## **OGET Sample Math Practice Test 2**

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| **Q1. Simplify the expression by combine similar terms**4 – (2x + 7)4–(2*x*+7) |
| 🔘 A. -3 – 2x | 🔘 B.  2 – 9x |
| 🔘 C.  -3 + 9x | 🔘 D. 3 + 2x |

**Show Answers**

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| **Q2.**If the sum of the numbers in**column A** is equal to the sum of the numbers in **row B**, then find the **value of Y**. |
| 🔘 A. 3 | 🔘 B.  6 |
| 🔘 C.  9 | 🔘 D. 16 |

**Show Answers**

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| **Q3. Which is the correct graph of the equation: 4x + 3y = 12?** |
| 🔘 A. | 🔘 B.  |
| 🔘 C.  | 🔘 D. |

**Show Answers**

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| **Q4.**Rosa deposits **$1,600 i**n her bank. It is all in twenties and tens. If **z** represents the number of twenty dollar bills, which of the following represents the number of ten dollar bills? |
| 🔘 A. 1000 – 10z / 3 | 🔘 B.  1200 – 10z / 5 |
| 🔘 C.  1600 – 20z / 10 | 🔘 D. 1900 – 6z / 2 |

**Show Answers**

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| **Q5.** A **50 ft. ladder** is leaning up against a wall as shown below. If the ladder slips down the wall **8 feet**, **how much further** will the base of the ladder now be from the wall? |
| 🔘 A. 4 feet | 🔘 B.  8 feet |
| 🔘 C.  16 feet | 🔘 D. 20 feet |

**Show Answers**

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| **Q6.**A rectangular box has a base that is a rectangle with width 5 in. and length 10 in. If the volume of the box is 975 cubic inches, what is the height of the box? |
| 🔘 A. 13.6 | 🔘 B.  17.3 |
| 🔘 C.  17.7 | 🔘 D. 19.5 |

**Show Answers**

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| **Q7.**A company has **16 million dollars** in total expenses for one year. A**circle graph** shows a sector of**270 degrees** representing employee salaries. How much was spent on employee salaries? |
| 🔘 A. 10 million | 🔘 B.  11 million |
| 🔘 C.  12 million | 🔘 D. 13 million |

**Show Answers**

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| **Q8.** If**k + m = 53**and**j + p = 20,**what is the value of**(5k + 5m)(2j + 2p)?** |
| 🔘 A.  160 | 🔘 B.  1060 |
| 🔘 C.  10.6 | 🔘 D. 10600 |

**Show Answers**

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| **Q9. The graph of a linear equation is shown below. Which of the following tables corresponds to the graph?** |
| 🔘 A. | 🔘 B.  |
| 🔘 C.  | 🔘 D. |

**Show Answers**

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| **Q10.**We all know that the more time we spend studying for a test the higher our test score will be. Which of the following graphs could be the graph of the relationship between time studying and score on the CORE test? |
| 🔘 A. | 🔘 B.  |
| 🔘 C.  | 🔘 D. |

**Show Answers**