



SKF21G

SKY FLYER EXAMINATIONS SERIES STANDARD SIX YEAR 2021

MATHEMATICS

Time: 2 Hours

READ THESE INSTRUCTIONS CAREFULLY

- You have been given this question paper and a separate answer sheet. The question paper contains 50 questions.
- Make sure that you have written on the answer sheet

(i) Your name

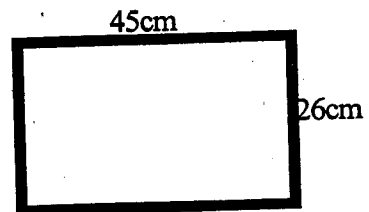
(ii) Name of your school

- What is four million, forty thousand, four hundred and forty four in numerals?
A. 4400444 B. 4040444
C. 4004444 D. 4040440
- What is the total value of digit 1 in the number 71468?
A. 1000 B. 100
C. 10 D. 10,000
- What is the place value of digit 6 in the number 0.8699?
A. Tenths B. Hundreths
C. Ones D. Thousandths
- Subtract 159334 from 900003
A. 740669 B. 84666
C. 750969 D. 840669
- The area of a room is 256m^2 . What is the length of one of its sides?
A. 12m B. 18m
C. 16m D. 11m
- Patrick walks to and from school every day. If the distance between home and school is 4km, how many kilometres does he cover in 3 days?
A. 12km B. 16km
C. 20km D. 24km
- Add

Weeks	Days
5	4
+ 2	5
_____	_____

A. 8wks 3days B. 3wks 1day
C. 8wks 2days D. 7wks 9day

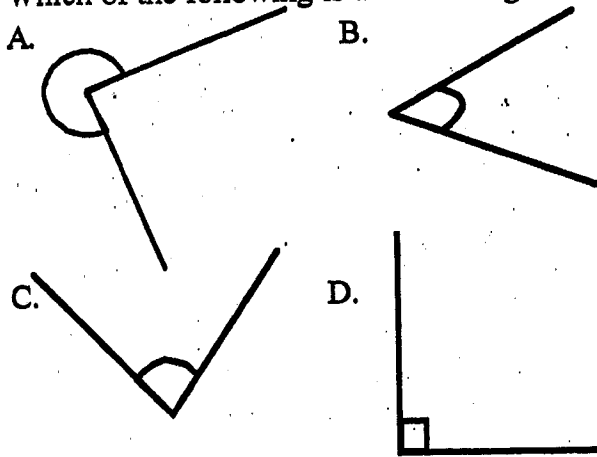
- Which of the following numbers is a perfect square number?
A. 169 B. 181
C. 125 D. 164
- What is the G.C.D of 18, 24 and 30?
A. 2 B. 4
C. 6 D. 180
- Three people went to eat meat in a certain meat choma butchery. One man ate $\frac{1}{4}$ kg, another one ate $\frac{1}{5}$ kg and the other one ate $\frac{1}{8}$ kg. How much meat did they eat altogether?
A. $\frac{23}{40}$ B. $\frac{13}{40}$
C. $\frac{17}{40}$ D. $\frac{5}{8}$
- What is $\frac{48}{84}$ in simplest form?
A. $\frac{5}{6}$ B. $\frac{4}{7}$
C. $\frac{3}{8}$ D. $\frac{2}{3}$
- What is the area of the rectangle drawn below?



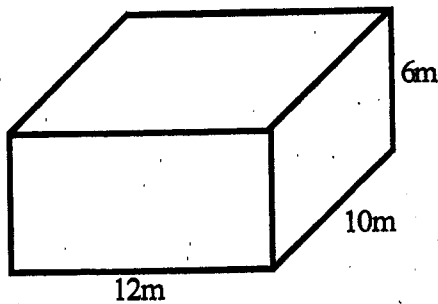
- What is the area of the rectangle drawn below?
A. 71 B. 142
C. 1170 D. 180

3. What is the next number in the pattern 15, 17, 20, 25, _____
 A. 32 B. 66
 C. 75 D. 43
4. How long will a car travelling at a speed of 75km/h take to cover a distance of 300km?
 A. 4hrs B. 3hrs
 C. 2hrs D. 1hr
5. What is the value of x in $3x - 8 = 16$?
 A. 20 B. 8
 C. 6 D. 4

6. Which of the following is an acute angle?

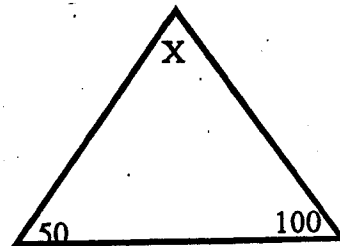


7. What is the volume of the cuboid drawn below?

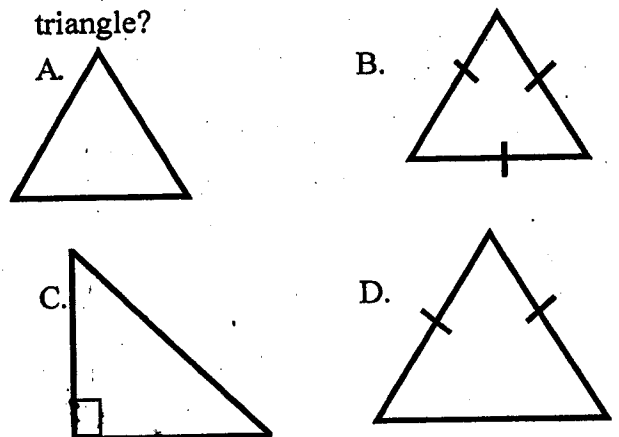


- A. 720m³ B. 360m³
 C. 480m³ D. 840m³
8. Which of these numbers is divisible by 4?
 A. 6541 B. 6843
 C. 6251 D. 6256

19. What is the sum of all prime numbers between 10 and 30?
 A. 112 B. 131
 C. 108 D. 141
20. What is 0.075 as a fraction in its simplest form?
 A. $\frac{3}{80}$ B. $\frac{3}{4}$
 C. $\frac{3}{40}$ D. $\frac{30}{40}$
21. What is the correct order of arranging the fractions $\frac{3}{5}$, $\frac{1}{4}$, $\frac{3}{4}$ from the largest to the smallest?
 A. $\frac{3}{4}$, $\frac{3}{5}$, $\frac{1}{4}$ B. $\frac{1}{4}$, $\frac{3}{5}$, $\frac{3}{4}$
 C. $\frac{3}{5}$, $\frac{3}{4}$, $\frac{1}{4}$ D. $\frac{3}{5}$, $\frac{1}{4}$, $\frac{3}{4}$
22. A football match started at 2:00pm and ended at 4:15. How long did the match last?
 A. 2hrs 15minutes B. 20hrs 15minutes
 C. 4hrs 15minutes D. 3hrs
23. Which of the following shows the sizes of angle x in the figure below?

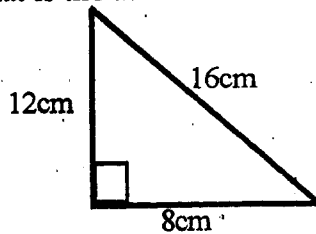


- A. 40° B. 30°
 C. 80° D. 150°
24. Which of the following triangles is an isosceles triangle?



25. The area of a field is 84m^2 . Its length is 12metres. What is the width of the feild?
 A. 7m B. 8m
 C. 9m D. 10m

26. What is the area of the triangle drawn below?



- A. 96cm^2 B. 64cm^2
 C. 48cm^2 D. 60cm^2

27. Divide $13\text{km } 920\text{m}$ by 6

- A. $2\text{km } 20\text{m}$ B. $2\text{km } 320\text{m}$
 C. $2\text{km } 720\text{m}$ D. $3\text{km } 320\text{m}$

28. Add: $248.234 + 81 + 1.34 + 0.256$

- A. 330.83 B. 324.86
 C. 424.21 D. 581.3456

29. Albert bought the following items from a shop
 2kg of meat for sh. 340
 $1\frac{1}{2}$ kg of beans for sh 150
 $\frac{1}{2}$ kg of blueband for sh.75
 How much balance did he get from one thousand shilling note?

- A. sh.565 B. sh.435
 C. sh.550 D. sh.450

30. How many tins each holding $\frac{3}{4}$ kg can be filled from a jar containing 45kg of oil?

- A. 60 B. 90
 C. 30 D. 64

31. Subtract $143 - 0.009$

- A. 134.001 B. 143.009
 C. 42.001 D. 142.991

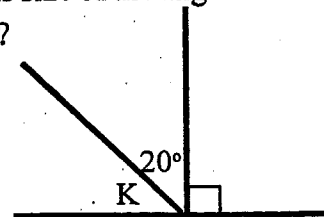
32. What is the simplified form of $5t + 2p + 3p + t$

- A. $5t + 5p$ B. $6t + 5p$
 C. $7t + 5p$ D. $7t + 4p$

33. What is the value of $\frac{1}{4} + \frac{3}{5} =$ _____

- A. $\frac{4}{9}$ B. $\frac{17}{20}$
 C. $\frac{4}{20}$ D. $\frac{14}{20}$

34. What is size of the angle marked K in the figure below?



- A. 60° B. 90°
 C. 80° D. 70°

35. How many metres are there in $20\text{km } 5$ metres

- A. 205m B. 2005m
 C. 20005m D. 25m

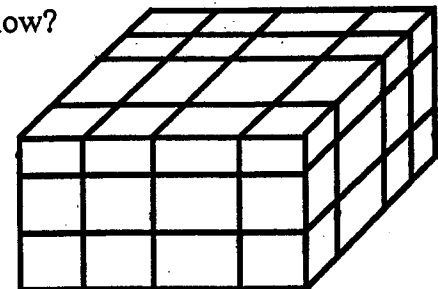
36. Wanjala took $2\frac{3}{5}$ hours to travel from Nairobi to Nakuru then another $1\frac{1}{2}$ from Nakuru to Molo. How long did the whole journey take?

- A. $5\frac{3}{10}$ B. $4\frac{1}{10}$
 C. $3\frac{3}{8}$ D. $3\frac{1}{10}$

37. Mr Oteino bought eight materials each measuring 1.45m long. How long were the materials if they were joined together?

- A. 11.6m B. 8.4m
 C. 13.6m D. 8.8m

38. How many cubes were used to make the stack below?



- A. 40 B. 48
 C. 60 D. 44

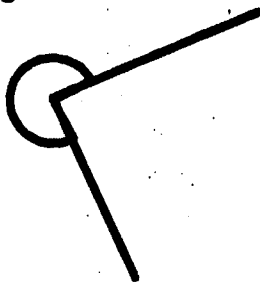
39. What is $\frac{1}{3}$ of forty eight ?

- A. 60 B.16
C.32 D.36

40. What is the area of a square whose side is 16cm?

- A. 4cm² B. 64cm²
C.169cm² D. 256cm²

41. The angle drawn below is ?



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

42. Add

Hrs	Min.
5	48
3	36

- A. 9hrs 24min B. 8hrs 84min
C. 9hrs 84min D. 8hrs 24min

43. A doctor injected each patient with 2mls of medicine. Altogether she used 0.5litres of medicine.How many patients did she treat?

- A. 250 B. 25
C. 45 D. 50

44. In a class of 24 pupils, each pupil bought $\frac{1}{2}$ litre packet of milk. How many litres of milk did the pupils buy altogether?

- A. 12 B. 23 $\frac{1}{2}$
C. 24 $\frac{1}{2}$ D. 48

45. 3 books cost sh90.How much will 10 books cost ?

- A. sh.270 B. sh.900
C. sh.30 D. sh.300

46. A piece of sugarcane 1 metre long was shared

among 4 people.How many times was the sugar cane cut?

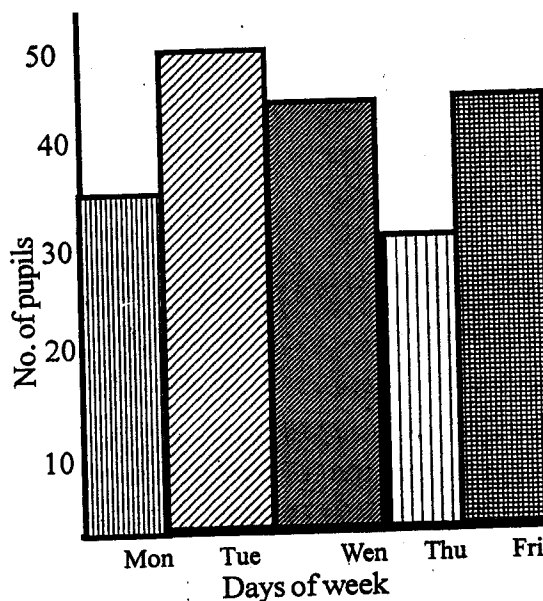
- A. 1 B. 2
C. 3 D. 4

47. What is the value of t in,

$$5t + 2t - 5t - 2 = 4$$

- A. 1 B. 3
C. 2 D. 4

Study the graph below and answer the questions that follow?



48. If the class had 50 pupils how many pupils were absent in the whole week?

- A. 250 B.200
C. 150 D. 45

49. How many pupils were present in the whole week?

- A. 250 B. 205
C. 150 D. 100

50. If each pupil contributed sh. 20 towards the aid of one of their pupils who had been admitted to hospital .How much altogether was collected?

- A. sh.2000 B. sh.3000
C. sh.5000 D. sh.4100