

STANDARD SIX - YEAR 2020

CONTINUOUS ASSESSMENT TEST

MATHEMATICS



TIME: 2 hours

1. Write six million four hundred and twelve thousand and one in figures.

- A. 641201 B. 6412001
C. 64121 D. 64120001

2. Which one of the following numbers is divisible by 8?

- A. 69048 B. 46201
C. 30422 D. 94623

3. Round off to the nearest thousand 75213.

- A. 70000 B. 76000
C. 75000 D. 75200

4. What number comes just after 699,999.

- A. 690,000 B. 700,000
C. 699,000 D. 70,000

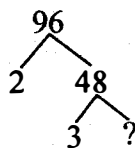
5. What is the prime product of 72?

- A. 8×9 B. $2 \times 2 \times 2 \times 9$
C. $3 \times 3 \times 2 \times 4$ D. $2 \times 2 \times 2 \times 3 \times 3$

6. What's the of GCD of 24, 54 and 72.

- A. 72 B. 12
C. 6 D. 3

7. What is the missing digit in the factor tree below?



- A. 24 B. 12
C. 36 D. 16

8. What's the sum of prime numbers between 90 and 100?

- A. 97 B. 184
C. 279 D. 376

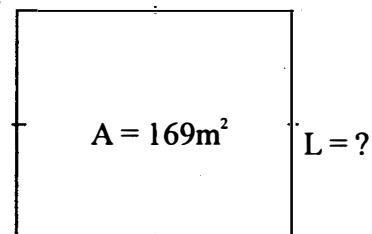
9. What is the LCM of 14, 21 and 28?

- A. 7 B. 84
C. 28 D. 63

10. Simplify $\frac{48}{112}$

- A. $\frac{3}{7}$ B. $\frac{12}{28}$
C. $\frac{6}{14}$ D. $\frac{24}{56}$

11. A square has an area of $169m^2$. What is its length?



- A. 64m B. 16m
C. 13m D. 26m

12. What is the reciprocal of $2\frac{1}{8}$?

- A. $1\frac{7}{8}$ B. $\frac{8}{17}$
C. $\frac{8}{1}$ D. $\frac{8}{21}$

13. Which one of the following numbers is divisible by both 3 and 9

- A. 5213 B. 4621
C. 4900 D. 4563

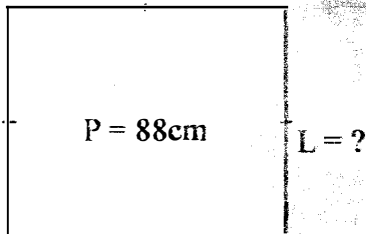
14. What is the total value of digit 3 in 43691?
 A. 300 B. Three thousand
 C. 30,000 D. Thousands

15. What is the square root of $\sqrt{16}$?
 A. 256 B. 4
 C. 2 D. 8

16. Work out $\frac{1}{4} \div \frac{3}{8} =$
 A. $\frac{3}{32}$ B. $\frac{3}{12}$
 C. $\frac{8}{12}$ D. $\frac{2}{3}$

17. Work out $4\frac{3}{4} + 2\frac{2}{5} =$
 A. $6\frac{3}{4}$ B. $7\frac{3}{20}$
 C. $6\frac{3}{20}$ D. $6\frac{23}{20}$

18. A square has a perimeter of 88cm. What is its length?



- A. 22cm B. 44cm
 C. 484cm D. 88cm

19. Which of the following fraction is the smallest? $\frac{1}{2}, \frac{2}{3}, \frac{2}{5}, \frac{3}{4}$

- A. $\frac{2}{3}$ B. $\frac{1}{2}$
 C. $\frac{2}{5}$ D. $\frac{3}{4}$

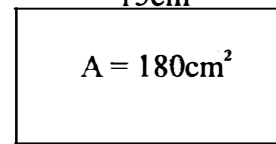
20. Convert into decimal: $\frac{3}{8}$

- A. 3.75 B. 37.5
 C. 375 D. 0.375

21. What is the place value of digit 7 in 6.3271?
 A. Thousandths B. Hundredths
 C. Tenths D. Ten thousandths

22. What is the value of p in $\frac{1}{3}p - 6 = 1$?
 A. 7 B. 21
 C. 3 D. 2

23. A rectangle has an area of 180cm^2 . If its length is 15cm, what is its perimeter?



- A. 12cm B. 7cm
 C. 54cm D. 18cm

24. Simplify $4p + 3y - 2p + 6y$
 A. $2p + 9y$ B. $6p + 9y$
 C. $6p + 3y$ D. $2p - 9y$

25. Convert into fraction 1.05.

- A. $\frac{1}{5}$ B. $\frac{1}{20}$
 C. $\frac{10.5}{20}$ D. $1\frac{1}{20}$

26. Convert into improper fraction $14\frac{2}{5}$

- A. $\frac{14}{5}$ B. $\frac{142}{5}$
 C. $\frac{72}{5}$ D. $\frac{5}{72}$

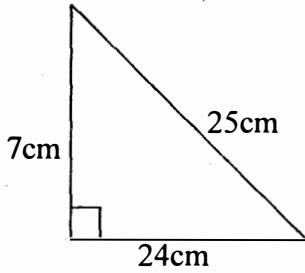
27. Convert 64000m into km.

- A. 640km B. 64km
 C. 6.4km D. 0.64km

28. What the place value of digit 2 in 9264135?

- A. Tens
 B. Hundred thousands
 C. Ten thousands
 D. Hundreds

29. What is the area of the triangle below?



- A. 84cm^2 B. 168cm^2
C. 300cm^2 D. 56cm^2

30. How many 250g packets can be packed from 8kg?

- A. 32 B. 16
C. 4 D. 2

31. How many ml are there in $\frac{3}{4}$ litres?

- A. 200ml B. 250ml
C. 750ml D. 550ml

32. Add $4\frac{3}{4}\text{kg} + 6\frac{1}{2}\text{kg} =$

- A. $10\frac{3}{4}\text{kg}$ B. $10\frac{1}{2}\text{kg}$

- C. $11\frac{1}{2}\text{kg}$ D. $11\frac{1}{4}\text{kg}$

33. Njoki bought the following items from a shop.

2 loaves of bread for kshs. 100.00

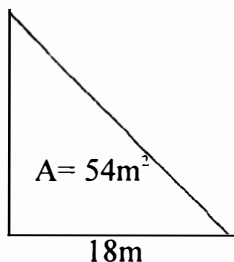
3kg of rice each at shs. 70.00

If she gave the shopkeeper shs. 500 notes,

how much balance did she get?

- A. shs. 310 B. shs. 190
C. shs. 290 D. shs. 210

34. A triangle has an area of 54m^2 . If its base is 18m, what is its height?



- A. 3m
B. 14m
C. 6m
D. 9m

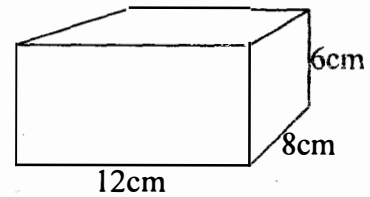
35. Convert 384 seconds into minutes and seconds.

- A. 6mins 4 sec
B. 60mins 24 sec
C. 16mins 24sec
D. 6mins 24sec

36. How many days are there in 2880 mins?

- A. 24 B. 12
C. 2 D. 4

37. What is the volume of the cuboid below?

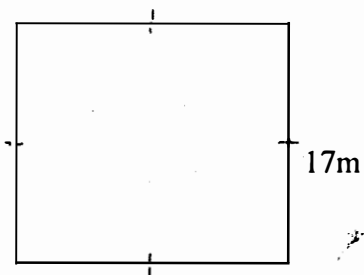


- A. 144cm^3 B. 96cm^3
C. 48cm^3 D. 576cm^3

38. What is the square of 21?

- A. 42 B. 441
C. 84 D. 7

39. A square has side measuring 17m. What is its area?

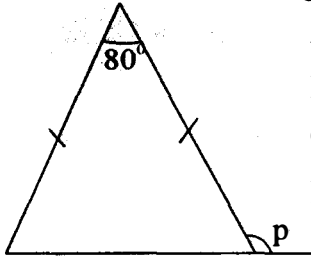


- A. 289m^2 B. 68m^2
C. 284m^2 D. 136m^2

40. On a map 4cm represents 20m. How many cm will represent 40m?

- A. 8cm B. 16cm
C. 4cm D. 12cm

41. What is the value of angle marked p?



- A. 100°
- B. 80°
- C. 50°
- D. 130°

42. Which one of the following is a property of a square.

- A. All sides are equal.
- B. Has three sides.
- C. Diagonals are not equal.
- D. Diagonals do not bisect.

43. Multiply 4.1×2.3

- A. 943
- B. 94.3
- C. 0.943
- D. 9.43

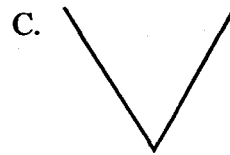
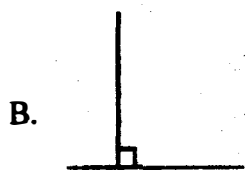
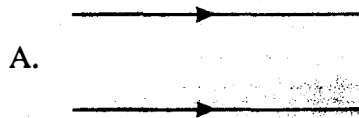
44. What number should be divided by 46 to get 0.046?

- A. 1000
- B. 100
- C. 10
- D. 0.001

45. Kamau started working at 9.30 in the morning and worked for 4 hours. What time in am/pm did he finish?

- A. 12.30p.m.
- B. 12.30a.m.
- C. 1.30p.m.
- D. 1.30a.m.

46. Which of the following lines are perpendicular?



D. _____

47. What is the sum of the square of 12 and square root of 64?

- A. 152
- B. 136
- C. 20
- D. 76

48. Work out and give the reciprocal of your

answer: $\frac{2}{5} \times 1\frac{1}{4}$

- A. $\frac{1}{2}$
- B. $\frac{1}{4}$
- C. $\frac{5}{20}$
- D. $\frac{2}{1}$

49. What is the total value of digit 6 in 42.361?

- A. 0.6
- B. 6
- C. 0.06
- D. 60

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

25, 36, 49, 64, 81, 100, _____

- A. 121
- B. 169
- C. 196
- D. 91