

# PRIMARY MOCKS QNS

1. Add  $564 + 46$
2. Write the solution set for the inequality:
3. Work out  $\frac{3}{4} + \frac{1}{2}$
4. Find the least number when divided by 12 and 8 leaves no remainder.
5. A bag contains 3 black pens and 9 blue pens. What percentage of the pens in the bag are blue?
6. Find the mean of  $2a$ , 3 and  $4a$ .
7. What number has been expanded to give:  $(1 \times 10^0) + (9 \times 10^{-1}) + (0 \times 10^{-2})$ ?
8. If  $\frac{2}{5}$  of a number is 800, find  $\frac{1}{4}$  of the same number.
9. The cost of 3 kilos of meat is sh. 24,000, find the cost of 5 kilos of meat at the same rate.
10. Today is Wednesday, what day of the week was it 50 days ago?
11. How many elements are in a set with 32 subsets?
12. Write in Roman Numerals: 1,098.
13. Simplify:  $2y + 4b + y - 2b$
14. How many ten litre-sacks of biochemical are in 0.5 litres of biochemical?
15. A fair die is tossed once, what is the probability that a number less than four appears on top?
16. Namudope bought 38 dresses. If 7 dresses were red, and there were 5 more blue dresses than yellow dresses. Find the number of yellow dresses.
17. Using the diagram below, find the direction of A and B.
18. At DFCU forex Bureau, the exchange rate is:  
Ksh.1 = Ush.30  
US dollar (\$) 1 = Ush. 2500  
Wandyaka had Ksh.30, 000 and exchanged for US dollars, how much money did he get?
19. A mini bus can carry 25 passenger, each trip, how many trips does it make to carry 250 people?
20. A car covered 18km in only 30 minutes. Calculate its speed in km/hr.
21. The Venn diagram below shows the number of pupils in P.7 class who wrote end of year exams and passed English (E) and math (M). Study it and answer questions about it.
  - a) If those who passed English are 41, find  $y$
  - b) How many pupils passed other subjects other than English and math?
  - c) How many pupils are in class altogether?
22. A chen entered a supermarket and bought the following items:
  - 2 loaves of bread at sh. 3000 per loaf
  - 500g of salt at shs.4000 per kilo
  - 1500g of sugar at shs. 7000
  - 6 heaps of sweet potatoes at shs. 5000 for every three heaps

- a) Find his total expenditure.
23. The figure below is a magic square with a magic sum, fill in the missing numbers.
24. A ship left port A on a bearing of  $120^{\circ}$ , covered 350km and reached port B. It later changed course and continued to port C on a bearing of  $050^{\circ}$  covering 300km.
- (a) Using a scale of 1 cm rep. 50km, draw the route taken by the ship.
- (b) Find the shortest distance between port A and C.
- (c) Find the bearing of port B from port C.
25. Peter, Jane, Ruth shared a certain amount of money in the ratio 2:3:5 respectively.
- (a) If Peter received sh. 2400, find the shares for Ruth and Jane.
- (b) Increase Peter's share by 20%
26. (a) A regular polygon has nine sides, calculate the size of its exterior angle.
- (b) Study the figure below and find the value of the angles marked with letters.
27. (a) Solve:  $5y^2 - 2 = 123$
- (b) Babirye is 5 years older than Kigongo. If their total age is 39 years, find their individual ages.
28. (a) Workout:  $\frac{7.2 \times 3.5}{0.15 \times 2.4}$
- (b) Express 0.166..... as a rational number.
29. Subtract 63 from 100.
30. Given that  $X = \{a, e, i\}$  find  $n(X)$
31. The interior angle of a regular polygon is  $135^{\circ}$ . Name the polygon.
32. Show and give the lines of folding symmetry in the figure below.
33. Express 200g as a ratio of 2kg.
34. The base area of a circular end of a cylinder is  $154\text{m}^2$ . Find its volume if it has a height of 10m.
35. The figure below is a cuboid.

How long are all its edges?

36. Workout  $(3.5 \times 20) + (80 \times 3.5)$  using distributive property.

37. Find the perimeter of the figure below. (use  $\pi = \frac{22}{7}$ )

38. Solve :  $4 \div 5 = x \pmod{7}$

39. A staff meeting ended at 0040hrs. Express the ending time in 12 hour clock system.

40. Calculate the area of the figure below.

41. Solve  $x + \frac{2x}{3} = 10$

42. 8 tomatoes cost shs. 2400. Find

43. Find the next two numbers in the sequence.

1, 6, 8, 13, 15,.....,.....

44. Find the product of LCF of 12 and 15 and their GCF.

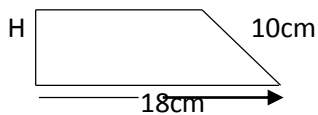
45. Write 3860 in scientific rotation.

46. Simplify  $3m + 6y - m + 2y$ .

47. How many verticles has the figure below.

48. Using a ruler a pencil and a pair of compass construct an angle of  $270^\circ$ .

49. The figure below is a trapezium.



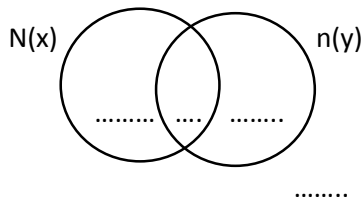
a) Find the value of h.

b) Workout the area of the figure.

c) Calculate its perimeter.

50. Given that  $n(X) = 30$ ,  $n(Y) = 25$   $n(X \cap Y) = 5$

a) Represent the above information on a Venn diagram.



b) Find  $n \in$

51. Using a ruler, a pencil, and a pair of compasses only, construct a triangle PQR in which  $PQ = 6\text{cm}$ ,  $\angle P = 75^\circ$  and  $\angle Q = 60^\circ$ .

b) Measure  $\angle R$

ii)  $\overline{QR}$

52. Nansubuga prepared a square dough of side 63cm. She cut out pancakes of radius 3.5cm.

a) How many pancakes did she cut out?

b) Calculate the area of the dough that remained.

53. a) Simplify  $\frac{0.25 + 0.11}{0.09 \times 0.3}$

b) Workout:  $\frac{1}{2} \times \frac{3}{4} \div \frac{3}{4}$

54. In a class of 400 pupils,  $\frac{3}{5}$  are boys,  $\frac{1}{3}$  of the boys are in upper primary and  $\frac{5}{8}$  of the girls are in lower primary. How many pupils are in lower primary altogether?

55. Below a rectangular tank containing some water.

- a) How many litres of water are in the tank?
- b) Find the amount of water needed to fill the tank.

56. a) Express  $301_{\text{four}}$  in standard base.

- b) Write  $0.0023 \times 10^5$  as a single number.
- c) Round off 38.242 to one place of decimal.

57. a) Solve  $2(X+3) - (X+2) = 10$

- b) Given that  $a=3$ ,  $b=5$  and  $c= 1$ .

Find the value of.

i)  $a^2b$

ii)  $\frac{b+c}{2a}$

58. 4 men can dig the garden in 20 days. How many more men are needed to dig the same garden in 5 days.

- b) A man shared some money to his three daughters shadia, shirat, and shidrat in the ratio of 3:1:2.

Find how much they shared if shadia got shs 6000 more than shirat.

59. Study the figure below and answer the questions that follow.

- a) Find the value of X
- b) Find the value of Y

60. A typing recorded the following number of mangoes sold .10,8,10,7,12 and 13.

- a) Find the modal number of mangoes sold.
- b) Calculate the mean number of mangoes sold.
- c) Calculate the range of mangoes sold.

