*Escape to the Fun Fair*

**Number**

**Unit 2 Line Master 14a**

Sunnyshores Middle School is hosting a fun fair for students   
and their families. They have rented some games and will organize other games and activities themselves.

They need your help to get ready.   
Help them prepare by answering these questions.

You can circle your answers here and write any other notes you want.

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| **Question** | **Choices** |
| 1. The school will sell tickets for a raffle  at the fun fair. They are hoping to raise $1200 from the raffle. They expect 475 people will attend the fair. Assuming each person will buy  a ticket, what price should the tickets be to allow the school to raise an amount close to their goal? | A. $3.50 per ticket  B. $3.00 per ticket  C. $2.50 per ticket  D. $2.00 per ticket |
| 2. The school will be selling bags of   candy. They will buy 6lb (pounds)   of one type of candy and sell it in bags   holding lb.   * How many candy bags can they fill? * How much candy is left over? | A. 17 bags; lb left  B. 17 bags; lb left  C. 18 bags; nothing left  D. 16 bags; lb left |

*Escape to the Fun Fair* (cont’d)

**Number**

**Unit 2 Line Master 14b**

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| **Question** | **Choices** |
| 3. A committee has sourced candy  for the bags. They can buy it from   Candy Candy Inc, who charge   $2.80 for lb (pound).   Sweet Dreams sells the same candy.  They charge $1.50 for lb.  What is the price per pound   at each store? | A. $1.40, $0.38  B. $5.60, $6.00  C. $0.56, $0.60  D. $5.60, $4.50 |
| 4. The school pays $186.49, including taxes, to rent a cotton candy machine and all the supplies needed to fill  300 bags.  They can sell each bag for $1.50.  The profit is the money earned from the sales less the costs. If they sell all 300 bags, what is their profit? | A. $450  B. $113.51  C. $263.51  D. $636.49 |

*Escape to the Fun Fair* (cont’d)

**Number**

**Unit 2 Line Master 14c**

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| **Question** | **Choices** |
| 5. People will be able to win prizes  by doing a challenge called  *Target Numbers*.  The challenger fills in each blank with  an operation (addition, subtraction, multiplication, division) to make the equations true. Each operation can be  used only once.   * \_\_= * 32 \_\_ 0.8 = 40 * 112 \_\_ (– 598) = 710 * 45 \_\_ 1.2 = 54 | A. +, ×, –, ÷  B. ÷, ×, –, +  C. –, ÷, +, ×  D. +, ÷, –, × |

*Escape to the Fun Fair* (cont’d)

**Number**

**Unit 2 Line Master 14d**

Now that you’ve collected the supplies, answer these questions correctly to be given digits in the code that will let you escape the gym. Record the digits in the spaces below.

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| **Question** | **Choices** |
| 6. Is this statement true or false? When you add two negative numbers,  the sum is always negative. | A. True  B. False |
| 7. To work in a booth at the fair, students must complete these 4 skill testing questions.  Fill in the blanks with operations or numbers to make each equation true.   * 9 – (–9) = 9 \_\_ (\_\_9) * 34.9 ÷ 15.7 = \_\_\_\_ ÷ 157 * + += \_\_\_\_ + 1 * ÷=\_\_\_\_\_ | A. –, +; 3.49; **;**  B. +, +; 3.49; **;** 9  C. +, –; 349; **;**  D. +, +; 349; **;** 5 |
| 8. Is this statement true or false?  The product of two numbers is always greater than each of the two numbers. | A. True  B. False |

*Escape to the Fun Fair* (cont’d)

**Number**

**Unit 2 Line Master 14e**

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| **Question** | **Choices** |
| 9. Tables will be set up for a silent auction  along a wall in the gym.  The wall is 68 ft (feet) long. Each table is  3 ft long.  There needs to be a 1ft space before the  first table, between the tables, and after  the last table.  How many tables can they fit along the wall? | A. 13  B. 14  C. 21  D. 22 |

The code is \_\_\_\_ \_\_\_\_ \_\_\_\_ \_\_\_\_.