**GMAT Full-Length Math Test Paper- 2**

This test stimulates the GMAT Math Section. It contains 37 math questions, which you must answer within 75 minutes. Questions include both data sufficiency and problem solving. Note: this is not an adaptive-platform. Good luck

Is my shape a rhombus?  
1. My shape is a rectangle.  
2. My shape is a square

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A fish moves in a path set by the equation D = t ^ 3 - 5t + 4. If the value of D is 2, what can be a value of t?

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|  |
|  | - 2 |
|  | -1 |
|  | 0 |
|  | 1 |
|  | 2 |

Find x if \frac{4}{x} = 5 - \frac{1}{x}.

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|  |
|  | 1 |
|  | 1, – 1 |
|  | 4/5 |
|  | - 1 |
|  | 4/5, – 4/5 |

Is S the square of an integer?  
1. S ^ 2is the square of an integer.  
2. S ^ \frac{1}{2}is the square of an integer.

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N is an integer. Which of the following must be odd?

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|  |
|  | N |
|  | 2N |
|  | 3N |
|  | 2N + 1 |
|  | 3N + 1 |

What is the slope of line L?  
1. L is parallel to y = 2x + 1  
2. L is perpendicular to X + 2Y + 5

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What’s the radius of circle B?  
1. Circle A has radius 4.  
Circle A has area twice as large as circle B.

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Jamie and Jane are painting houses. Jamie can paint a house in 3 days and Jane can paint a house in 4. How many days will it take them to paint 14 houses together?

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|  |
|  | 7 |
|  | 13 |
|  | 14 |
|  | 19 |
|  | 24 |

How old is Max?   
1. Max is twice as old as Noah.  
2. When Noah is twice as old as he is now, Max will be 4 times his age.

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The average weight of 5 melons is 40. If my melon weighs 34, by how much will the average weight of the melons change once I add my own melon?

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|  |
|  | Up by 2 |
|  | Up by 1 |
|  | Down by 1 |
|  | Down by 2 |
|  | Down by 1.4 |

The cost of a phone call includes a connection fee plus a per/minute fee. How much did my call to Peru cost?  
1. The connection fee was $5  
2. The per minute fee is $0.60 a minute.

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Is x|x|greater than 1 ^ x?  
1. x is negative  
2. x = - 1

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The midpoint of A and B is M(3,6). What’s the distance between A and B?  
1. Point A is (2, 2)  
2. The slope of line AB is 4

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The sign )+( means: a)+(b = a + ab + b. Which of the following sets of numbers has x)+(y = - 8?

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|  |
|  | 1, 8 |
|  | - 1, 8 |
|  | -2, 6 |
|  | -6, 2 |
|  | 4, -4 |

60 percent of my pets are birds, and the rest are giraffes. What’s the ratio of giraffes to birds?

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|  |
|  | 3:5 |
|  | 3:4 |
|  | 2:3 |
|  | 1:6 |
|  | 2:5 |

An average of X numbers is equal to A. What percentage of the numbers are equal to A?  
1. None of the X numbers are greater than A  
2. None of the X numbers are less than A

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40 people are either blonde or tall or both. How many people are both?  
1. 30 are blonde  
2. 26 are tall

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In parallelogram ABCD, angle A equals x degrees and angle B equals 3y degrees. If angle D, across from B, is 45 degrees, what’s the value of x + y?

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|  | 140 |
|  | 150 |
|  | 160 |
|  | 170 |
|  | 180 |

I had $20,000. After 1 transaction my monet increased by 4%. After the second transaction, it decreased by 10%. After another transaction, finally, it increased by 6%. What’s the value of my money now, approximately?

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|  |
|  | 17600 |
|  | 19000 |
|  | 20000 |
|  | 20800 |
|  | 21500 |

What percentages of my mixture is water?  
1. The percentage of alcohol is 37%  
2. The percentage of ingredients that aren’t water is 45%

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1 glog equals 0.7 floops. How many glogs is 14 floops, to the nearest glog?

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|  |
|  | 17 |
|  | 18 |
|  | 19 |
|  | 20 |
|  | 21 |

I have 12 more donkeys than pencils. If I have 52 donkeys and pencils combined, how many donkeys do I have?

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| --- |
|  |
|  | 20 |
|  | 23 |
|  | 26 |
|  | 28 |
|  | 32 |

I stole an equal amount of money from each stranger I met today. If I stole $50 in total, how many strangers did I meet?  
1. I stole $5 from each stranger  
2. If I’d met 2 more strangers I’d have stolen $60

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Find the value of 3x ^ 2 - 23x - 8?  
1. (3x - 8) = - 2  
2. (x + 1) = 3

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Find \frac{2}{\frac{1}{6}} + \frac{6}{\frac{1}{2}}.

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|  |
|  | 1/3 |
|  | 3 |
|  | 8/12 |
|  | 24 |
|  | 18 |

I can climb stairs at a rate of 5 stairs a second. If there are 65 stairs between each floor, what’s the highest floor I can reach within 1 minute?

|  |
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|  |
|  | Third floor |
|  | Fourth floor |
|  | Fifth floor |
|  | Sixth floor |
|  | Seventh floor |

My 5 boxes have dimensions 4 by 6 by X. If the total surface area of the boxes is 940, find X to the nearest unit.

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|  |
|  | 5 |
|  | 6 |
|  | 8 |
|  | 9 |

Every coin I have is either a dollar or a quarter. What’s the average value of my coins?  
1. 30% are dollars  
2. 70% are quarters.

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Find an intersection of x ^ 2 - 10x + 25and 2x ^ 2 - 9x - 5.

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|  | x = 1 |
|  | x = 3.5 |
|  | x = 5 |

I’m trying to line up a bunch of criminals. How many ways are there to organize the line-up?  
1. There are 6 criminals in the bunch  
2. Only 1 criminal committed the murder

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Find y.  
1. \frac{x}{y} = \frac{1}{3}  
2. \frac{y}{x} = \frac{2y}{4}

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I have 6 green bags and 4 blue bags. If I randomly choose 2 bags, what’s the probability that the first is green and the second is also green?

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|  |
|  | 1/3 |
|  | 4/9 |
|  | 3/10 |

Find the vertex of parabola P.  
1. P passes through (2, 0)  
2. P passes through ( – 2, 0)

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Max needs to build a fence around a rectangular area of 60 square yards. What’s the minimum amount of wire he’ll need for his fence, approximately?

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|  | 28 |
|  | 32 |
|  | 38 |

How long will it take me to read a 10-page portion of my Harry Potter book?  
1. The entire book is 760 pages  
2. My pace is 1 minute per page

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p is a prime number such that 7p + 15is less than 57. Which of the following is also a prime number?

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|  | p + 2 |
|  | 2p + 1 |
|  | \sqrt{p} |
|  | \frac{ p - 1}{2} |