2cool4school - Grade 6 Mathematics Worksheet

Q1 - Mathematics - Time

How many minutes are there in 2 hours?

1. 120
2. 90
3. 100
4. 110

Q2 - Mathematics - Time

What is the total number of days in a leap year?

1. 367
2. 365
3. 364
4. 366

Q3 - Mathematics - Time

If it's 10:00 AM now, what time will it be in 3 hours and 45 minutes?

1. 1:45 PM
2. 1:15 PM
3. 1:15 PM
4. 2:15 PM

Q4 - Mathematics - Time

If a train departs at 9:30 AM and arrives at 2:15 PM, how long is the journey?

1. 4 hours 45 minutes
2. 5 hours 15 minutes
3. 5 hours 45 minutes
4. 4 hours 15 minutes

Q5 - Mathematics - Time

How many hours are there in a week?

1. 168
2. 160
3. 172

4. 180

Q6 - Mathematics - Time

How many months have 31 days?

1. 7
2. 6
3. 8
4. 5

Q7 - Mathematics - Time

What time is 45 minutes after 7:20 PM?

1. 8:05 PM
2. 8:00 PM
3. 7:55 PM
4. 8:15 PM

Q8 - Mathematics - Time

If a clock shows 4:50 PM, what will be the time 1 hour and 15 minutes later?

1. 6:05 PM
2. 5:55 PM
3. 6:15 PM
4. 5:05 PM

Q9 - Mathematics - Time

How many days are in 3 weeks?

1. 21
2. 18
3. 24
4. 30

Q10 - Mathematics - Time

What fraction of an hour is 15 minutes?

1. 1/4

2. 1/3

3. 1/5

4. 1/2

Q11 - Mathematics - Time

How many seconds are there in 5 minutes?

1. 450
2. 500
3. 600
4. 300

Q12 - Mathematics - Time

How many complete weeks are in 50 days?

1. 7 weeks
2. 6 weeks
3. 8 weeks
4. 7 weeks 1 day

Q13 - Mathematics - Time

If a person wakes up at 6:30 AM and sleeps at 9:45 PM, how many hours are they awake?

1. 15 hours 15 minutes
2. 14 hours 30 minutes
3. 16 hours 45 minutes
4. 14 hours 15 minutes

Q14 - Mathematics - Time

If it's 10:00 AM now, what time will it be in 3 hours and 45 minutes?

1. 1:45 PM
2. 1:15 PM
3. 2:00 PM
4. 2:15 PM

Q15 - Mathematics - Time

If a movie starts at 3:15 PM and lasts for 2 hours and 30 minutes, what time does it end?

1. 6:15 PM
2. 5:15 PM
3. 6:00 PM
4. 5:45 PM

Q16 - Mathematics - Data Probability

What is the probability of rolling a 3 on a fair six-sided die?

1. 1/6
2. 1/3
3. 1/2
4. 1/4

Q17 - Mathematics - Data Probability

A bag contains 4 red, 3 blue, and 3 yellow balls. What is the probability of picking a red ball?

1. 1/3
2. 4/10
3. 2/5
4. 3/10

Q18 - Mathematics - Data Probability

If you flip a fair coin, what is the probability of getting heads?

1. 1/2
2. 1/3
3. 1/4
4. 1

Q19 - Mathematics - Data Probability

A fair spinner is divided into 5 equal sections numbered 1 to 5. What is the probability of landing on a 2?

1. 1/3
2. 1/5

3. 2/5

4. 3/5

Q20 - Mathematics - Data Probability

A bag contains 3 red, 2 blue, and 5 green marbles. What is the probability of drawing a blue marble?

1. 2/10
2. 1/5
3. 2/5
4. 3/10

Q21 - Mathematics - Data Probability

A deck of 52 cards has 13 hearts. What is the probability of drawing a heart?

1. 1/4
2. 1/3
3. 2/5
4. 1/6

Q22 - Mathematics - Data Probability

If you roll two fair dice, what is the probability that their sum is 7?

1. 1/9
2. 1/12
3. 1/6
4. 1/8

Q23 - Mathematics - Data Probability

The probability of an event occurring is 2/7. What is the probability of it not occurring?

1. 5/7
2. 2/5
3. 1/7
4. 3/7

Q24 - Mathematics - Data Probability

A number is randomly chosen from 1 to 10. What is the probability of choosing an even number?

1. 3/10

2. 2/5

3. 1/2

4. 1/3

Q25 - Mathematics - Data Probability

A box contains 8 pens: 3 black, 2 blue, and 3 red. If a pen is randomly picked, what is the probability of choosing a black pen?

1. 3/8

2. 2/8

3. 5/8

4. 1/8

Q26 - Mathematics - Data Probability

A jar contains 5 green, 4 yellow, and 6 red candies. What is the probability of randomly selecting a yellow candy?

1. 4/15

2. 5/15

3. 6/15

4. 3/15

Q27 - Mathematics - Data Probability

A number is randomly chosen from 1 to 10. What is the probability of choosing an even number?

1. 1/2

2. 2/5

3. 3/10

4. 1/3

Q28 - Mathematics - Data Probability

You roll a fair die twice. What is the probability of rolling a 4 both times?

1. 1/6

2. 1/36

3. 1/12

4. 1/8

Q29 - Mathematics - Data Probability

A spinner is divided into 8 equal sections numbered 1 to 8. What is the probability of landing on an

odd number?

1. 1/4
2. 1/2
3. 3/8
4. 5/8

Q30 - Mathematics - Data Probability

The probability of an event happening is 3/8. What is the probability that it does not happen?

1. 1/8
2. 3/5
3. 5/8
4. 7/8

Q31 - Mathematics - Financial Literacy

How much do you save on a $120 item with a 25% discount?

1. 30
2. 25
3. 40
4. 35

Q32 - Mathematics - Financial Literacy

If a 500-gram package of pasta costs $2.50, what is the price per kilogram?

1. 7.5
2. 2.5
3. 10
4. 5

Q33 - Mathematics - Financial Literacy

An item priced at $80 is on sale for 30% off. How much do you save?

1. 24
2. 30
3. 20
4. 32

Q34 - Mathematics - Financial Literacy

A 24-pack of soda costs $12. What is the cost per can?

1. 0.5
2. 0.4
3. 0.6
4. 0.55

Q35 - Mathematics - Financial Literacy

If 0.75 pounds of cheese costs $6, what is the price per pound?

1. 8
2. 7.5
3. 9
4. 10

Q36 - Mathematics - Financial Literacy

A 2-liter bottle of soda is priced at $1.80. What is the cost per milliliter?

1. 0.0009
2. 0.009
3. 0.09
4. 0.9

Q37 - Mathematics - Financial Literacy

If a 12-ounce box of cereal costs $3.60, what is the unit price per ounce?

1. 0.5
2. 0.25
3. 0.4
4. 0.3

Q38 - Mathematics - Financial Literacy

If a shirt originally costs $50 and is marked down by 20%, what is the new price?

1. 40
2. 45
3. 30

4. 35

Q39 - Mathematics - Financial Literacy

You want to leave a 20% tip on a $75 service. How much is the tip?

1. 12.5
2. 20
3. 15
4. 10

Q40 - Mathematics - Financial Literacy

A 1.5-liter bottle of juice costs $4.50. What is the price per liter?

1. 5
2. 4.5
3. 2.5
4. 3

Q41 - Mathematics - Financial Literacy

If you borrow $200 at an annual interest rate of 5%, how much interest will you owe after one year?

1. 20
2. 5
3. 10
4. 15

Q42 - Mathematics - Financial Literacy

What is a 15% tip on a $45 restaurant bill?

1. 6.75
2. 5.5
3. 7.25
4. 8

Q43 - Mathematics - Financial Literacy

If you invest $500 at an annual interest rate of 4%, how much interest will you earn in one year?

1. 10

2. 40
3. 20
4. 25

Q44 - Mathematics - Financial Literacy

Which discount offers a greater savings: 20% off $50 or 15% off $60?

1. Cannot determine
2. 15% off $60
3. Both are the same
4. 20% off $50

Q45 - Mathematics - Financial Literacy

Which is a better deal: Buy one get one free on a $30 item or 50% off the same item?

1. Both are the same
2. 50% off
3. Buy one get one free
4. Depends on the store

Q46 - Mathematics - Spatial Sense - Measurement

What is the basic unit of length in the metric system?

1. Meter
2. Gram
3. Liter
4. Kilogram

Q47 - Mathematics - Spatial Sense - Measurement

How many centimeters are in a meter?

1. 10
2. 100
3. 1000
4. 1

Q48 - Mathematics - Spatial Sense - Measurement

A right angle measures how many degrees?

1. 90
2. 180
3. 45
4. 360

Q49 - Mathematics - Spatial Sense - Measurement

What tool do we use to measure angles?

1. Ruler
2. Compass
3. Protractor
4. Square

Q50 - Mathematics - Spatial Sense - Measurement

What is the total sum of the interior angles of a triangle?

1. 90
2. 180
3. 270
4. 360

Q51 - Mathematics - Spatial Sense - Measurement

What is the formula for the area of a rectangle?

1. Length + Width
2. Length Width
3. Length Width
4. 2 (Length + Width)

Q52 - Mathematics - Spatial Sense - Measurement

What is the area of a triangle with a base of 10 cm and a height of 5 cm?

1. 50 cm
2. 25 cm
3. 15 cm
4. 10 cm

Q53 - Mathematics - Spatial Sense - Measurement

A quadrilateral with only one pair of parallel sides is called a...?

1. Square
2. Trapezoid
3. Rhombus
4. Parallelogram

Q54 - Mathematics - Spatial Sense - Measurement

What is the volume of a cube with a side length of 4 cm?

1. 64 cm
2. 16 cm
3. 8 cm
4. 32 cm

Q55 - Mathematics - Spatial Sense - Measurement

If two angles are complementary, their sum is...?

1. 90
2. 180
3. 360
4. 45

Q56 - Mathematics - Spatial Sense - Measurement

What is the total sum of the exterior angles of any polygon?

1. 90
2. 180
3. 360
4. 540

Q57 - Mathematics - Spatial Sense - Measurement

What is the formula for the surface area of a rectangular prism?

1. 2 (L W + L H + W H)
2. L W H
3. L + W + H
4. L W + H

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Q58 - Mathematics - Spatial Sense - Measurement

What is the relationship between opposite angles when two lines intersect?

1. They are equal
2. They add up to 180
3. They add up to 360
4. One is always 90

Q59 - Mathematics - Spatial Sense - Measurement

What is the area of a trapezoid with bases of 10 cm and 6 cm, and a height of 4 cm?

1. 64 cm
2. 32 cm
3. 40 cm
4. 24 cm

Q60 - Mathematics - Spatial Sense - Measurement

Which of the following 3D shapes has a circular base and a curved surface?

1. Cube
2. Cylinder
3. Pyramid
4. Cone

Q61 - Mathematics - Statistics

What is the mean of the following set of numbers: 5, 7, 9, 10, 14?

1. 9
2. 10
3. 11
4. 12

Q62 - Mathematics - Statistics

Which measure of central tendency represents the most frequently occurring number in a data set?

1. Mean
2. Median
3. Mode

4. Range

Q63 - Mathematics - Statistics

In a data set, which measure of central tendency is the middle value when the numbers are arranged in ascending order?

1. Mean
2. Median
3. Mode
4. Range

Q64 - Mathematics - Statistics

How do you find the mean of a data set?

1. Add all numbers and divide by the number of values.
2. Subtract the smallest number from the largest.
3. Identify the most frequently occurring number.
4. Find the middle value when arranged in order.

Q65 - Mathematics - Statistics

What is the median of the following data set: 4, 8, 15, 16, 23, 42?

1. 15
2. 16
3. 19.5
4. 14.5

Q66 - Mathematics - Statistics

In a line plot, what does each 'X' above a number represent?

1. The frequency of that number in the data set.
2. The value of the data point.
3. The range of the data set.
4. The mean of the data set.

Q67 - Mathematics - Statistics

What is the first step in creating a bar graph?

1. Collecting and organizing data
2. Drawing bars of different heights
3. Finding the mean of the data
4. Calculating the range

Q68 - Mathematics - Statistics

In a bar graph, what does the height of each bar represent?

1. The frequency of a category
2. The total number of data points
3. The median of the data
4. The range of the data

Q69 - Mathematics - Statistics

Which type of graph is best for showing parts of a whole?

1. Bar graph
2. Line graph
3. Pie chart
4. Histogram

Q70 - Mathematics - Statistics

What is the range of the following data set: 3, 8, 12, 15, 22?

1. 19
2. 20
3. 21
4. 22

Q71 - Mathematics - Statistics

What is the best measure of central tendency when there is an extreme outlier in the data set?

1. Mean
2. Median
3. Mode
4. Range

Q72 - Mathematics - Statistics

What is a histogram used for?

1. Showing how data changes over time
2. Comparing parts of a whole
3. Displaying the frequency of data in intervals
4. Listing all data points individually

Q73 - Mathematics - Statistics

If a set of data has two modes, what is it called?

1. Bimodal
2. Unimodal
3. Multimodal
4. No mode

Q74 - Mathematics - Statistics

What is the median of the following data set: 4, 8, 15, 16, 23, 42?

1. 15
2. 16
3. 19.5
4. 14.5

Q75 - Mathematics - Statistics

What is the purpose of a line graph?

1. Showing trends over time
2. Comparing categories
3. Displaying percentages
4. Grouping data into intervals

Q76 - Mathematics - Algebra Coding

What is a variable in algebra?

1. A symbol that represents a number
2. A fixed number that never changes
3. An operator that adds values
4. A punctuation mark

Q77 - Mathematics - Algebra Coding

How do parentheses affect the calculation 2*(3+4)?

1. They change the addition to subtraction
2. They have no effect on the result
3. They cause multiplication to be done first
4. They ensure addition is performed before multiplication, resulting in 14

Q78 - Mathematics - Algebra Coding

What is the purpose of an 'if' statement in coding?

1. To declare variables
2. To repeat a block of code
3. To execute code only when a condition is true
4. To display output

Q79 - Mathematics - Algebra Coding

Evaluate the expression: 3x + 2 when x = 4.

1. 14
2. 12
3. 10
4. 16

Q80 - Mathematics - Algebra Coding

What does debugging mean in coding?

1. Designing a website
2. Writing new code
3. Finding and fixing errors in the code
4. Optimizing code for speed

Q81 - Mathematics - Algebra Coding

What is a loop in coding?

1. A structure that repeats a set of instructions
2. A mistake in the code
3. A method to declare variables

4. A type of function

Q82 - Mathematics - Algebra Coding

If y = 3, what is the value of 2y - 4?

1. 6
2. 3
3. 4
4. 2

Q83 - Mathematics - Algebra Coding

Which symbol is commonly used to denote the end of a statement in many programming languages?

1. Semicolon (;)
2. Comma (,)
3. Colon (:)
4. Period (.)

Q84 - Mathematics - Algebra Coding

Which of the following best describes an arithmetic pattern?

1. A pattern with a constant ratio between terms
2. A pattern with a constant difference between terms
3. A random arrangement of numbers
4. A pattern that repeats the same number

Q85 - Mathematics - Algebra Coding

What is the result of 17 mod 5?

1. 1
2. 3
3. 5
4. 2

Q86 - Mathematics - Algebra Coding

What is the correct order of operations in mathematics?

1. Exponents, Parentheses, Addition/Subtraction, Multiplication/Division
2. Parentheses, Exponents, Multiplication/Division, Addition/Subtraction
3. Addition, Subtraction, Multiplication, Division, Exponents, Parentheses
4. Multiplication, Division, Addition, Subtraction, Parentheses, Exponents

Q87 - Mathematics - Algebra Coding

Solve for x: x + 5 = 12.

1. 7
2. 5
3. 12
4. 17

Q88 - Mathematics - Algebra Coding

Simplify the expression: 2x + 3x.

1. 6x
2. 5x
3. x^5
4. 5

Q89 - Mathematics - Algebra Coding

What is an algorithm?

1. A programming language
2. A type of computer hardware
3. A step-by-step procedure to solve a problem
4. A mathematical formula

Q90 - Mathematics - Algebra Coding

How do you represent 'a number increased by 7' algebraically?

1. 7x
2. x + 7
3. x - 7
4. 7 - x

Q91 - Mathematics - Operations Addition and Subtraction

What is the sum of 345 and 578?

1. 923
2. 923.5
3. 900
4. 890

Q92 - Mathematics - Operations Addition and Subtraction

Subtract 432 from 900.

1. 468
2. 478
3. 478.5
4. 460

Q93 - Mathematics - Operations Addition and Subtraction

Add 5.6 + 7.9.

1. 13.5
2. 13.4
3. 13.3
4. 13.2

Q94 - Mathematics - Operations Addition and Subtraction

What is the difference between 12.5 and 4.3?

1. 8.2
2. 8.1
3. 8
4. 8.3

Q95 - Mathematics - Operations Addition and Subtraction

Subtract 5/8 from 3/4.

1. 5/8
2. 1/8
3. 1/4
4. 3/8

Q96 - Mathematics - Operations Addition and Subtraction

Add 1/3 and 2/5.

1. 11/15
2. 7/15
3. 9/15
4. 8/15

Q97 - Mathematics - Operations Addition and Subtraction

What is 5.7 2.1?

1. 3.5
2. 3.6
3. 3.7
4. 3.8

Q98 - Mathematics - Operations Addition and Subtraction

Subtract 7/9 from 1.

1. 2/9
2. 1/3
3. 4/9
4. 5/9

Q99 - Mathematics - Operations Addition and Subtraction

Add 7.65 + 3.49.

1. 11.14
2. 10.14
3. 10.15
4. 11.15

Q100 - Mathematics - Operations Addition and Subtraction

What is the sum of 123 + 456?

1. 579
2. 589
3. 590

4. 588

Q101 - Mathematics - Operations Addition and Subtraction

Subtract 9 from 1,000.

1. 991
2. 993
3. 997
4. 992

Q102 - Mathematics - Operations Addition and Subtraction

Add 3/4 and 5/6.

1. 19/12
2. 17/12
3. 9/12
4. 7/12

Q103 - Mathematics - Operations Addition and Subtraction

What is the difference between 8.3 and 3.7?

1. 4.6
2. 4.5
3. 4.4
4. 4.3

Q104 - Mathematics - Operations Addition and Subtraction

Add 2/3 and 3/4.

1. 17/12
2. 19/12
3. 5/12
4. 13/12

Q105 - Mathematics - Operations Addition and Subtraction

Subtract 7.2 from 10.5.

1. 3.3

2. 3.2
3. 3.1
4. 3.4

Q106 - Mathematics - Algebra Equations and Inequalities

What is the value of x in the equation 3x + 2 = 11?

1. 3
2. 4
3. 5
4. 6

Q107 - Mathematics - Algebra Equations and Inequalities

Which equation represents: "Three times a number is 12"?

1. 3x = 12
2. x + 3 = 12
3. 3x + 12 = 12
4. x * 3 = 12

Q108 - Mathematics - Algebra Equations and Inequalities

Solve for y: 5y - 10 = 20.

1. 4
2. 5
3. 6
4. 7

Q109 - Mathematics - Algebra Equations and Inequalities

What is the solution for 2x + 3 = 9?

1. 2
2. 3
3. 4
4. 5

Q110 - Mathematics - Algebra Equations and Inequalities

Which of the following is an inequality?

1. 3x + 2 = 5
2. 4y - 1 = 7
3. x > 4
4. 2a + 3 = 8

Q111 - Mathematics - Algebra Equations and Inequalities

What is the value of x in the equation 2x + 6 = 14?

1. 4
2. 5
3. 6
4. 7

Q112 - Mathematics - Algebra Equations and Inequalities

Solve for z: 7z + 3 = 24.

1. 3
2. 4
3. 5
4. 6

Q113 - Mathematics - Algebra Equations and Inequalities

What is the solution for 2x - 3 = 7?

1. 3
2. 4
3. 5
4. 6

Q114 - Mathematics - Algebra Equations and Inequalities

Which of the following represents the expression "twice a number x"?

1. 2x
2. x + 2
3. x * 2
4. 2 + x

Q115 - Mathematics - Algebra Equations and Inequalities

Which inequality represents: 'A number x is at least 7'?

1. x < 7
2. x 7
3. x > 7
4. x 7

Q116 - Mathematics - Algebra Equations and Inequalities

What is the value of x in the equation 5x = 20?

1. 3
2. 4
3. 5
4. 6

Q117 - Mathematics - Algebra Equations and Inequalities

Which of the following is a true equation?

1. x + 4 = 10
2. x - 3 = 12
3. x * 2 = 8
4. x + 5 = 15

Q118 - Mathematics - Algebra Equations and Inequalities

Solve for x: 2x - 4 = 8.

1. 4
2. 5
3. 6
4. 7

Q119 - Mathematics - Algebra Equations and Inequalities

Solve for y: 3y = 18.

1. 2
2. 3
3. 4
4. 6

Q120 - Mathematics - Algebra Equations and Inequalities

Which inequality represents: "x is greater than 3"?

1. x < 3
2. x 3
3. x > 3
4. x 3

Q121 - Mathematics - Financial Literacy Money and Finances

What is an advantage of using a credit card?

1. Allows you to buy now and pay later
2. No interest charges
3. Requires carrying cash
4. No spending limit

Q122 - Mathematics - Financial Literacy Money and Finances

Which factor helps reach financial goals?

1. Not setting goals
2. Impulse buying
3. Ignoring expenses
4. Creating and following a budget

Q123 - Mathematics - Financial Literacy Money and Finances

What is a disadvantage of using cash for purchases?

1. Risk of theft or loss
2. Builds credit history
3. Earns rewards points
4. Provides purchase protection

Q124 - Mathematics - Financial Literacy Money and Finances

What does 'income' refer to?

1. Borrowed money
2. Money spent
3. Money earned or received

4. Money lost

Q125 - Mathematics - Financial Literacy Money and Finances

What does a debit card allow you to do?

1. Borrow money from a bank
2. Pay directly from your bank account
3. Increase your credit score
4. Spend more than you have

Q126 - Mathematics - Financial Literacy Money and Finances

Which payment method directly deducts money from your bank account?

1. Debit card
2. Credit card
3. Gift card
4. Prepaid card

Q127 - Mathematics - Financial Literacy Money and Finances

What is an example of a variable expense?

1. Rent payment
2. Grocery bill
3. Car loan
4. Insurance premium

Q128 - Mathematics - Financial Literacy Money and Finances

What is an important step in making a budget?

1. Spending without planning
2. Ignoring bills
3. Listing income and expenses
4. Avoiding savings

Q129 - Mathematics - Financial Literacy Money and Finances

How can unexpected expenses affect financial goals?

1. They have no effect on savings

2. They increase your savings
3. They help you reach goals faster
4. They reduce the amount of money available to save

Q130 - Mathematics - Financial Literacy Money and Finances

Why is it important to have a budget?

1. To avoid saving money
2. To spend all your money
3. To track income and expenses
4. To increase debt

Q131 - Mathematics - Financial Literacy Money and Finances

What is a benefit of saving money?

1. Spending more than you earn
2. Being prepared for emergencies
3. Increasing your debt
4. Ignoring financial goals

Q132 - Mathematics - Financial Literacy Money and Finances

Which step helps in achieving a financial goal?

1. Avoiding savings
2. Ignoring expenses
3. Spending without a budget
4. Creating a plan

Q133 - Mathematics - Financial Literacy Money and Finances

What is an example of a financial goal?

1. Spending without a plan
2. Saving for a new bike
3. Not tracking expenses
4. Ignoring income sources

Q134 - Mathematics - Financial Literacy Money and Finances

What is an example of a fixed expense?

1. Dining out
2. Entertainment
3. Rent or mortgage
4. Shopping for clothes

Q135 - Mathematics - Financial Literacy Money and Finances

Setting aside money for a future purchase is an example of what?

1. Investment goal
2. Earning goal
3. Spending goal
4. Saving goal

Q136 - Mathematics - Ratios and Rates

Express the ratio of 3 apples to 5 oranges.

1. 3:5
2. 5:3
3. 3 to 4
4. 4:5

Q137 - Mathematics - Ratios and Rates

If 5 pencils cost $10, how much do 3 pencils cost?

1. $8
2. $5
3. $6
4. $4

Q138 - Mathematics - Ratios and Rates

Describe the ratio of 8 red marbles to 12 blue marbles.

1. 1:2
2. 3:2
3. 4:6
4. 2:3

Q139 - Mathematics - Ratios and Rates

A recipe requires 2 cups of sugar for every 3 cups of flour. How much sugar is needed for 9 cups of flour?

1. 6 cups
2. 4 cups
3. 5 cups
4. 3 cups

Q140 - Mathematics - Ratios and Rates

Which of the following is equivalent to the ratio 4:6?

1. 4:8
2. 2:3
3. 3:2
4. 6:9

Q141 - Mathematics - Ratios and Rates

A car travels 300 miles in 5 hours. What is its speed in miles per hour?

1. 55 mph
2. 50 mph
3. 75 mph
4. 60 mph

Q142 - Mathematics - Ratios and Rates

If a ratio table starts with 2:5, what is the value corresponding to 8 in the same ratio?

1. 10
2. 20
3. 15
4. 25

Q143 - Mathematics - Ratios and Rates

Which is a better buy: 5 candies for $2 or 8 candies for $3?

1. Depends on the brand
2. 5 candies for $2
3. Both the same

4. 8 candies for $3

Q144 - Mathematics - Ratios and Rates

If 12 pencils cost $3, what is the cost per pencil?

1. $0.30
2. $0.25
3. $0.50
4. $1.00

Q145 - Mathematics - Ratios and Rates

A model car is built at a 1:10 scale. If the model is 20 cm long, how long is the actual car?

1. 20 cm
2. 100 cm
3. 200 cm
4. 10 cm

Q146 - Mathematics - Ratios and Rates

Write the ratio of 7 dogs to 14 cats in simplest form.

1. 1:2
2. 7:14
3. 2:1
4. 3:4

Q147 - Mathematics - Ratios and Rates

A tape diagram shows 3 equal parts representing 9 apples. How many apples does each part represent?

1. 9
2. 3
3. 2
4. 6

Q148 - Mathematics - Ratios and Rates

Solve for x: 4/x = 8/16.

1. x = 16
2. x = 4
3. x = 8
4. x = 2

Q149 - Mathematics - Ratios and Rates

Which ratio is greater: 3:4 or 2:3?

1. Can't determine
2. 2:3
3. They are equal
4. 3:4

Q150 - Mathematics - Ratios and Rates

A graph shows a straight line passing through the origin with a slope of 2. What is the ratio represented by this line?

1. 1:1
2. 2:1
3. 1:2
4. 3:2

Q151 - Mathematics - Percents

What is 50% as a fraction?

1. 1/2
2. 1/4
3. 2/3
4. 3/4

Q152 - Mathematics - Percents

Convert 0.75 to a percent.

1. 75%
2. 7.5%
3. 0.75%
4. 750%

Q153 - Mathematics - Percents

Convert 125% to a decimal.

1. 1.25
2. 0.125
3. 12.5
4. 0.0125

Q154 - Mathematics - Percents

What is the decimal equivalent of 75%?

1. 0.75
2. 0.075
3. 7.5
4. 0.0075

Q155 - Mathematics - Percents

A jacket originally costs $80 and is now 30% off. What is the sale price?

1. $56
2. $60
3. $70
4. $50

Q156 - Mathematics - Percents

What is 25% of 200?

1. 25
2. 50
3. 100
4. 75

Q157 - Mathematics - Percents

Express 3/5 as a percent.

1. 30%
2. 60%
3. 50%

4. 75%

Q158 - Mathematics - Percents

If a shirt costs $40 and is on sale for 25% off, what is the sale price?

1. $10
2. $30
3. $25
4. $35

Q159 - Mathematics - Percents

What is 10% of 150?

1. 20
2. 10
3. 15
4. 25

Q160 - Mathematics - Percents

Convert 5/8 into a percentage.

1. 75%
2. 50%
3. 62.5%
4. 80%

Q161 - Mathematics - Percents

What is 120% of 50?

1. 70
2. 50
3. 60
4. 100

Q162 - Mathematics - Percents

If 70% of a number is 35, what is the number?

1. 60

2. 45
3. 50
4. 70

Q163 - Mathematics - Percents

What is 0.2 as a percent?

1. 200%
2. 2%
3. 0.2%
4. 20%

Q164 - Mathematics - Percents

A student scored 18 out of 20 on a test. What percent did they score?

1. 80%
2. 85%
3. 95%
4. 90%

Q165 - Mathematics - Percents

A student got 42 out of 50 on a test. What percentage is this?

1. 75%
2. 80%
3. 90%
4. 84%

Q166 - Mathematics - Algebra Mathematical Modelling

A car travels at a constant speed of 60 km/h. How far will it travel in 3 hours?

1. 180 km
2. 120 km
3. 200 km
4. 150 km

Q167 - Mathematics - Algebra Mathematical Modelling

If a recipe requires 2 cups of flour to make 12 cookies, how many cups are needed to make 30

cookies?

1. 5
2. 4
3. 6
4. 3

Q168 - Mathematics - Algebra Mathematical Modelling

A train travels 150 km in 2.5 hours. What is its average speed in km/h?

1. 60
2. 50
3. 55
4. 65

Q169 - Mathematics - Algebra Mathematical Modelling

Sarah saves $15 every week. How much will she have saved after 8 weeks?

1. 120
2. 100
3. 110
4. 130

Q170 - Mathematics - Algebra Mathematical Modelling

A rectangle has a length of 10 cm and a width of 4 cm. What is its area?

1. 40 cm
2. 20 cm
3. 30 cm
4. 50 cm

Q171 - Mathematics - Algebra Mathematical Modelling

If 5 pencils cost $3, how much do 15 pencils cost?

1. 9
2. 6
3. 12
4. 15

Q172 - Mathematics - Algebra Mathematical Modelling

A cyclist covers 24 km in 1.5 hours. What is their average speed in km/h?

1. 16
2. 14
3. 18
4. 20

Q173 - Mathematics - Algebra Mathematical Modelling

A shop sells apples at $2 each. If you buy 7 apples, how much will it cost?

1. 12
2. 14
3. 16
4. 18

Q174 - Mathematics - Algebra Mathematical Modelling

A factory produces 450 toy cars in 9 hours. How many toy cars are made per hour?

1. 40
2. 45
3. 50
4. 55

Q175 - Mathematics - Algebra Mathematical Modelling

A runner completes a 10 km race in 50 minutes. What is their average speed in km per minute?

1. 0.2
2. 0.25
3. 0.3
4. 0.35

Q176 - Mathematics - Algebra Mathematical Modelling

A farmer has 240 apples and packs them into boxes of 12. How many boxes does he need?

1. 18
2. 22
3. 20

4. 24

Q177 - Mathematics - Algebra Mathematical Modelling

If a car uses 8 liters of fuel to travel 120 km, how much fuel is needed to travel 300 km?

1. 18
2. 20
3. 22
4. 25

Q178 - Mathematics - Algebra Mathematical Modelling

A school orders 5 buses for a field trip. If each bus carries 40 students, how many students can go?

1. 160
2. 180
3. 200
4. 220

Q179 - Mathematics - Algebra Mathematical Modelling

A clock loses 5 minutes every hour. How much time will it lose in 12 hours?

1. 50 min
2. 60 min
3. 55 min
4. 65 min

Q180 - Mathematics - Algebra Mathematical Modelling

A bakery sells 3 loaves of bread for $9. How much do 10 loaves cost?

1. 27
2. 30
3. 33
4. 35

Q181 - Mathematics - Spatial Sense

Which quadrilateral has diagonals that bisect each other at right angles?

1. Rectangle

2. Rhombus
3. Parallelogram
4. Trapezoid

Q182 - Mathematics - Spatial Sense

A shape looks the same after a 180-degree rotation. What kind of symmetry does it have?

1. Rotational symmetry
2. Line symmetry
3. Mirror symmetry
4. Translation symmetry

Q183 - Mathematics - Spatial Sense

What is the line of symmetry in an isosceles triangle?

1. One vertical line
2. Two diagonal lines
3. No lines
4. One horizontal line

Q184 - Mathematics - Spatial Sense

Which view is NOT used when constructing a 3D object?

1. Top
2. Front
3. Side
4. Bottom

Q185 - Mathematics - Spatial Sense

What are the coordinates of the origin in a Cartesian plane?

1. (1,1)
2. (0,0)
3. (-1,-1)
4. (0,1)

Q186 - Mathematics - Spatial Sense

What happens to a point when it is reflected over the y-axis?

1. Its x-coordinate changes sign
2. Its y-coordinate changes sign
3. Both coordinates change
4. The point remains the same

Q187 - Mathematics - Spatial Sense

A figure is rotated 90 clockwise about the origin. What happens to its coordinates?

1. (x, y) (y, -x)
2. (x, y) (-y, x)
3. (x, y) (-x, -y)
4. (x, y) (x, y)

Q188 - Mathematics - Spatial Sense

What is the maximum angle of rotation before a shape returns to its original position?

1. 90
2. 180
3. 270
4. 360

Q189 - Mathematics - Spatial Sense

A shape is moved without rotation or reflection. What transformation is this?

1. Translation
2. Rotation
3. Reflection
4. Dilation

Q190 - Mathematics - Spatial Sense

Which transformation involves flipping a shape over a line?

1. Translation
2. Rotation
3. Reflection
4. Dilation

Q191 - Mathematics - Spatial Sense

What is a quadrilateral with exactly one pair of parallel sides?

1. Rectangle
2. Square
3. Parallelogram
4. Trapezoid

Q192 - Mathematics - Spatial Sense

Which of these transformations affects the size of a shape?

1. Translation
2. Rotation
3. Dilation
4. Reflection

Q193 - Mathematics - Spatial Sense

A point moves from (3,4) to (3,-4). What transformation is this?

1. Reflection over x-axis
2. Reflection over y-axis
3. Translation
4. Rotation

Q194 - Mathematics - Spatial Sense

Which transformation rotates a shape around a point?

1. Translation
2. Rotation
3. Reflection
4. Dilation

Q195 - Mathematics - Spatial Sense

A shape has 4 equal sides and 4 right angles. What is it?

1. Rectangle
2. Rhombus
3. Square
4. Trapezoid

Q196 - Mathematics - Data Data Literacy

What is the difference between discrete and continuous data?

1. Discrete data can take any value within a range, while continuous data can only take specific values.
2. Discrete data can only take specific values, while continuous data can take any value within a range.
3. Discrete data and continuous data are both types of qualitative data.
4. Discrete data is always represented in histograms, while continuous data is represented in bar graphs.

Q197 - Mathematics - Data Data Literacy

Which of the following is an example of discrete data?

1. The height of students in a class.
2. The number of books on a shelf.
3. The time it takes to run a race.
4. The weight of apples in a basket.

Q198 - Mathematics - Data Data Literacy

When collecting data to answer a question about a population, which type of data would be most appropriate?

1. Qualitative data
2. Quantitative data
3. Both qualitative and quantitative data
4. Neither qualitative nor quantitative data

Q199 - Mathematics - Data Data Literacy

What is the difference between discrete and continuous data?

1. Discrete data can take any value within a range, while continuous data can only take specific values.
2. Discrete data can only take specific values, while continuous data can take any value within a range.
3. Discrete data and continuous data are both types of qualitative data.
4. Discrete data is always represented in histograms, while continuous data is represented in bar graphs.

Q200 - Mathematics - Data Data Literacy

Which of the following is an example of discrete data?

1. The height of students in a class.
2. The number of books on a shelf.

3. The time it takes to run a race.
4. The weight of apples in a basket.

Q201 - Mathematics - Data Data Literacy

When collecting data to answer a question about a population, which type of data would be most appropriate?

1. Qualitative data
2. Quantitative data
3. Both qualitative and quantitative data
4. Neither qualitative nor quantitative data

Q202 - Mathematics - Data Data Literacy

How can data be organized when dealing with large sets of continuous data?

1. Using intervals
2. Listing each data point individually
3. Ignoring outliers
4. Grouping data into categories

Q203 - Mathematics - Data Data Literacy

Which type of graph is best suited to represent the distribution of a continuous data set?

1. Bar graph
2. Pie chart
3. Histogram
4. Line graph

Q204 - Mathematics - Data Data Literacy

What is an infographic?

1. A detailed table of numerical data
2. A visual representation combining data, charts, and text to tell a story
3. A type of graph that shows data trends over time
4. A statistical analysis of data sets

Q205 - Mathematics - Data Data Literacy

Which measure of central tendency is calculated by adding all the values in a data set and dividing

by the number of values?

1. Median
2. Mode
3. Mean
4. Range

Q206 - Mathematics - Data Data Literacy

How is the range of a data set determined?

1. By identifying the most frequently occurring value
2. By calculating the difference between the highest and lowest values
3. By finding the middle value when the data is ordered
4. By averaging all the values in the data set

Q207 - Mathematics - Data Data Literacy

When comparing two data sets, which measure would help determine which set has greater variability?

1. Mean
2. Median
3. Mode
4. Range

Q208 - Mathematics - Data Data Literacy

Which of the following best describes qualitative data?

1. Data represented by numbers
2. Data that describes characteristics or categories
3. Data used for calculations
4. Data that can be arranged in order

Q209 - Mathematics - Data Data Literacy

Which type of graph is best for showing parts of a whole?

1. Line graph
2. Histogram
3. Pie chart

4. Bar graph

Q210 - Mathematics - Data Data Literacy

What is the purpose of a frequency table?

1. To display data values without any organization
2. To show how often each data value occurs
3. To compare trends over time
4. To display only the highest and lowest values

Q211 - Mathematics - Operations Properties and Relationships

Which property states that the sum remains unchanged when you switch the order of numbers?

1. Commutative Property
2. Associative Property
3. Distributive Property
4. Identity Property

Q212 - Mathematics - Operations Properties and Relationships

If a = 3 and b = 5, what is a (b + 2)?

1. 15
2. 24
3. 21
4. 30

Q213 - Mathematics - Operations Properties and Relationships

What is the correct order of operations?

1. Parentheses, Exponents, Multiplication/Division, Addition/Subtraction
2. Multiplication, Division, Addition, Subtraction
3. Addition, Subtraction, Multiplication, Division
4. Exponents, Parentheses, Multiplication, Division

Q214 - Mathematics - Operations Properties and Relationships

What is the value of (10 + 5) 3?

1. 4

2. 3
3. 5
4. 6

Q215 - Mathematics - Operations Properties and Relationships

Which property states that changing the grouping of numbers does not change the sum or product?

1. Associative Property
2. Commutative Property
3. Distributive Property
4. Identity Property

Q216 - Mathematics - Operations Properties and Relationships

Which of these expressions is equivalent to 4 7 + 4 3?

1. 4 7 3
2. 4 (7 + 3)
3. (4 7) + (4 + 3)
4. 4 + (7 3)

Q217 - Mathematics - Operations Properties and Relationships

What is 3 + (5 + 2) using the Associative Property?

1. 3 + 7
2. 5 + (3 + 2)
3. 8 + 2
4. 3 + 5

Q218 - Mathematics - Operations Properties and Relationships

What is 5 + 3 2?

1. 16
2. 11
3. 10
4. 13

Q219 - Mathematics - Operations Properties and Relationships

What is 4 (2 + 3) using the Distributive Property?

1. 42 + 43
2. 4 + 2 + 3
3. 4 5
4. 2 3 + 4

Q220 - Mathematics - Operations Properties and Relationships

What is the result of 12 (3 2)?

1. 6
2. 4
3. 2
4. 8

Q221 - Mathematics - Operations Properties and Relationships

What is the missing number in 7 _ = 35?

1. 5
2. 4
3. 6
4. 8

Q222 - Mathematics - Operations Properties and Relationships

What is the value of 8 (3 + 2)?

1. 24
2. 40
3. 32
4. 48

Q223 - Mathematics - Operations Properties and Relationships

What is 9 (2 + 4)?

1. 27
2. 18
3. 54
4. 72

Q224 - Mathematics - Operations Properties and Relationships

Which property explains why 7 1 = 7?

1. Commutative Property
2. Identity Property
3. Associative Property
4. Distributive Property

Q225 - Mathematics - Operations Properties and Relationships

What is 6 2 3 following order of operations?

1. 1
2. 9
3. 6
4. 4

Q226 - Mathematics - Operations

What is 10% of 150?

1. 15
2. 10
3. 20
4. 5

Q227 - Mathematics - Operations

What is 5% of 200?

1. 10
2. 5
3. 15
4. 20

Q228 - Mathematics - Operations

What is 25% of 80?

1. 20
2. 10
3. 15
4. 25

Q229 - Mathematics - Operations

What is 70% of 280?

1. 196
2. 191
3. 201
4. 206

Q230 - Mathematics - Operations

What is 75% of 300?

1. 225
2. 220
3. 230
4. 235

Q231 - Mathematics - Operations

What is 40% of 160?

1. 59
2. 64
3. 69
4. 74

Q232 - Mathematics - Operations

What is 45% of 180?

1. 76
2. 81
3. 86
4. 91

Q233 - Mathematics - Operations

What is 50% of 200?

1. 95
2. 100
3. 105

4. 110

Q234 - Mathematics - Operations

What is 15% of 300?

1. 50
2. 30
3. 45
4. 60

Q235 - Mathematics - Operations

What is 30% of 120?

1. 41
2. 31
3. 36
4. 46

Q236 - Mathematics - Operations

What is 35% of 140?

1. 54
2. 44
3. 49
4. 59

Q237 - Mathematics - Operations

What is 55% of 220?

1. 126
2. 116
3. 121
4. 131

Q238 - Mathematics - Operations

What is 50% of 240?

1. 200

2. 100
3. 150
4. 120

Q239 - Mathematics - Operations

What is 60% of 240?

1. 154
2. 139
3. 149
4. 144

Q240 - Mathematics - Operations

What is 65% of 260?

1. 179
2. 164
3. 174
4. 169

Q241 - Mathematics - Operations Multiplication and Division

What is the prime factorization of 36?

1. 2 x 2 x 3 x 3
2. 3 x 3 x 3
3. 2 x 3 x 6
4. 6 x 6

Q242 - Mathematics - Operations Multiplication and Division

What is the product of 15 and 0.8?

1. 0.12
2. 1.2
3. 120
4. 12

Q243 - Mathematics - Operations Multiplication and Division

What is 325 0.4?

1. 130
2. 13
3. 132
4. 1300

Q244 - Mathematics - Operations Multiplication and Division

Which of the following represents 48 as a product of prime factors?

1. 6 8
2. 4 12
3. 2 3
4. 3 4

Q245 - Mathematics - Operations Multiplication and Division

What is 5 2/3?

1. 10/3
2. 2/5
3. 5/2
4. 1

Q246 - Mathematics - Operations Multiplication and Division

Find the quotient: 0.48 0.6

1. 1.2
2. 8
3. 0.08
4. 0.8

Q247 - Mathematics - Operations Multiplication and Division

If a ratio of boys to girls in a class is 3:4 and there are 21 boys, how many girls are there?

1. 28
2. 14
3. 42
4. 7

Q248 - Mathematics - Operations Multiplication and Division

If a bag contains 3 red marbles for every 5 blue marbles, what is the ratio of red to total marbles?

1. 3:5
2. 3:8
3. 5:3
4. 8:3

Q249 - Mathematics - Operations Multiplication and Division

Solve: 8 1/4

1. 16
2. 2
3. 4
4. 32

Q250 - Mathematics - Operations Multiplication and Division

Multiply: 25 0.2

1. 0.5
2. 50
3. 5
4. 2

Q251 - Mathematics - Operations Multiplication and Division

Solve: 420 0.7

1. 600
2. 60
3. 6
4. 6.0

Q252 - Mathematics - Operations Multiplication and Division

Find 20% of 150.

1. 20
2. 30
3. 50
4. 15

Q253 - Mathematics - Operations Multiplication and Division

What is 6.125 5?

1. 122.5
2. 12.25
3. 0.125
4. 1.225

Q254 - Mathematics - Operations Multiplication and Division

A car travels 300 miles in 5 hours. What is its speed in miles per hour?

1. 50
2. 60
3. 55
4. 65

Q255 - Mathematics - Operations Multiplication and Division

Calculate: 9.6 4

1. 24
2. 0.24
3. 2.4
4. 4.2

Q256 - Mathematics - Operations Math Facts

Which of the following numbers is divisible by 2?

1. 12
2. 13
3. 15
4. 17

Q257 - Mathematics - Operations Math Facts

Which of the following numbers is divisible by 8?

1. 35
2. 34
3. 32

4. 37

Q258 - Mathematics - Operations Math Facts

Which of the following numbers is divisible by 3?

1. 18
2. 20
3. 22
4. 25

Q259 - Mathematics - Operations Math Facts

Which number is both divisible by 2 and 5?

1. 21
2. 20
3. 23
4. 27

Q260 - Mathematics - Operations Math Facts

Which of the following numbers is divisible by 4?

1. 16
2. 19
3. 21
4. 23

Q261 - Mathematics - Operations Math Facts

Which number is divisible by both 5 and 9?

1. 48
2. 46
3. 45
4. 50

Q262 - Mathematics - Operations Math Facts

Which number is divisible by 2, 3, and 6?

1. 18

2. 19
3. 20
4. 22

Q263 - Mathematics - Operations Math Facts

Which number is divisible by 4, 5, and 10?

1. 26
2. 22
3. 24
4. 20

Q264 - Mathematics - Operations Math Facts

Which number is divisible by 2, 4, and 8?

1. 16
2. 18
3. 19
4. 21

Q265 - Mathematics - Operations Math Facts

Which number is divisible by 6 and 8?

1. 28
2. 25
3. 26
4. 24

Q266 - Mathematics - Operations Math Facts

Which of the following numbers is divisible by 9?

1. 82
2. 81
3. 83
4. 84

Q267 - Mathematics - Operations Math Facts

Which of the following numbers is divisible by 6?

1. 27
2. 25
3. 26
4. 24

Q268 - Mathematics - Operations Math Facts

Which of the following numbers is divisible by 10?

1. 41
2. 40
3. 42
4. 43

Q269 - Mathematics - Operations Math Facts

Which number is both divisible by 3 and 4?

1. 15
2. 13
3. 12
4. 17

Q270 - Mathematics - Operations Math Facts

Which of the following numbers is divisible by 5?

1. 28
2. 26
3. 27
4. 25

Q271 - Mathematics - Algebra Patterns and Relationships

What is the next number in the pattern: 2, 4, 8, 16, __?

1. 24
2. 32
3. 20
4. 18

Q272 - Mathematics - Algebra Patterns and Relationships

Which of these is a growing pattern?

1. 6, 6, 6, 6
2. 2, 4, 8, 16
3. 10, 9, 8, 7
4. 5, 4, 3, 2

Q273 - Mathematics - Algebra Patterns and Relationships

Identify the missing number: 5, 10,__ , 20, 25

1. 12
2. 15
3. 18
4. 22

Q274 - Mathematics - Algebra Patterns and Relationships

Which pattern follows the rule y = 3x?

1. 3, 6, 9, 12
2. 2, 4, 8, 16
3. 5, 10, 15, 20
4. 4, 8, 12, 16

Q275 - Mathematics - Algebra Patterns and Relationships

If a pattern follows the rule y = x + 5, what is y when x = 7?

1. 10
2. 12
3. 11
4. 14

Q276 - Mathematics - Algebra Patterns and Relationships

Find the missing number in the sequence: 1, 4, 9,__ , 25

1. 12
2. 16
3. 20
4. 22

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Q277 - Mathematics - Algebra Patterns and Relationships

If the pattern is x, x+3, x+6, x+9, what comes next?

1. x+12
2. x+10
3. x+14
4. x+16

Q278 - Mathematics - Algebra Patterns and Relationships

What type of pattern is 3, 6, 9, 12, 15?

1. Repeating
2. Growing
3. Shrinking
4. Random

Q279 - Mathematics - Algebra Patterns and Relationships

What comes next in the pattern: 50, 45, 40, 35, __?

1. 25
2. 28
3. 30
4. 32

Q280 - Mathematics - Algebra Patterns and Relationships

Which table of values matches y = 2x?

1. (1,2) (2,4) (3,6)
2. (1,1) (2,2) (3,3)
3. (1,3) (2,5) (3,7)
4. (1,4) (2,6) (3,8)

Q281 - Mathematics - Algebra Patterns and Relationships

Find the missing term: 100, 90, _ , 70, 60

1. 65
2. 75
3. 80

4. 85

Q282 - Mathematics - Algebra Patterns and Relationships

Find the missing number: 2, 5, 10, __, 26

1. 14
2. 15
3. 17
4. 20

Q283 - Mathematics - Algebra Patterns and Relationships

Which is a repeating pattern?

1. ABABAB
2. 123456
3. 987654
4. 246810

Q284 - Mathematics - Algebra Patterns and Relationships

Which equation represents the pattern 2, 4, 6, 8?

1. y = x/2
2. y = 2x
3. y = x-2
4. y = x+2

Q285 - Mathematics - Algebra Patterns and Relationships

The rule is y = x - 2. What is y when x = 10?

1. 8
2. 7
3. 9
4. 6

Q286 - Mathematics - Number Sense Whole Numbers

What is the value of the digit '7' in the number 572,314?

1. 7000

2. 70000
3. 700000
4. 700

Q287 - Mathematics - Number Sense Whole Numbers

What is 4 squared?

1. 8
2. 12
3. 16
4. 20

Q288 - Mathematics - Number Sense Whole Numbers

Which number is greater than 1,000,000?

1. 999999
2. 1000001
3. 500000
4. 100000

Q289 - Mathematics - Number Sense Whole Numbers

What is 3 (4 + 5)?

1. 27
2. 36
3. 12
4. 15

Q290 - Mathematics - Number Sense Whole Numbers

Which integer is located between -3 and -1?

1. -4
2. -2
3. 0
4. -1

Q291 - Mathematics - Number Sense Whole Numbers

Arrange in ascending order: -5, 3, -2, 0

1. -5, -2, 0, 3
2. 3, 0, -2, -5
3. -2, -5, 0, 3
4. 0, -2, -5, 3

Q292 - Mathematics - Number Sense Whole Numbers

What is the product of 12 and 8?

1. 92
2. 96
3. 88
4. 100

Q293 - Mathematics - Number Sense Whole Numbers

Which of the following is equal to 0.75?

1. 3/4
2. 7/10
3. 1/2
4. 2/3

Q294 - Mathematics - Number Sense Whole Numbers

What is 0.256 rounded to the nearest hundredth?

1. 0.25
2. 0.26
3. 0.255
4. 0.2

Q295 - Mathematics - Number Sense Whole Numbers

What is the GCF of 24 and 36?

1. 4
2. 6
3. 12
4. 8

Q296 - Mathematics - Number Sense Whole Numbers

Which fraction is equivalent to 0.5?

1. 1/2
2. 1/3
3. 2/5
4. 3/4

Q297 - Mathematics - Number Sense Whole Numbers

What is 1,250 rounded to the nearest hundred?

1. 1200
2. 1250
3. 1300
4. 1400

Q298 - Mathematics - Number Sense Whole Numbers

Which number is a multiple of both 3 and 5?

1. 12
2. 15
3. 20
4. 25

Q299 - Mathematics - Number Sense Whole Numbers

What is the place value of '9' in 9,847?

1. Ones
2. Tens
3. Thousands
4. Hundreds

Q300 - Mathematics - Number Sense Whole Numbers

Which of the following is an odd number?

1. 246
2. 357
3. 468
4. 580

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Answer Key

Q1: 120

Q2: 366

Q3: 1:45 PM

Q4: 5 hours 45 minutes

Q5: 168

Q6: 7

Q7: 8:00 PM

Q8: 6:15 PM

Q9: 21

Q10: 1/4

Q11: 300

Q12: 6 weeks

Q13: 16 hours 45 minutes

Q14: 1:45 PM

Q15: 5:45 PM

Q16: 1/5

Q17: 2/5

Q18: 1/2

Q19: 1/5

Q20: 2/10

Q21: 1/4

Q22: 1/6

Q23: 5/7

Q24: 1/2

Q25: 3/8

Q26: 4/15

Q27: 1/2

Q28: 1/36

Q29: 1/2

Q30: 5/8

Q31: 30

Q32: 5

Q33: 30

Q34: 0.5

Q35: 7.5

Q36: 0.0009

Q37: 0.3

Q38: 40

Q39: 15

Q40: 3

Q41: 10

Q42: 6.75

Q43: 20

Q44: 20% off $50

Q45: Buy one get one free

Q46: Meter

Q47: 100

Q48: 90

Q49: Protractor

Q50: 180

Q51: Length Width

Q52: 25 cm

Q53: Trapezoid

Q54: 64 cm

Q55: 90

Q56: 360

Q57: 2 (L W + L H + W H)

Q58: They are equal

Q59: 40 cm

Q60: Cylinder

Q61: 10

Q62: Mode

Q63: Median

Q64: Add all numbers and divide by the number of values.

Q65: 16

Q66: The frequency of that number in the data set.

Q67: Collecting and organizing data

Q68: The frequency of a category

Q69: Pie chart

Q70: 19

Q71: Median

Q72: Displaying the frequency of data in intervals

Q73: Bimodal

Q74: 16

Q75: Showing trends over time

Q76: A symbol that represents a number

Q77: They ensure addition is performed before multiplication, resulting in 14

Q78: To execute code only when a condition is true

Q79: 14

Q80: Finding and fixing errors in the code

Q81: A structure that repeats a set of instructions

Q82: 2

Q83: Semicolon (;)

Q84: A pattern with a constant difference between terms

Q85: 2

Q86: Parentheses, Exponents, Multiplication/Division, Addition/Subtraction

Q87: 7

Q88: 5x

Q89: A step-by-step procedure to solve a problem

Q90: x + 7

Q91: 923

Q92: 468

Q93: 13.5

Q94: 8.2

Q95: 5/8

Q96: 7/15

Q97: 3.5

Q98: 1/3

Q99: 11.14

Q100: 579

Q101: 991

Q102: 19/12

Q103: 4.6

Q104: 17/12

Q105: 3.3

Q106: 5

Q107: 3x = 12

Q108: 6

Q109: 3

Q110: x > 4

Q111: 7

Q112: 4

Q113: 5

Q114: 2x

Q115: x 7

Q116: 5

Q117: x + 4 = 10

Q118: 6

Q119: 3

Q120: x > 3

Q121: Allows you to buy now and pay later

Q122: Creating and following a budget

Q123: Risk of theft or loss

Q124: Money earned or received

Q125: Pay directly from your bank account

Q126: Debit card

Q127: Grocery bill

Q128: Listing income and expenses

Q129: They reduce the amount of money available to save

Q130: To track income and expenses

Q131: Being prepared for emergencies

Q132: Creating a plan

Q133: Saving for a new bike

Q134: Rent or mortgage

Q135: Saving goal

Q136: 3:5

Q137: $6

Q138: 2:3

Q139: 6 cups

Q140: 2:3

Q141: 60 mph

Q142: 20

Q143: 8 candies for $3

Q144: $0.25

Q145: 200 cm

Q146: 1:2

Q147: 3

Q148: x = 8

Q149: 3:4

Q150: 1:2

Q151: 1/2

Q152: 75%

Q153: 1.25

Q154: 0.75

Q155: $56

Q156: 50

Q157: 60%

Q158: $30

Q159: 15

Q160: 62.5%

Q161: 60

Q162: 50

Q163: 20%

Q164: 90%

Q165: 84%

Q166: 180 km

Q167: 6

Q168: 50

Q169: 120

Q170: 40 cm

Q171: 9

Q172: 16

Q173: 14

Q174: 45

Q175: 0.25

Q176: 20

Q177: 20

Q178: 200

Q179: 60 min

Q180: 33

Q181: Rhombus

Q182: Rotational symmetry

Q183: One vertical line

Q184: Bottom

Q185: (0,0)

Q186: Its x-coordinate changes sign

Q187: (x, y) (y, -x)

Q188: 360

Q189: Translation

Q190: Reflection

Q191: Trapezoid

Q192: Dilation

Q193: Reflection over x-axis

Q194: Rotation

Q195: Square

Q196: Discrete data can only take specific values, while continuous data can take any value within a range

Q197: The number of books on a shelf.

Q198: Both qualitative and quantitative data

Q199: Discrete data can only take specific values, while continuous data can take any value within a range

Q200: The number of books on a shelf.

Q201: Both qualitative and quantitative data

Q202: Using intervals

Q203: Histogram

Q204: A visual representation combining data, charts, and text to tell a story

Q205: Mean

Q206: By calculating the difference between the highest and lowest values

Q207: Range

Q208: Data that describes characteristics or categories

Q209: Pie chart

Q210: To show how often each data value occurs

Q211: Commutative Property

Q212: 21

Q213: Parentheses, Exponents, Multiplication/Division, Addition/Subtraction

Q214: 5

Q215: Associative Property

Q216: 4 (7 + 3)

Q217: 3 + 7

Q218: 11

Q219: 42 + 43

Q220: 2

Q221: 5

Q222: 40

Q223: 54

Q224: Identity Property

Q225: 9

Q226: 15

Q227: 10

Q228: 20

Q229: 196

Q230: 225

Q231: 59

Q232: 76

Q233: 95

Q234: 50

Q235: 41

Q236: 54

Q237: 126

Q238: 120

Q239: 144

Q240: 169

Q241: 2 x 2 x 3 x 3

Q242: 12

Q243: 130

Q244: 2 3

Q245: 10/3

Q246: 0.8

Q247: 28

Q248: 3:8

Q249: 32

Q250: 5

Q251: 600

Q252: 30

Q253: 1.225

Q254: 60

Q255: 2.4

Q256: 12

Q257: 32

Q258: 18

Q259: 20

Q260: 16

Q261: 45

Q262: 18

Q263: 20

Q264: 16

Q265: 24

Q266: 81

Q267: 24

Q268: 40

Q269: 12

Q270: 25

Q271: 32

Q272: 5, 4, 3, 2

Q273: 15

Q274: 3, 6, 9, 12

Q275: 11

Q276: 16

Q277: x+12

Q278: Growing

Q279: 30

Q280: (1,2) (2,4) (3,6)

Q281: 85

Q282: 17

Q283: ABABAB

Q284: y = x+2

Q285: 8

Q286: 70000

Q287: 16

Q288: 1000001

Q289: 27

Q290: -2

Q291: -5, -2, 0, 3

Q292: 96

Q293: 3/4

Q294: 0.26

Q295: 12

Q296: 1/2

Q297: 1300

Q298: 15

Q299: Thousands

Q300: 357