

THE GREAT MATH RACE

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The Great Math Race is a fun way to practice math facts. Game cards can be made up to suit individual needs or a sample deck is included. The deck of cards is split up into two categories. One is for math problem practice and the other is for vocabulary and math trivia cards. Each card has the question and answer as well as how many spaces can be moved forward for getting the question right. The first player to the Finish square wins the game.

The play starts with everyone on the Start square. Each person moves forward for their first turn by correctly answering a math problem. After a player is off of the Start square, then the type of card is chosen by the letter of the square the player is on at the beginning of each turn.

A player takes a turn by another person reading the card chosen by the letter on the player's square. The player answers the question. If it is correct, then that player gets to move forward the number of squares listed on the card. If the answer is not correct, then the play passes to the next person and the player does not advance his playing piece.

The deck is split into two piles. One is for the M cards and one is for the V cards. Each pile is placed face down near the board so each player can reach the cards to read for the other players. Take turns having players read the questions to the other players.

Playing Pieces: Cut each out. Color them different colors. Fold on the lines. Use glue or tape to join the ends for the stem to hold the piece.

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THE GREAT MATH RACE

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| START | M | V | M | M | V | V | M | M |
| | | | | | | | | M |
| V | V | M | M | V | M | V | V | V |
| M | | | | | | | | |
| M | M | V | V | V | M | V | M | M |
| | | | | | | | | V |
| V | M | V | V | V | M | M | M | V |
| M | | | | | | | | |
| M | V | V | M | M | M | V | V | V |
| | | | | | | | | M |
| FINISH | M | V | M | V | V | M | M | V |

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| M | Math Problem |
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| V | Vocab or Trivia |
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| <p style="text-align: center;">M – One Space</p> <p>Q: What is $15 - 7$?</p> <p>A: 8</p> | <p style="text-align: center;">V – One Space</p> <p>Q: What is a letter called when used in a math equation or expression?</p> <p>A: A Variable</p> |
| <p style="text-align: center;">M – One Space</p> <p>Q: Solve for X. $4 + X = 9 + 5$</p> <p>A: 10</p> | <p style="text-align: center;">V – One Space</p> <p>Q: The sum is the answer to what kind of problem?</p> <p>A: An Addition Problem</p> |
| <p style="text-align: center;">M – One Space</p> <p>Q: Solve for g. $2g - 5 = 3 + 16$</p> <p>A: 12</p> | <p style="text-align: center;">V – One Space</p> <p>Q: The difference is the answer to what kind of problem?</p> <p>A: A Subtraction Problem</p> |
| <p style="text-align: center;">M – One Space</p> <p>Q: What is $(7 - 3) \times 4(8 - 6)$?</p> <p>A: 32</p> | <p style="text-align: center;">V – One Space</p> <p>Q: The product is the answer to what kind of problem?</p> <p>A: A Multiplication Problem</p> |
| <p style="text-align: center;">M – Two Spaces</p> <p>Q: Factor: $x^2 - 2x - 48$</p> <p>A: $(x - 8)(x + 6)$</p> | <p style="text-align: center;">V – One Space</p> <p>Q: The quotient is the answer to what kind of problem?</p> <p>A: A Division Problem</p> |

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| <p style="text-align: center;">M – Two Spaces</p> <p>Q: Solve: $x^2 + 3x - 10 = 0$</p> <p>A: $x = 2$ or $x = -5$</p> | <p style="text-align: center;">V – Two Spaces</p> <p>Q: What is the distance between a number and zero?</p> <p>A: The Absolute Value</p> |
| <p style="text-align: center;">M – One Space</p> <p>Q: Solve: $3 - 4x = 18 + 5$</p> <p>A: $x = -5$</p> | <p style="text-align: center;">V – One Space</p> <p>Q: What is the number multiplied by a variable?</p> <p>A: The Coefficient</p> |
| <p style="text-align: center;">M – Two Spaces</p> <p>Q: Solve: $w + 2 - 1 = 7$</p> <p>A: $w = 6$ or $w = -10$</p> | <p style="text-align: center;">V – One Space</p> <p>Q: What is a polygon with ten sides called?</p> <p>A: A Decagon</p> |
| <p style="text-align: center;">M – One Space</p> <p>Q: What does the graph of $y = \frac{2}{3}x + 1$ look like?</p> <p>A: It is a line with a y-intercept of 1 and a slope of $\frac{2}{3}$.</p> | <p style="text-align: center;">V – One Space</p> <p>Q: What is the side of a triangle opposite the right angle?</p> <p>A: The Hypotenuse</p> |
| <p style="text-align: center;">M – Two Spaces</p> <p>Q: Multiply: $(x - 6)(x + 3)$</p> <p>A: $x^2 - 3x - 18$</p> | <p style="text-align: center;">V – One Space</p> <p>Q: What kind of fraction has a larger numerator than denominator?</p> <p>A: An Improper Fraction</p> |

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| <p style="text-align: center;">M – One Space</p> <p>Q: Simplify: $15\left(\frac{t}{3}\right)$</p> <p>A: $5t$</p> | <p style="text-align: center;">V – One Space</p> <p>Q: What is the smallest whole number that can be used as a denominator for two fractions?</p> <p>A: LCD or Least Common Denominator</p> |
| <p style="text-align: center;">M – Two Spaces</p> <p>Q: The sum of three consecutive integers is 18. What are the integers?</p> <p>A: 5, 6, 7</p> | <p style="text-align: center;">V – One Space</p> <p>Q: What is another word for the average of a set of numbers?</p> <p>A: The Mean</p> |
| <p style="text-align: center;">M – One Space</p> <p>Q: What is the slope passing through (3, 1) and (4, 2)?</p> <p>A: One</p> | <p style="text-align: center;">V – One Space</p> <p>Q: What is the number that occurs most often in a list?</p> <p>A: The Mode</p> |
| <p style="text-align: center;">M – One Space</p> <p>Q: What is the slope of the line? $4x - 3y = 15$</p> <p>A: $\frac{4}{3}$</p> | <p style="text-align: center;">V – One Space</p> <p>Q: What is a polygon with nine sides called?</p> <p>A: A Nonagon</p> |
| <p style="text-align: center;">M – One Space</p> <p>Q: Simplify: $\frac{3m^4p^3w}{6m^2p^4w^3}$</p> <p>A: $\frac{m^2}{2pw^2}$</p> | <p style="text-align: center;">V – One Space</p> <p>Q: What is the name of the intersection of the x & y axes?</p> <p>A: The Origin</p> |

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| <p style="text-align: center;">M – One Space</p> <p>Q: Find $f(-2)$ when $f(x) = 2x - 3$ A: $f(-2) = -7$</p> | <p style="text-align: center;">V – One Space</p> <p>Q: What is a u shaped figure that can be described by a quadratic equation? A: A Parabola</p> |
| <p style="text-align: center;">M – One Space</p> <p>Q: What is the width of a yard with a length of 7 feet and an area of 35 feet? A: 5 feet</p> | <p style="text-align: center;">V – One Space</p> <p>Q: What does the x and y axes divide the x-y plane into? A: Four Quadrants</p> |
| <p style="text-align: center;">M – Two Spaces</p> <p>Q: Factor: $b^3 - 81b$ A: $b(b+9)(b-9)$</p> | <p style="text-align: center;">V – One Space</p> <p>Q: What is the name for all numbers on the number line? A: Real Numbers</p> |
| <p style="text-align: center;">M – One Space</p> <p>Q: Solve: $d^2 = 49$ A: $d = 7$ or $d = -7$</p> | <p style="text-align: center;">V – One Space</p> <p>Q: What is a list of numbers set apart with commas? A: A Sequence</p> |
| <p style="text-align: center;">M – One Space</p> <p>Q: What is the mean of 5, 7, 9, 11 and 13? A: 9</p> | <p style="text-align: center;">V – One Space</p> <p>Q: What is the formula for the area of a triangle? A: $a = \frac{1}{2}bh$</p> |