

Question Bank Class IV Maths

Chapter 4: Division

Do as Directed :

1. Divide 84 by 7.
Answer: 12
 2. Find the quotient and remainder: $95 \div 8$
Answer: Quotient = 11, Remainder = 7
 3. Fill in the blank: $45 \div \underline{\quad} = 9$
Answer: 5
 4. Divide 560 by 10.
Answer: Quotient = 56, Remainder = 0
 5. Find: $728 \div 100$
Answer: Quotient = 7, Remainder = 28
 6. Check the division: $24 \times 5 + 3 = \underline{\quad}$
Answer: 123
 7. Divide 999 by 9.
Answer: 111
 8. Estimate the quotient: $82 \div 19$
Answer: 4
 9. Divide 4200 by 1000.
Answer: Quotient = 4, Remainder = 200
 10. Find the dividend:
Quotient = 15, Divisor = 6, Remainder = 2
Answer: 92
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Questions on Number :

1. What is the smallest 4-digit number?
Answer: 1000
2. What is the place value of 5 in 4582?
Answer: 500
3. Write the successor of 999.
Answer: 1000
4. Write the predecessor of 7000.
Answer: 6999
5. Arrange in ascending order: 456, 654, 546
Answer: 456, 546, 654
6. Write the expanded form of 4832.
Answer: $4000 + 800 + 30 + 2$
7. Which number is greater: 893 or 839?
Answer: 893
8. How many hundreds are there in 5600?
Answer: 56
9. Write the Roman numeral for 50.
Answer: L

10. What is the face value of 7 in 4729?

Answer: 7

Solve the Operation :

1. $456 + 234 =$

Answer: 690

2. $900 - 458 =$

Answer: 442

3. $56 \times 8 =$

Answer: 448

4. $864 \div 9 =$

Answer: 96

5. $45 \times 12 =$

Answer: 540

6. $1200 \div 10 =$

Answer: 120

7. $768 - 389 =$

Answer: 379

8. $234 + 567 =$

Answer: 801

9. $96 \div 6 =$

Answer: 16

10. $75 \times 5 =$

Answer: 375

Case Study Questions :

Case Study 1

A school has 240 students. They are divided equally into 8 groups.

1. How many students are in each group?

Answer: Number of students in a class = 240

Number of group created in a class = 8

Each group students = $240 \div 8 = 30$ students

Case Study 2

A shopkeeper has 560 chocolates packed equally in 7 boxes.

1. How many chocolates are in each box?
Answer: total number of chocolate = 560

Total number of boxes= 7

Each box had chocolate = $560 \div 7 = 80$ chocolates

Case Study 3

Rita has 950 pages to read in 10 days.

1. How many pages should she read daily?
Answer: Number of pages in the books = 950

Number of days to cover the book 10

Number of pages in a day can be covered = $950 \div 10 = 95$ pages

Case Study 4

A bus carries 45 students. How many buses are needed for 360 students?

1. Number of buses needed?
Answer: Number of students carried by bus = 45

Total number of students = 360

Number of bus needed = $360 \div 45 = 8$ buses

Case Study 5

A farmer packed 875 apples equally into 25 baskets.

1. How many apples are in each basket?
Answer: Total number of apple = 875

Total number of baskets = 25

Each basket carry apples= $875 \div 25 = 35$ apples

Word Problems :

1. A teacher has 144 pencils and gives 12 pencils to each student. How many students get pencils?
Answer: 12 students
2. A train travels 360 km in 6 hours. How far does it travel in 1 hour?
Answer: 60 km
3. There are 525 mangoes packed equally in 15 boxes. How many mangoes are in each box?
Answer: 35 mangoes
4. A ribbon of 840 cm is cut into pieces of 12 cm each. How many pieces are made?
Answer: 70 pieces
5. 96 students are seated equally in 8 rows. How many students are in each row?
Answer: 12 students
6. A shopkeeper earns ₹4500 in 9 days. What is the earning per day?
Answer: ₹500
7. 675 books are arranged equally on 9 shelves. How many books are on each shelf?
Answer: 75 books
8. A factory makes 240 toys in 6 days. How many toys are made in one day?
Answer: 40 toys
9. 128 biscuits are shared equally among 16 children. How many biscuits does each child get?
Answer: 8 biscuits
10. A farmer has 999 oranges packed equally in 9 baskets. How many oranges are in each basket?
Answer: 111 oranges

Chapter 5: Multiples and Factors with HCF and LCM

Do as Directed :

1. Write the first 4 multiples of 5.
Answer: 5, 10, 15, 20
2. Find the factors of 18.
Answer: 1, 2, 3, 6, 9, 18
3. Write whether 29 is a prime or composite number.
Answer: Prime number
4. Find the HCF of 12 and 18.
Answer: 6
5. Find the LCM of 4 and 6.
Answer: 12
6. Write the first 3 even multiples of 7.
Answer: 14, 28, 42
7. Check whether 45 is divisible by 5.
Answer: Yes
8. Write the common factors of 16 and 24.
Answer: 1, 2, 4, 8
9. Find the prime factorisation of 20.
Answer: $2 \times 2 \times 5$
10. Write True or False: "1 is the smallest factor of every number."
Answer: True

Questions on Number :

1. What is the smallest prime number?

Answer: 2

2. Is 15 an odd or even number?

Answer: Odd number

3. Write the factors of 24.

Answer: 1, 2, 3, 4, 6, 8, 12, 24

4. Write the multiples of 6 up to 30.

Answer: 6, 12, 18, 24, 30

5. Is 49 a multiple of 7?

Answer: Yes

6. Which number is divisible by both 2 and 3?

a) 15

b) 18

c) 25

Answer: 18

7. Find the common multiples of 3 and 5 up to 30.

Answer: 15, 30

8. Which is the greatest factor of 36?

Answer: 36

9. Is 51 divisible by 3?

Answer: Yes

10. Write the first five prime numbers.

Answer: 2, 3, 5, 7, 11

Solve the Operation :

1. $8 \times 6 = ?$

Answer: 48

2. $72 \div 8 = ?$

Answer: 9

3. $15 \times 4 = ?$

Answer: 60

4. $96 \div 12 = ?$

Answer: 8

5. $24 + 36 = ?$

Answer: 60

6. $100 - 45 = ?$

Answer: 55

7. $7 \times 9 = ?$

Answer: 63

8. $81 \div 9 = ?$

Answer: 9

9. $25 \times 5 = ?$

Answer: 125

10. $144 \div 12 = ?$

Answer: 12

Case Study Questions :

1. Rina has 24 chocolates. She wants to divide them equally among 6 friends. How many chocolates will each friend get?

Answer: Total number of chocolate = 24

Number of friends she has = 6

Each friends get chocolate = $24 \div 6 = 4$ chocolates

2. A teacher arranged 36 students into 4 equal rows. How many students are in each row?

Answer: Total students = 36

Number rows = 4

In each rows students are = $36 \div 4 = 9$ students

3. There are 18 red balloons and 24 blue balloons. Find the HCF of 18 and 24.

Answer: Factors of 18 = 1, 2, 3, 6, 9, 18

Factors of 24 = 1, 2, 3, 4, 6, 8, 12, 24

HCF = 6

4. Two bells ring every 4 minutes and 6 minutes. After how many minutes will they ring together again?

Answer: LCM of 4 and 6 = 12

They will ring together after 12 minutes.

5. A shopkeeper packed 48 apples into boxes of 6 apples each. How many boxes were used?

Answer: total apples = 48

Each box has apples = 6

$$\text{Number of boxes} = 48 \div 6 = 8 \text{ boxes}$$

Word Problems :

1. A farmer has 5 cows. Each cow gives 4 litres of milk daily. How much milk does he get in total?

Answer: $5 \times 4 = 20$ litres

2. There are 8 packets with 12 biscuits in each packet. How many biscuits are there altogether?

Answer: $8 \times 12 = 96$ biscuits

3. A rope is 36 metres long. It is cut into 6 equal pieces. What is the length of each piece?

Answer: $36 \div 6 = 6$ metres

4. Sita bought 9 pencils for ₹5 each. How much money did she spend?

Answer: $9 \times 5 = ₹45$

5. A bus carries 48 passengers. If 16 passengers get down, how many remain?

Answer: $48 - 16 = 32$ passengers

6. A box contains 24 oranges. How many oranges are there in 5 boxes?

Answer: $24 \times 5 = 120$ oranges

7. Ravi read 15 pages daily for 7 days. How many pages did he read altogether?

Answer: $15 \times 7 = 105$ pages

8. There are 63 students in a school hall arranged in 9 rows equally. How many students are in each row?

Answer: $63 \div 9 = 7$ students

9. A toy costs ₹18. What is the cost of 6 toys?

Answer: $18 \times 6 = ₹108$

10. A water tank has 100 litres of water. 35 litres are used. How much water is left?

Answer: $100 - 35 = 65$ litres

Chapter 8

Do as Directed:

1. Draw a line segment of length 5 cm.

Answer: Line segment AB = 5 cm

2. Name the figure formed by two rays meeting at one point.

Answer: Angle

3. Identify the type of line: |

Answer: Vertical line

4. Write the symbol used for angle.

Answer: $\angle$

5. A line extending endlessly in one direction is called _____.

Answer: Ray

6. Name the polygon with 5 sides.

Answer: Pentagon

7. A triangle with all sides equal is called _____.

Answer: Equilateral triangle

8. A chord passing through the centre is called _____.

Answer: Diameter

9. Draw a circle and mark its centre as O.

Answer: Circle with centre O

10. An angle measuring 90° is called _____.

Answer: Right angle

Questions on Number:

1. Write the number name of 4,508.
Answer: Four thousand five hundred eight
 2. Write in numerals: Seven thousand two hundred thirty-six.
Answer: 7,236
 3. What is the place value of 5 in 5,482?
Answer: 5,000
 4. Arrange in ascending order: 458, 785, 324, 901
Answer: 324, 458, 785, 901
 5. Arrange in descending order: 1,205, 980, 2,450, 1,890
Answer: 2,450, 1,890, 1,205, 980
 6. Write the predecessor of 9,000.
Answer: 8,999
 7. Write the successor of 5,499.
Answer: 5,500
 8. Form the greatest 4-digit number using 3, 7, 1, 9.
Answer: 9,731
 9. What is the expanded form of 6,204?
Answer: $6,000 + 200 + 4$
 10. Round off 4,786 to the nearest hundred.
Answer: 4,800
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Solve the Operation:

1. $345 + 278 = ?$
Answer: 623
 2. $900 - 457 = ?$
Answer: 443
 3. $56 \times 8 = ?$
Answer: 448
 4. $864 \div 9 = ?$
Answer: 96
 5. $725 + 1,275 = ?$
Answer: 2,000
 6. $1,000 - 589 = ?$
Answer: 411
 7. $47 \times 12 = ?$
Answer: 564
 8. $936 \div 6 = ?$
Answer: 156
 9. $2,345 + 3,210 = ?$
Answer: 5,555
 10. $5,000 - 2,468 = ?$
Answer: 2,532
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Case Study Questions:

Case Study 1

Q: Rita drew a circle with radius 4 cm.

What is the diameter of the circle?

Answer: 8 cm

Case Study 2

Q: A triangle has all three sides equal.

What type of triangle is it?

Answer: Equilateral triangle

Case Study 3

Q: A clock shows 3 o'clock.

What type of angle is formed between the hands?

Answer: Right angle

Case Study 4

Q: A figure has 4 equal sides and 4 right angles.

Name the figure.

Answer: Square

Case Study 5

Q: Rohan measured a line segment and found it to be 7 cm long.

If another line segment is 3 cm longer, what is its length?

Answer: 10 cm

Word Problems:

1. A rope is 15 m long. Another rope is 9 m long. Find the total length.

Answer: 24 m

2. A shopkeeper had 500 balloons. He sold 275 balloons. How many are left?

Answer: 225 balloons

3. There are 48 students in 6 rows. How many students are in each row?

Answer: 8 students

4. A box contains 24 chocolates. How many chocolates are there in 5 boxes?
Answer: 120 chocolates
5. A circle has diameter 12 cm. Find its radius.
Answer: 6 cm
6. Ravi bought a notebook for ₹45 and a pen for ₹25. How much did he spend?
Answer: ₹70
7. A farmer has 96 mangoes. He packs them equally into 8 baskets. How many mangoes in each basket?
Answer: 12 mangoes
8. A bus travelled 245 km on Monday and 325 km on Tuesday. Find the total distance travelled.
Answer: 570 km
9. A triangle has two sides of 5 cm each. What type of triangle is it?
Answer: Isosceles triangle
10. Meena had ₹1,000. She bought a bag for ₹675. How much money is left?
Answer: ₹325

Chapter 11

Do as Directed :

1. Find the perimeter of a rectangle with length 12 cm and breadth 5 cm.
Answer: $(2 \times (12 + 5) = 34)$ cm
2. Find the area of a square of side 9 cm.
Answer: $(9 \times 9 = 81)$ sq cm
3. Find the perimeter of a triangle whose sides are 6 cm, 7 cm, and 8 cm.
Answer: $(6 + 7 + 8 = 21)$ cm
4. Fill in the blank:
Perimeter of a square = $___ \times \text{side}$
Answer: 4
5. Fill in the blank:
Area of a rectangle = $___ \times ___$
Answer: length $\times$ breadth
6. True or False:
Opposite sides of a rectangle are equal.
Answer: True
7. Find the side of a square whose perimeter is 40 cm.
Answer: $(40 \div 4 = 10)$ cm
8. Find the breadth of a rectangle whose area is 72 sq cm and length is 9 cm.
Answer: $(72 \div 9 = 8)$ cm
9. Write the formula for the perimeter of a rectangle.
Answer: $(2 \times (\text{length} + \text{breadth}))$

10. Find the area of a rectangle of length 15 cm and breadth 4 cm.

Answer: $(15 \times 4 = 60)$ sq cm

Questions on Number:

1. What is the perimeter of a square of side 11 cm?

Answer: $(4 \times 11 = 44)$ cm

2. Find the area of a square of side 13 m.

Answer: $(13 \times 13 = 169)$ sq m

3. Find the perimeter of a rectangle with length 20 cm and breadth 8 cm.

Answer: $(2 \times (20 + 8) = 56)$ cm

4. Find the area of a rectangle of length 25 cm and breadth 7 cm.

Answer: $(25 \times 7 = 175)$ sq cm

5. Find the perimeter of a triangle with sides 10 cm, 12 cm, and 15 cm.

Answer: $(10 + 12 + 15 = 37)$ cm

6. Find the side of a square whose perimeter is 64 cm.

Answer: $(64 \div 4 = 16)$ cm

7. Find the breadth of a rectangle whose area is 96 sq cm and length is 12 cm.

Answer: $(96 \div 12 = 8)$ cm

8. Find the perimeter of a quadrilateral with sides 5 cm, 7 cm, 9 cm, and 6 cm.

Answer: $(5 + 7 + 9 + 6 = 27)$ cm

9. Find the area of a square field of side 18 m.

Answer: $(18 \times 18 = 324)$ sq m

10. Find the perimeter of a rectangle of length 14 m and breadth 9 m.

Answer: $(2 \times (14 + 9) = 46)$ m

Questions on Solve the Operation:

1. $(24 + 36 + 18 = ?)$

Answer: 78

2. $(45 \times 6 = ?)$

Answer: 270

3. $(144 \div 12 = ?)$

Answer: 12

4. $(18 \times 18 = ?)$

Answer: 324

5. $(75 - 29 = ?)$

Answer: 46

6. $(2 \times (15 + 10) = ?)$

Answer: 50

7. $(36 \div 4 = ?)$

Answer: 9

8. $(9 \times 7 = ?)$

Answer: 63

9. $(125 + 225 = ?)$

Answer: 350

10. $(80 \div 5 = ?)$

Answer: 16

Case Study Questions:

Case Study 1

Rina has a rectangular garden of length 20 m and breadth 10 m.

Find the perimeter of the garden.

Answer: length of a rectangular garden = 20m

Breadth of a rectangular garden = 10m

$$\text{Perimeter} = (2(L+B)) = (2 \times (20 + 10) = 60) \text{ m}$$

Find the area of the garden.

Answer: length of a rectangular garden = 20m

Breadth of a rectangular garden = 10m

$$\text{Area of a rectangle garden} = L \times B = (20 \times 10 = 200) \text{ sq m}$$

Case Study 2

A square playground has side 15 m.

Find the perimeter of the playground.

Answer: Side of a square = 15m

$$\text{Perimeter} = 4 \times \text{Side} = (4 \times 15 = 60) \text{ m}$$

Find the area of the playground.

Answer: Area = Side x Side = $(15 \times 15 = 225) \text{ sq m}$

Case Study 3

A carpet is 8 m long and 5 m broad.

Find the perimeter of the carpet.

Answer: length of a carpet = 8m

Breadth of a carpet = 5m

$$\text{Perimeter} = (2(L+B)) = (2 \times (8 + 5) = 26) \text{ m}$$

Find the area of the carpet.

Answer: length of a carpet= 8m

Breadth of a carpet= 5m

$$\text{Area of a carpet} = L \times B = (8 \times 5 = 40) \text{ sq m}$$

Case Study 4

A triangular park has sides 14 m, 16 m, and 20 m.

Find the perimeter of the park.

Answer: The three side of a triangle park = 14,16 20

$$\text{Perimeter} = a+b+c = (14 + 16 + 20 = 50) \text{ m}$$

Case Study 5

A square photo frame has perimeter 48 cm.

Find the length of one side.

Answer: Perimeter of a square frame = 48

$$\text{Length of the frame} = (\text{Perimeter} \div 4) = (48 \div 4 = 12) \text{ cm}$$

Find its area.

Answer: Side square frame = 12

$$\text{Area of the frame} = (\text{Side} \times \text{Side}) = (12 \times 12 = 144) \text{ sq cm}$$

Word Problems:

1. A rectangle has length 18 cm and breadth 7 cm. Find its perimeter.

Answer: $(2 \times (18 + 7) = 50) \text{ cm}$

2. A square field has side 25 m. Find its area.

Answer: $(25 \times 25 = 625) \text{ sq m}$

3. A triangle has sides 9 cm, 11 cm, and 13 cm. Find its perimeter.

Answer: $(9 + 11 + 13 = 33) \text{ cm}$

4. A rectangular room is 12 m long and 9 m broad. Find its area.

Answer: $(12 \times 9 = 108) \text{ sq m}$

5. A square picture frame has perimeter 72 cm. Find the side.

Answer: $(72 \div 4 = 18)$ cm

6. The area of a rectangle is 84 sq cm and its length is 12 cm. Find the breadth.

Answer: $(84 \div 12 = 7)$ cm

7. A ribbon is used around a square box of side 14 cm. Find the total ribbon length needed.

Answer: $(4 \times 14 = 56)$ cm

8. A farmer fenced a rectangular field of length 30 m and breadth 20 m. Find the total fencing length.

Answer: $(2 \times (30 + 20) = 100)$ m

9. A square tile has side 6 cm. Find its area.

Answer: $(6 \times 6 = 36)$ sq cm

10. A book cover is 24 cm long and 16 cm broad. Find its area.

Answer: $(24 \times 16 = 384)$ sq cm