

Chapter 1 : Numbers Upto 6-Digits

Do as Directed :

1. Write the expanded form of 45,326.
Answer: $40,000 + 5,000 + 300 + 20 + 6$
 2. Write the standard form of $70,000 + 5,000 + 400 + 9$.
Answer: 75,409
 3. Put commas in the number: 654321
Answer: 6,54,321
 4. Write the number name of 92,783.
Answer: Ninety-two thousand seven hundred eighty-three
 5. Write the successor of 56,999.
Answer: 57,000
 6. Write the predecessor of 10,000.
Answer: 9,999
 7. Arrange in ascending order: 54321, 45231, 65432, 32145
Answer: 32145, 45231, 54321, 65432
 8. Arrange in descending order: 87654, 76543, 98765, 65432
Answer: 98765, 87654, 76543, 65432
 9. Round off 678 to the nearest 100.
Answer: 700
 10. Write the Roman numeral for 46.
Answer: XLVI
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Questions on Number :

1. What is the smallest 5-digit number?
Answer: 10,000
2. What is the greatest 6-digit number?
Answer: 9,99,999
3. Write the place value of 5 in 45,672.
Answer: 5,000
4. Write the face value of 8 in 3,48,921.
Answer: 8
5. Write the number name of 1,21,407.
Answer: One lakh twenty-one thousand four hundred seven
6. Form the greatest number using digits 7, 5, 2, 9.
Answer: 9752
7. Form the smallest number using digits 4, 0, 8, 1, 9.
Answer: 10,489
8. Which is greater: 76,543 or 67,543?
Answer: 76,543
9. Write 85 in Roman numerals.
Answer: LXXXV

10. Write the expanded form of 7,64,932.

Answer: 7,00,000 + 60,000 + 4,000 + 900 + 30 + 2

Solve the Operation :

1. $45,632 + 12,458 = ?$

Answer: 58,090

2. $78,945 - 23,456 = ?$

Answer: 55,489

3. $345 \times 6 = ?$

Answer: 2,070

4. $9,876 \div 4 = ?$

Answer: 2,469

5. $56,789 + 10,111 = ?$

Answer: 66,900

6. $45,000 - 19,999 = ?$

Answer: 25,001

7. $234 \times 12 = ?$

Answer: 2,808

8. $8,400 \div 7 = ?$

Answer: 1,200

9. $678 + 999 = ?$

Answer: 1,677

10. $1,000 - 786 = ?$

Answer: 214

Case Study Questions :

Case Study 1

Priya bought a scooter for ₹82,609 and Raj bought a bike for ₹1,32,576.

1. Who bought the costlier vehicle?

Answer: Raj

2. Find the difference between the prices.

Answer: ₹49,967

Case Study 2

A train travelled 434 km and a bus travelled 153 km.

1. What is the total distance travelled?

Answer: Travelled by train = 434km

Travelled by Bus = 153 km

Total distance travelled = $434+153 = 587$ km

Case Study 3

Ramesh bought a car for ₹7,56,216.

1. Write the number name of ₹7,56,216.

Answer: Seven lakh fifty-six thousand two hundred sixteen

Case Study 4

A number is 1,59,692.

1. Write its expanded form.

Answer: $1,00,000 + 50,000 + 9,000 + 600 + 90 + 2$

Word Problems :

1. A school has 23,456 boys and 21,789 girls. Find the total number of students.
Answer: 45,245 students
2. A shopkeeper sold goods worth ₹56,780 on Monday and ₹43,220 on Tuesday. Find the total sale.
Answer: ₹1,00,000
3. A bus travelled 345 km on one day and 289 km on the next day. Find the total distance travelled.
Answer: 634 km
4. Ravi had ₹5,000. He spent ₹2,345. How much money is left?
Answer: ₹2,655
5. A factory made 7,654 toys in January and 8,321 toys in February. Find the total toys made.
Answer: 15,975 toys
6. A train ticket costs ₹1,250. What will be the cost of 8 tickets?
Answer: ₹10,000
7. A library has 12,345 books. If 2,345 books are issued, how many books are left?
Answer: 10,000 books
8. A farmer packed 4,860 apples equally in 6 boxes. How many apples are in each box?
Answer: 810 apples
9. A car covered 1,250 km in 5 days. Find the average distance covered each day.
Answer: 250 km
10. A stadium can hold 75,000 people. If 68,543 seats are filled, how many seats are empty?
Answer: 6,457 seats

Chapter 2: Addition and Subtraction

Do as Directed :

1. Add 1 to 4567.
Answer: 4568
 2. Subtract 0 from 9823.
Answer: 9823
 3. Write the successor of 7899.
Answer: 7900
 4. Write the predecessor of 6500.
Answer: 6499
 5. Fill in the blank: $5600 + \underline{\quad} = 5601$
Answer: 1
 6. Fill in the blank: $9800 - \underline{\quad} = 9800$
Answer: 0
 7. Arrange in columns and add: $2345 + 3210$
Answer: 5555
 8. Arrange in columns and subtract: $8765 - 4321$
Answer: 4444
 9. Round off 487 to the nearest hundred.
Answer: 500
 10. Estimate: $72 + 28$
Answer: 100
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Questions on Number :

1. What is the successor of 9999?
Answer: 10000
2. What is the predecessor of 4500?
Answer: 4499
3. Write the largest 4-digit number.
Answer: 9999
4. Write the smallest 5-digit number.
Answer: 10000
5. What is 1 more than 6789?
Answer: 6790
6. What is 1 less than 5000?
Answer: 4999
7. Write the place value of 5 in 3524.
Answer: 500
8. How many hundreds are there in 4500?
Answer: 45 hundreds
9. Write $7000 + 300 + 20 + 5$ in numeral form.
Answer: 7325
10. Compare using $>$ or $<$: $4567 \underline{\quad} 4657$
Answer: $4567 < 4657$

Solve the Operation :

1. $2345 + 1234 =$
Answer: 3579
 2. $5678 - 2345 =$
Answer: 3333
 3. $4567 + 3211 =$
Answer: 7778
 4. $9000 - 4567 =$
Answer: 4433
 5. $6789 + 1111 =$
Answer: 7900
 6. $8000 - 2456 =$
Answer: 5544
 7. $3456 + 6543 =$
Answer: 9999
 8. $9999 - 1234 =$
Answer: 8765
 9. $4321 + 5678 =$
Answer: 9999
 10. $7000 - 2999 =$
Answer: 4001
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Case Study Questions :

Case Study:

A school organized a picnic. There were 2450 students and 350 teachers. The total number of seats in buses was 3000.

1. How many people went for the picnic all together?
Answer: Number of students = 2450

Number of Teachers = 350

Total people travelled together = $2450 + 350 = 2800$
2. How many seats were left vacant?
Answer: Total number of seats = 3000

Seats occupy = 2800

Number of seats vacant = $3000 - 2800 = 200$
3. If 150 more students joined, how many people would go?
Answer: Number of students joined = 150

Total Number people would go = $2800 + 150 = 2950$

4. Would all people get seats after 150 more students joined?

Answer: Yes

5. How many seats would remain vacant then?

Answer: total seats = 3000

Number of students occupied = 2950

Total number seats vacant = $3000 - 2950 = 50$

Word Problems :

1. Riya bought a dress for ₹2450 and shoes for ₹1250. How much did she spend?
Answer: ₹3700
2. A library had 8500 books. 2350 books were borrowed. How many books are left?
Answer: 6150 books
3. A farmer harvested 4567 kg wheat and 3211 kg rice. Find the total harvest.
Answer: 7778 kg
4. A bus had 5000 passengers in a week. 1875 passengers traveled on Monday. How many passengers traveled on the remaining days?
Answer: 3125 passengers
5. Rahul saved ₹350 every month for 12 months. How much did he save?
Answer: ₹4200
6. A shopkeeper had 900 chocolates. He sold 675 chocolates. How many chocolates are left?
Answer: 225 chocolates
7. A train traveled 2345 km on the first day and 3456 km on the second day. Find the total distance.
Answer: 5801 km
8. There were 6500 people in a stadium. 2750 left after the match. How many remained?
Answer: 3750 people
9. A school collected ₹12500 for charity and spent ₹4560. How much money remained?
Answer: ₹7940
10. A factory produced 7865 toys and sold 4321 toys. How many toys were left?
Answer: 3544 toys

Chapter 3: Multiplication

Do as Directed :

1. Write as repeated addition:
 4×5
Answer: $5 + 5 + 5 + 5 = 20$
 2. Fill in the blank:
 $25 \times 1 = \underline{\quad}$
Answer: 25
 3. Fill in the blank:
 $78 \times 0 = \underline{\quad}$
Answer: 0
 4. Complete the order property:
 $6 \times 9 = 9 \times \underline{\quad}$
Answer: 6
 5. Find the product:
 13×7
Answer: 91
 6. Convert into multiplication:
 $8 + 8 + 8 + 8$
Answer: $4 \times 8 = 32$
 7. Estimate the product:
 48×19 (nearest 10)
Answer: $50 \times 20 = 1000$ $50 \times 20 = 1000$
 8. Fill in the blank:
 $35 \times 10 = \underline{\quad}$
Answer: 350
 9. Find the missing factor:
 $\underline{\quad} \times 5 = 45$
Answer: 9
 10. Compare using $>$, $<$ or $=$:
 $12 \times 10 \underline{\quad} 12 \times 100$
Answer: $<$
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Questions on Number :

1. What is the product of 24 and 5?
Answer: 120
2. Multiply 135 by 4.
Answer: 540
3. Find the product of 87 and 6.
Answer: 522
4. Multiply 203 by 3.
Answer: 609
5. What is 99×9 ?
Answer: 891
6. Multiply 125 by 8.
Answer: 1000
7. Find the product of 56 and 12.
Answer: 672
8. Multiply 321 by 20.
Answer: 6420

9. What is 45×30 ?
Answer: 1350
10. Multiply 502 by 7.
Answer: 3514
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Solve the Operation :

1. 23×4
Answer: 92
2. 145×3
Answer: 435
3. 67×8
Answer: 536
4. 214×5
Answer: 1070
5. 321×6
Answer: 1926
6. 450×9
Answer: 4050
7. 72×11
Answer: 792
8. 126×12
Answer: 1512
9. 304×25
Answer: 7600
10. 512×13
Answer: 6656
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Case Study Questions :

Case Study 1

A shop has 24 boxes. Each box contains 12 chocolates.

Question: How many chocolates are there in all?

Answer: Number of boxes = 24

Each box has chocolate = 12

Total number of chocolate = $24 \times 12 = 288$ chocolates

Case Study 2

A school has 18 classrooms. Each classroom has 35 students.

Question: How many students are there in total?

Answer: Total classroom in school = 18

Each class has students = 35

Total students in the class = $18 \times 35 = 630$ students

Case Study 3

A farmer planted 125 trees in each row. There are 14 rows.

Question: How many trees did the farmer plant?

Answer: Number of trees planted = 125

Number of rows = 14

Total number of trees planted = $125 \times 14 = 1750$ trees

Case Study 4

A factory makes 256 toys every day for 7 days.

Question: How many toys are made in a week?

Answer: Number of toys produced in a factory everyday = 256

Total number of days in a week = 7

Total toys made in a week = $256 \times 7 = 1792$ toys

Case Study 5

A bus carries 48 passengers in one trip. It makes 15 trips.

Question: How many passengers travel altogether?

Answer: In one trip bus carry passenger = 48

Number of trip done = 15

Total passengers travelled = $48 \times 15 = 720$ passengers

Word Problems :

1. A basket contains 14 apples. How many apples are there in 9 baskets?
Answer: $14 \times 9 = 126$ apples
2. One notebook costs ₹35. What is the cost of 12 notebooks?
Answer: $35 \times 12 = ₹420$
3. A classroom has 32 benches. Each bench seats 2 students. How many students can sit?
Answer: $32 \times 2 = 64$ students
4. A box contains 48 crayons. How many crayons are there in 6 boxes?
Answer: $48 \times 6 = 288$
5. A farmer has 25 cows. Each cow gives 8 litres of milk daily. How much milk is produced daily?
Answer: $25 \times 8 = 200$ litres
6. A packet has 36 biscuits. How many biscuits are there in 15 packets?
Answer: $36 \times 15 = 540$
7. One bag contains 50 kg rice. How much rice is there in 18 bags?
Answer: $50 \times 18 = 900$ kg
8. A school bought 24 computers costing ₹18,000 each. Find the total cost.
Answer: $24 \times 18,000 = ₹4,32,000$
9. A train travels 85 km in one hour. How far will it travel in 9 hours?
Answer: $85 \times 9 = 765$ km
10. There are 365 days in a year. How many days are there in 4 years?
Answer: $365 \times 4 = 1460$ days

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
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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

Number of boxes = $48 \div 6 = 8$ 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 (10 Questions with Answers)

1. Draw a line segment of length 5 cm.
Answer: Line segment $AB = 5\text{ cm}$
 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
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Questions on Number (10 Questions with Answers)

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

Solve the Operation (10 Questions with Answers)

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

Case Study Questions (5 Questions with Answers)

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 (10 Questions with Answers)

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

10 Do as Directed Questions with Answers

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 = $___ \times$ 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

10 Questions on Number with Answers

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
-

10 Questions on Solve the Operation with Answers

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
-

5 Case Study Questions with Answers

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

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

Find the area of the garden.

Answer: length of a rectangular garden = 20m

Breadth of a rectangular garden = 10m

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

Case Study 2

A square playground has side 15 m.

Find the perimeter of the playground.

Answer: Side of a square = 15m

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

Find the area of the playground.

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

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

Find the area of the carpet.

Answer: length of a carpet= 8m

Breadth of a carpet = 5 m

Area of a carpet = $L \times B = (8 \times 5 = 40)$ 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

Perimeter = $a+b+c = (14 + 16 + 20 = 50)$ 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

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

Find its area.

Answer: Side square frame = 12

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

10 Word Problems with Answers

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

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

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

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

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

Answer: $(9 + 11 + 13 = 33)$ cm

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

Answer: $(12 \times 9 = 108)$ 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