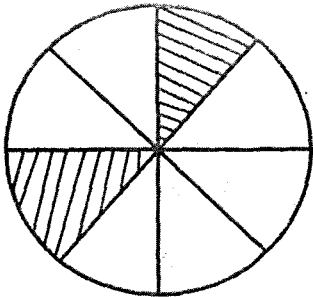
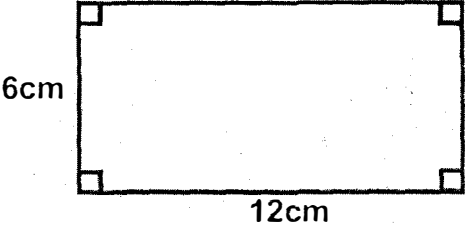


STANDARD SIX - 2020

MATHEMATICS

Time: 2Hrs

1. Which one of the following number is **four hundred and sixteen thousand three hundred and five** in symbols?
A. 415350 B. 416035
C. 461305 D. 416305
2. What is the total value of digit **3** after working out the sum of **4399** and **8701**?
A. 30 B. 3000
C. 30000 D. 300
3. A certain school had **512** pupils. Each pupil was given **12** exercise books. How many books were given out altogether?
A. 6144 B. 5144
C. 7144 D. 524
4. What is the difference between the LCM and GCD of **12**, **36** and **40**?
A. 360 B. 348
C. 336 D. 356
5. What is the fractions of shades part?

A. $\frac{1}{2}$ B. $\frac{1}{4}$
C. $\frac{1}{8}$ D. $\frac{3}{4}$
6. Add $\frac{3}{4}$ to the difference of $3\frac{1}{4}$ and $1\frac{3}{4}$.
A. $2\frac{1}{4}$ B. $3\frac{1}{4}$
C. $2\frac{1}{2}$ D. $2\frac{3}{4}$
7. What is the least possible length of a string that can be cut into equal pieces of **8cm**, **16cm** and **20cm** without a remainder?
A. 4cm B. 44cm
C. 160cm D. 80cm
8. Which number below is not divisible by **8**?
A. 3912 B. 7984
C. 4456 D. 6190
9. Work out: $15^2 + 125 =$
A. 225 B. 350
C. 140 D. 250
10. What is the value of **x** in the equation below? $\frac{2}{5}x - 6 = 14$
A. 10 B. 20
C. 50 D. 8
11. Work out $9367 + 3996$ and round off the answer to the nearest thousand.
A. 13300 B. 14000
C. 13400 D. 13000
12. What is 0.375 in a simple fraction?
A. $\frac{15}{40}$ B. $\frac{7}{8}$
C. $\frac{5}{8}$ D. $\frac{3}{8}$
13. Calculate the perimeter of the figure below.

A. 36cm B. 144cm
C. 108cm D. 72cm

14. Multiply: $7853 \times 597 =$

- A. 468841 B. 3688241
C. 4678241 D. 4688241

15. Which digit in the number **576.3298** is in the thousandths place value?

- A. 2 B. 8
C. 9 D. 5

16. Work out: $8\frac{1}{2} - 10\frac{1}{4} + 6\frac{1}{2} =$

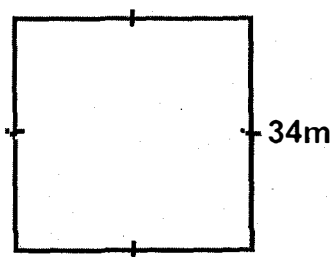
- A. $5\frac{3}{4}$ B. $4\frac{3}{4}$

- C. $8\frac{1}{2}$ D. $12\frac{1}{4}$

17. Work out: $15.395 + 4.7 + 1.78$ to the nearest tenths.

- A. 21.875 B. 21.88
C. 22.0 D. 21.9

18. Calculate the distance round the square below given that its area is **1156m²**.



- A. 136m B. 1156m
C. 68m D. 272m

19. In a class of **56** pupils each was given **5.0dl** of milk each day. How many litres of milk were given in one week?

- A. 140 B. 1400
C. 196 D. 168

20. Which of the fractions below will not form a terminating decimal?

- A. $\frac{3}{8}$ B. $\frac{2}{3}$

- C. $\frac{5}{8}$ D. $\frac{3}{4}$

21. What is the difference between the square of **15** and the square root of **324**?

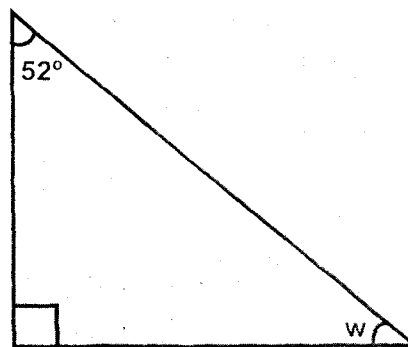
- A. 309 B. 69
C. 207 D. 107

22. Work out: $4\frac{1}{2} \div 6\frac{1}{3} =$

- A. $\frac{27}{38}$ B. $48\frac{1}{2}$

- C. $\frac{9}{17}$ D. $\frac{14}{19}$

23. What is the size of the angle marked **W** in the figure below?



- A. 38° B. 48°
C. 90° D. 28°

24. What is $\frac{5}{8}$ converted into percentage?

- A. 60% B. $62\frac{1}{2}\%$
C. 20% D. 40%

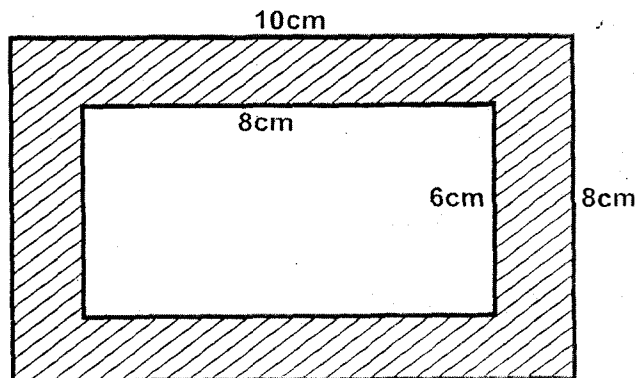
25. How many lessons each taking $\frac{2}{3}$ hours are in **6** hours?

- A. 6 B. 4
C. 9 D. 12

26. What is the next number in the pattern below? **2, 3, 5, 8, 12, 17, _____**

- A. 22 B. 24
C. 23 D. 25

27. What is the area of the unshaded part in the figure below?



- A. 80cm² B. 32cm²
C. 48cm² D. 128cm²

28. Mambo Primary has 1485 pupils, Bidii Primary has 3410 pupils and Shepherd Primary has 2659 pupils. How many pupils are there altogether in these schools?

- A. 6554 B. 7554
C. 6454 D. 7544

29. Multiply: $2.4 \times 0.08 =$

- A. 1.92 B. 0.0192
C. 0.1092 D. 0.192

30. The area of the square below is 144cm^2 .

What is the measures of one side?

- A. 24cm B. 48cm
C. 12cm D. 72cm

31. Divide: $27063 \div 9 =$

- A. 307 B. 37
C. 3007 D. 20007

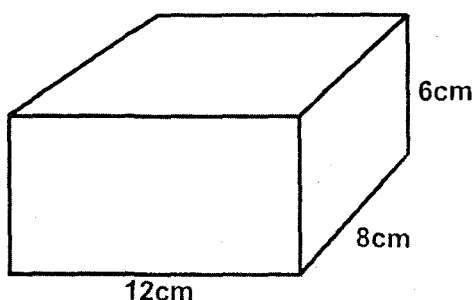
32. Which one of the following statements is correct?

- A. 2 weeks + 5 days = 25 days.
B. $\frac{3}{4}$ of 64 < 25 + 25.
C. $2\frac{1}{2}\text{-kg} = 2050\text{g}$
D. $15 + 50 > 100$

33. What is $\frac{5}{8}$ in decimals?

- A. 0.625 B. 6.25
C. 0.58 D. 0.16

34. What is the volume of the box below?



- A. 676cm^3 B. 576cm^3
C. 476cm^3 D. 26cm^3

35. Lenny is 1.45m tall. He is 0.25m taller than Jeremy. What is their total height?

- A. 2.65m B. 2.9m
C. 3.15m D. 1.7m

36. A packet of tea leaves weights 250g. What is the mass in kg of 50 such packets?

- A. 12500 B. 12.5
C. 125 D. 1.25

37. Simplify: $4(x + 2y) + 2x - 2y =$

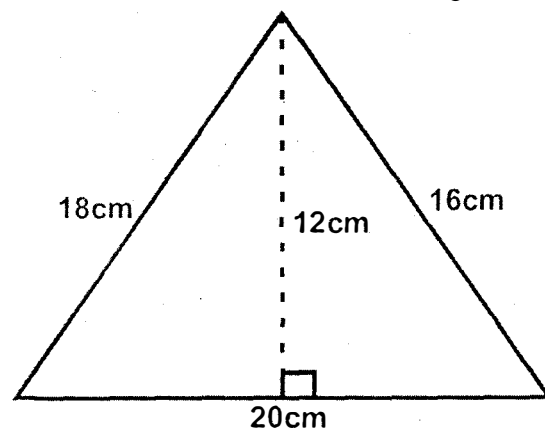
- A. $6x + 10y$ B. $6x - 8y$
C. $6x - 6y$ D. $6x + 6y$

38. What is $\frac{1}{3}$, $\frac{3}{4}$, $\frac{5}{8}$ and $\frac{5}{6}$ arranged from the smallest to the largest?

- A. $\frac{5}{6}$, $\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{3}$ B. $\frac{1}{3}$, $\frac{3}{4}$, $\frac{5}{6}$, $\frac{5}{8}$

- C. $\frac{1}{3}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{5}{6}$ D. $\frac{5}{8}$, $\frac{5}{6}$, $\frac{3}{4}$, $\frac{1}{3}$

39. What is the area of the triangle below?



- A. 160cm^2 B. 240cm^2
C. 180cm^2 D. 120cm^2

40. A farmer harvested 240 bags of wheat. He sold 60% of the bags. How many bags remained?

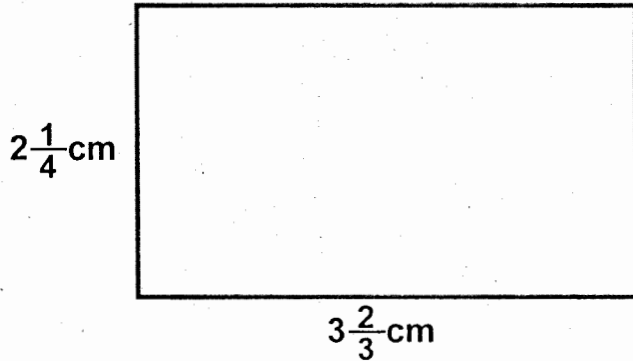
- A. 96 B. 144
C. 48 D. 180

41. How many metres are in 5km 50m?

- A. 550 B. 50050
C. 5050 D. 5500

42. How many $\frac{3}{4}$ kg packets of rice can be obtained from a 24kg bag of rice?
- A. 32 B. 12
C. 8 D. 16

43. What is the area of the rectangle below?



- A. $6\frac{1}{4}$ cm² B. $8\frac{1}{4}$ cm²
C. $6\frac{2}{12}$ cm² D. $6\frac{1}{6}$ cm²
44. Joyce had 37.5m of wire. She cut it into 15 equal pieces. What was the length of each piece?
- A. 25cm B. 2.5cm
C. 4.2m D. 2.5m
45. How many groups of 100 are in the total value of digit 8 in the number 678534?
- A. 8000 B. 800
C. 80 D. 8

46. Mercy bought a dress for Shs 600 and later sold it for Shs 720. How much profit did she make?
- A. Shs. 1320 B. Shs. 220
C. Shs. 20 D. Shs. 120

47. Work out:

	Hrs	Min	Sec
	5	16	35
+	3	48	40

- A. 9hrs 50 min 50 min
B. 8hrs 5 min 15 min
C. 9hrs 5 min 15min
D. 8hrs 50 min 15 min

48. Find the value of: $1\frac{2}{3} : 0.04 =$

- A. 3 B. 30
C. 0.3 D. 300

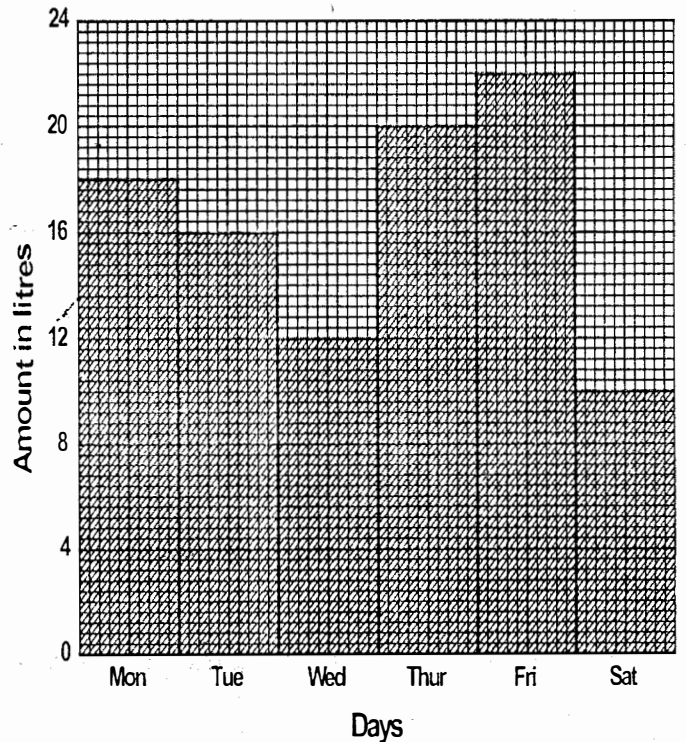
49. The table below shows the number of pupils absent in a class of 48 pupils in one week.

Day	Mon	Tue	Wed	Thu	Fri
No of pupils	5	2	7	3	9

Which day had the least pupils present?

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

50. The graph below shows the amount of milk sold by a farmer in one week. Each litre was sold at Shs. 40.



How much did he get from the sales of the milk in the last three days of the week?

- A. Shs. 52
B. Shs. 46
C. Shs. 1840
D. Shs. 2080