Sample math paper

Grade 3 Mathematics

1. What is the place value of the colored digit in the following numbers?
   (a) 291 (b) 693 (c) 8792 (d)5249

2. What is the total value of the digit 9 in the following numbers?
   (a) 1249 (b)29528 (c) 13597 (d)98734

3. Read and write the following in symbols.
   (a) Nine hundred and ninety nine

   (b) Seventy nine

   (c) Two hundred and fifty two

   (d) One thousand

   (e) Six hundred and ninety nine

4. Mazda drove a car for three hundred and twenty kilometers without a stop. Write the distance he drove in symbols.

5. Arrange the following group of numbers in an numbers in an ascending order

(a) 712, 127, 721, 859, 928.

(b) 987, 789, 721, 859, 897.

6. A salesman sold 534 apples on Monday, 780 apples on Tuesday, 524 on Wednesday and 643 on Thursday. Put the days in ascending order according to the number of apples sold.

7. Arrange the following group of numbers in descending order.
   (a) 976, 679, 796, 769, 725

   (b) 529, 938, 874, 399, 645

8. In an animal farm, there were 900 cattle, 400 goats, 320 sheep, 230 pigs, 329 hens and 89 camels. Arrange the number of animals from the largest to the smallest.

9. List down the factors of:
   (a) 32 (b) 21 (c) 50 (d) 15

10. List all even numbers between the following numbers.
    (a) 51 and 71 (b) 32 and 50

(c) 11 and 20 (d) 83 and 99

11. Complete the following pattern
    (a) 24, 30, 36, 42, ___, ___ (d) 1700, 2000,2300,2600, ____, ____

    (b) 58, 66, 74, 82, ___, ___ (e) 2000, 4000, 6000, _____, _____

    (c) 9, 109, 209, 309, ___, ___

12. Write the Hindu Arabic numbers that present the following:
    (a) VI (b) X (c) III (d) IX (e) IV

13. Work out:
    (a) 3426 + 216 (b) 7256 + 129

14. Teso school learners collected shs 4235 while their teacher collected shs 3428 for charity. How much money did they collect in total?

15. A fundraising meeting had 3894 adults and 1284 children. How many people were there altogether?

16. Work out:
    (a) 980 – 240 (b) 642 – 241

(c) 3563 – 241 (d) 7591 – 3181

17. A broker bought 1674 shirts. He sold 1349 of them. How many shirts remained?

18. Muthoni had 9987 books. She distributed 9856 books to schools. How many books was she left with?

19. Round off each of the following numbers to the nearest ten and then work out.
    (a) 4784 – 1324 (b) 2358 – 1284

20. Work out the following:
    (a) 21 x 23 (b) 63 x 20 (c) 31 x 13 (d) 37 x 19

    (e) 36 x 86 (f) 74 x 28 (g) 42 x 34 (h) 25 x 18

21. A book costs shs 35. How much 23 do books costs?

22. Work out

(a)

m	**cm**
17	45
	2

(b)

m	**cm**
23	00
	8

(c)

m	**cm**
45	45
	5

(d)

m	**cm**
25	11
	9

23. One man can dig 12m 25cn of a trench every day. How many meters and centimeters can he dig in 7 days?

24. Work out (use counters)
    (a) 42 ÷ 7 (b) 20 ÷ 4

25. A month has 28 days. There are 7 days in a week. How many weeks are in that month?

26. Nancy had 32 oranges. He shared them equally among 8 friends. How many oranges did each friend get?

27. (a) $4\overline{)64}$ (b) $4\overline{)56}$ (c) $3\overline{)45}$ (d) $5\overline{)85}$

(e) $3\overline{)52}$ (f) $7\overline{)93}$ (g) $2\overline{)63}$ (h) $4\overline{)87}$

28. Complete the following division and multiplication statements

(a) 21 ÷ 3 = ☐

(b) ☐ X 3 = 24

(c) 3 X ☐ = 24

(d) ☐ X 7 = 21

(e) 24 ÷ 8 = ☐

29. Write down the numerator and the denominator in each of the following fractions:

(a) $\frac{2}{7}$ (b) $\frac{1}{3}$ (c) $\frac{4}{6}$ (d) $\frac{8}{9}$

30. Draw a chart to show the shaded parts

(a) $\frac{1}{8}$ (b) $\frac{7}{10}$

31. Write down the type of each fraction

(a) $\frac{1}{4}$ (b) $1\frac{3}{8}$ (c) $\frac{12}{5}$ (d) $\frac{9}{4}$ (e) $\frac{11}{12}$ (f)$2\frac{2}{3}$

32. Convert the following into mixed fraction

(a) $\frac{4}{3}$ (b) $\frac{17}{8}$ (c) $\frac{13}{2}$ (d) $\frac{12}{11}$

33. What is the place value of digit 2 in the numbers below?

(a) 36.28 (b) 0.27 (c) 34.02

34. Arrange the following decimals from the smallest to the largest

(a) 1.24, 4.75, 0.09, 0.01, 0.10

(b) 3.32, 2.31, 5.23, 3.30

35. Arrange from the largest to the smallest

(a) 1.47, 1.03, 1.30, 1.45, 1.31

(b) 9.21, 9.31, 9.51, 9.11, 9.41

36. Simplify the following

(a) 28g -7g +13g

(b) 17b + 18b -21b

(c) 50p + 8m + p + 13m

(d) 40 + 20t + 7t