

CBSE Class 5 Mathematics Sample Paper 1

HALF YEARLY EXAMINATION

Marks: 50

Time: 2 hrs

Choose the correct answer from the brackets (1 mark)

1. 1 Crore = -----lakhs.

(Hundred, Crore, Ten thousand)

2. $\frac{1}{3}$ of a right angle is -----

(45° , 30° , 60°)

3. The LCM of 2 and 6 is -----

(2, 6, 12)

4. $\frac{1}{8}$ of 40 is -----

(8, 320, 5)

5. $\frac{3}{4}$ of 1 rupee is -----paise.

(25, 50, 75)

Fill in the blanks (1 mark)

6. Length of a boundary is -----

7. ----- is the HCF of 3 and 9.

8. Least sided polygon is -----

9. The number of zeros in one crore is -----

10. $\frac{1}{4}$ of a day is -----hours.

Answer the following (2 mark)

11. A car travels 105 km in 3 hours. Find the speed per hour.

12. Mini borrowed 8000 rupees from a bank. She repays 750 rupees every month for a year. How much money does she repay at the end of a year?

13. Write two English words which read the same on half a turn.

14. Find first four common multiples of 4 and 6.
15. Write any two palindrome words.
16. Manu had a Tuna which weighed 9 kg. She wishes to sell it as a whole at 1080 rupees. What price per kilogram is she selling Tuna?
17. There are 24 birds on a tree. One third of them flew away. How many of them are remaining?
18. Write any three English letters and draw its line of symmetry.
19. Write the common factors of 18 and 24. Which is the smallest among them?
20. When fresh fish is dried, it becomes $\frac{1}{3}$ of its weight. If we want 7 kg dried fish, how much kilograms of fresh fish is needed?

Answer the following (3 mark)

21. Write the factors of 16 and 24. Find its HCF?
22. Sona has 25 chocolates with her. She gave $\frac{3}{5}$ of the toffees to her sister. Find the number of the remaining toffees.
23. Write all 2, 3 and 4 digit numbers which look the same on half turn.
24. A bag of sugar weighs 75 kg. Find the total weight of sugar in 150 such bags?

Answer the following (4 mark)

25. Look at the price list and answer the following questions.
 - a) How much does $3\frac{1}{2}$ kg of apple cost?
 - b) What is the price of $2\frac{1}{4}$ kg of mango?
 - c) Find the total cost of $1\frac{3}{4}$ kg of oranges and 2 kg of grapes.

Item	Price(kg)
Orange	60
Apple	120
Grapes	80
Mango	60

26. Meenu took a loan of 22000 rupees to buy a scooter. She paid back 1050 rupees every month for two years. How much did she pay back to the bank?

Answers:

1. Hundred lakhs

2. 30°

3. 6

4. 5

5. 75

6. Perimeter

7. 3

8. Triangle

9. 7

10. 6 hrs

11. Speed of the car in 3 hours = 105 km

So speed of the car in 1 hour = $105 \div 3 = 35$ km

12. The amount borrowed from the bank = 8000 Rs

The amount repaid in every month = 750 Rs

So the amount repaid in one year = $750 \times 12 = 9000$ Rs

13. NOON, SIS

14. Multiples of 4 are 4, 8, 12, 16, 20, 24, 28, 32, 36, 40.....

Multiples of 6 are 6, 12, 18, 24, 30, 36, 42, 48, 54, 60.....

Common multiples are 12, 24, 36.....

15. MALAYALAM, MADAM

16. Total weight of Tuna = 9 kg

Cost of 9kg of Tuna = 1080 Rs

So the price per kg of Tuna = $1080 \div 9 = 120$ Rs

17. The number of birds on a tree = 24 birds

$\frac{1}{3}$ of them flew away means $\frac{1}{3}$ of 24 = 8 birds flew away.

So the number of birds remaining = $24 - 8 = 16$ birds.

18.

~~A, B, C~~

19. Factors of 18 are 1, 2, 3, 6, 9, and 18.

Factors of 24 are 1, 2, 3, 4, 6, 8, 12, and 24.

Common factors are 1, 2, 3, 6

The smallest among these common factors is one.

20. When fresh fish is dried, it becomes $\frac{1}{3}$ of its weight.

If he need 7 kg of dried fish, the amount of fresh fish needed = $7 \times 3 = 21$ kg

21. Factors of 16 are 1, 2, 4, 8 and 16.

Factors of 24 are 1, 2, 3, 4, 6, 8, 12, and 24.

Common factors are 1, 2, 4 and 8.

Therefore, HCF = 8

22. The number of chocolates that Sona has = 25

The number of chocolates she gave to her sister = $\frac{3}{5}$ of 25 = 15 chocolates.

The number of remaining toffees = $25 - 15 = 10$ toffees.

23. 2 digit numbers: 11, 88

3 digit numbers: 101, 111, 808, 181, 818, 888

4 digit numbers: 1111, 8888, 1001, 8008, 8118, 1881

24. The weight of a bag of sugar = 75kg

Total weight of 150 such bags = $150 \times 75 = 11250$ kg

25. a) Cost of 1 kg apple = 120 Rs

Cost of 3 kg apple = $120 \times 3 = 360$ Rs

Cost of $\frac{1}{2}$ kg of apple = 60 Rs

Therefore, cost of $3\frac{1}{2}$ kg of apple = $360 + 60 = 420$ Rs

b) Cost of 1 kg mango = 60

Cost of 2 kg mango = $2 \times 60 = 120$ Rs

Cost of $\frac{1}{4}$ kg mango = $\frac{1}{4}$ of 60 = 15 Rs

Therefore, cost of $2\frac{1}{4}$ kg of mango = $120 + 15 = 135$ Rs

c) Cost of 1 kg orange = 60 Rs

Cost of $\frac{3}{4}$ kg orange = $\frac{3}{4}$ of 60 = 45 Rs

Therefore, $1\frac{3}{4}$ kg of oranges = $60 + 45 = 105$ Rs

Cost of 1 kg grapes = 80 Rs

Therefore, cost of 2 kg grapes = $2 \times 80 = 160$ Rs

So cost of $1\frac{3}{4}$ kg of oranges and 2 kg of grapes = $105 + 160 = 265$ Rs

26. The amount of money took by Meenu = 22000Rs

The amount of money paid back in every month = 1050 Rs

2 years = 24 months

So the amount paid back after 2 years = $1050 \times 24 = 25200$ Rs

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