. Arrange the fraction $\frac{1}{2}$, $\frac{2}{3}$, $\frac{1}{7}$ and $\frac{3}{4}$ from the largest to the smallest?

   A. $\frac{1}{2}$, $\frac{1}{7}$, $\frac{2}{3}$, $\frac{3}{4}$

   B. $\frac{3}{4}$, $\frac{2}{3}$, $\frac{1}{2}$, $\frac{1}{7}$

   C. $\frac{1}{7}$, $\frac{1}{2}$, $\frac{2}{3}$, $\frac{3}{4}$

   D. $\frac{2}{3}$, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{1}{7}$

35. How many groups of **100** are in the total value of digit **7** in the number **547839**?

   A. 7   B. 700

   C. 70   D. 7000

36. Work out: $6\frac{1}{8} \div 3\frac{1}{2} =$

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

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

37. The cost of **2** shirt is **Shs. 800**, What is the cost of **5** shirts?

   A. Shs. 400   B. Shs. 4000

   C. Sh. 1200   D. Shs. 2000

38. In a school there are **654** pupils, each pupil contributes **Shs. 150**. How much was contributed altogether?

   A. Shs. 98100   B. Shs. 98000

   C. Shs. 98010   D. Shs. 99100

39. Convert **108km 48m** into metres.

   A. 10848   B. 108408

   C. 108048   D. 15600

40. Which angle is a reflex below?
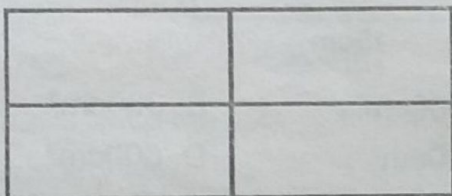
   A.   B.

   C.   D.

13. Roy sold a machine for **Sh. 12000** making a profit of **Sh. 2500**. How much had he bought the machine?

A. Shs. 14500   B. Shs. 13500

C. Shs. 9500   D. Shs. 12500

14. In a farm there are **75** cows and goats together. $\frac{3}{5}$ of the animals are goats and the rest cows. How many cows are there in the farm?

A. 45   B. 30

C. 15   D. 60

15. How many rectangles are in the figure below?

A. 7   B. 8

C. 9   D. 10

16. What is **46** in Roman numbers?

A. XXXXVI   B. XLIV

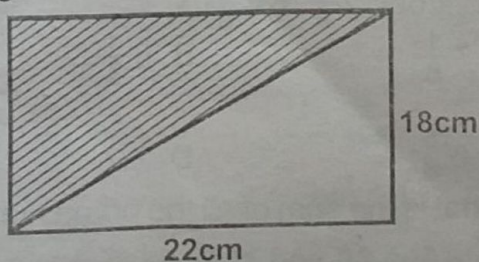C. XXLVI   D. XLVI

17. What is $\frac{7}{8}$ in decimals?

A. 0.85   B. 0.873

C. 0.875   D. 1.142

18. Work out: $2\frac{2}{5} \times 1\frac{7}{24}$

A. $1\frac{3}{10}$ B. $2\frac{9}{65}$

C. $3\frac{1}{4}$ D. $3\frac{1}{10}$

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

A. 396cm²   B. 198cm²

C. 40cm²   D. 80cm²

20. What is the value of **x** in the equation?

$2x - 5 = x + 2$

A. 5   B. 7

C. 3   D. 6

21. What is the square root of $6\frac{1}{4}$?

A. $2\frac{1}{2}$ B. $3\frac{1}{2}$
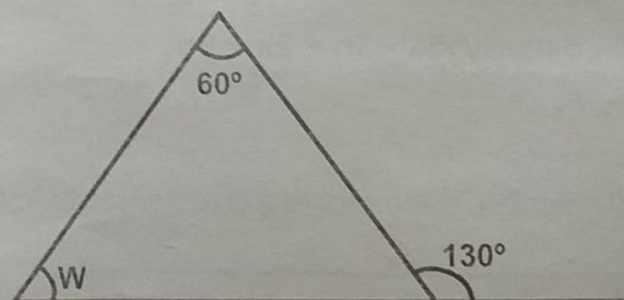
C. $2\frac{1}{4}$ D. $36\frac{1}{36}$

22. Tembo left home for market at **6:40am** and arrived at the market at **8:20am**. How long did he take to arrive at the market?

A. 1 hour 20 minutes

B. 2 hours 40 minutes

C. 1 hour 40 minutes

D. 40 minutes

23. What is **25%** of **480**?

A. 120   B. 360

C. 600   D. 240

24. What is the measure of angle marked **W** in the figure below?

A. 60°   B. 50°

C. 110°   D. 70°

25. Divide: **1.4 ÷ 0.07 =**

A. 2   B. 20

C. 0.2   D. 200

26. Which number below is divisible by 8

A. 390

B. 6318

C. 7664

D. 782

② - 45 copies

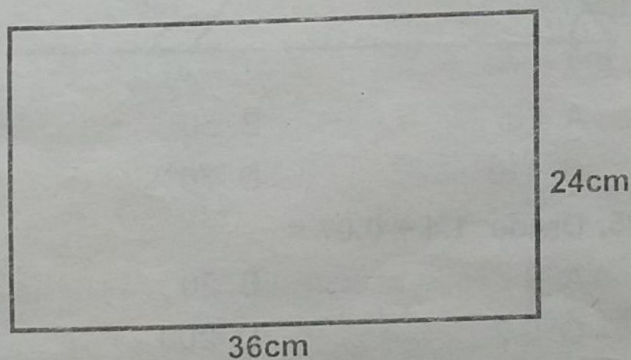# DISTINCTION SCHOOL BASED ASSESSMENT TEST
STANDARD SIX - 2020
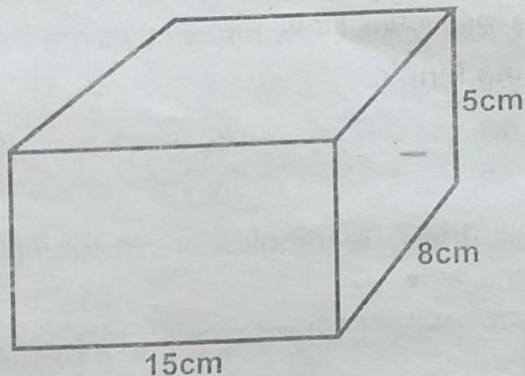## MATHEMATICS

6

PREMIER

Time: 2Hrs

1. What is **four hundred and twenty six thousand two hundred and two** in figures?

   A. 426202
   B. 402622
   C. 402622
   D. 402602

2. What is the total value of digit **5** in the number **6.452**?

   A. Hundredths
   B. 0.005
   C. 0.05
   D. 0.5

3. Divide: $13\overline{)11791}$

   A. 97
   B. 907
   C. 9007
   D. 197

4. What is the next number in the pattern?

   41, 37, 31, 29, _____

   A. 23
   B. 27
   C. 21
   D. 25

5. Simplify: **5k - 3n + 2k + 6n**

   A. 7k + 9n
   B. 7k - 3n
   C. 7k - 9n
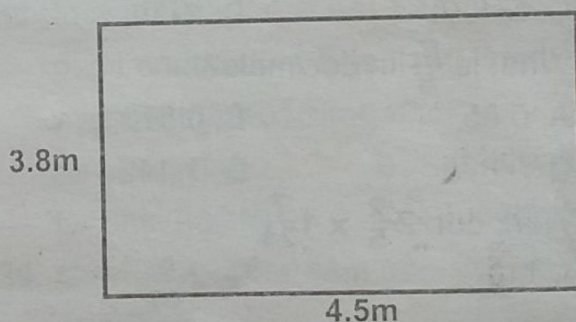   D. 7k + 3n

6. Find the perimeter of the rectangle below.

   24cm
   36cm

   A. 60cm
   B. 120cm
   C. 864cm
   D. 432cm

7. Round off **49.895** into **2** decimal places?

   A. 49.89
   B. 49.90
   C. 50.00
   D. 49.9

8. What is the volume of the cuboid below?

   5cm
   8cm
   15cm

   A. 6000cm³
   B. 300cm³
   C. 120cm³
   D. 600cm³

9. What is the LCM of **40, 45** and **60**?

   A. 360
   B. 180
   C. 720
   D. 5

10. What is the area of the rectangle below?

    3.8m
    4.5m

    A. 16.6m²
    B. 17.10m²
    C. 171.0m²
    D. 16.10m²

11. Work out: $2\frac{1}{4} + 4\frac{7}{8} =$

    A. $7\frac{1}{8}$
    B. $6\frac{1}{8}$
    C. $6\frac{5}{8}$
    D. 7

12. What is the sum of all the prime numbers between **60** and **70**?

    A. 128
    B. 130
    C. 325
    D. 260