Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_\_

Mid-Year Review

1. Evaluate: 56.4 ∙ 7
2. Charlie read 5 more than three times the number of pages that Scott read. If *p* represents the number of pages that Scott read, which expression represents the number of pages Charlie read?
3. 8*p*
4. 5 + *p*
5. 5*p* + 3
6. 3*p* + 5
7. Sweet Treats is creating 4 gift bags for their Christmas party giveaway. There are 36 candy bars and 12 candy canes to make the bags. Each bag will have the same number of candy bars and candy canes.

Select all of the correct statements that apply.

1. For each bag, there are 9 candy canes
2. For each bag, there are 12 items in it
3. For each bag, there are 3 candy canes
4. For each bag, there are 9 items
5. For each bag, there are 9 candy bars
6. What is the difference of 62.5 and 4.03?
7. Stephanie buys some composition books. Each composition book cost $2.30. She paid with a $10 bill. Let *c* represent the number of composition books she buys. Which expression represents the amount of change she should receive?
8. 2.30c – 10
9. 10 – 2.30c
10. 10 – 2.30 – c
11. 10c – 2.30
12. Find the value of 28,730 ÷ 34
13. Calculate the sum of 709.2 and 25.14
14. Perry has 26$\frac{1}{3}$ feet of rope to make ties for his boat. He cuts the rope into pieces that are $\frac{2}{3}$ feet. What is the maximum number of pieces of rope Perry can cut that measure $\frac{2}{3}$ feet?

9. The width of the computer lab is fifteen feet and the length is thirty feet. What is the ratio of width to length of the computer lab?

 a) The ratio is one to two because there is two feet of width for every one foot of length.

 b) The ratio is two to one because there is two feet of width for every one foot of length.

 c) The ratio is fifteen to one, because there are fifteen feet of width for every one foot of

 length.

 d) The ratio is one to two because there is one foot of width for every two feet of length.

10. Which expressions are equivalent to 8(*p* + 3)?

1. 11*p*
2. 24*p*
3. 8*p* + 3
4. 8*p* + 24
5. 5*p* + 10 + 3*p* + 14
6. 2*p* + 8 + 6*p* + 3

11. Ice will thaw at temperatures warmer than 8 degrees Celsius. Let i represent ice at degrees Celsius. Which inequality represents the temperature at which ice will melt.

1. i is greater than negative 8
2. i is less than negative 8
3. i is greater than 8
4. i is less than 8

12. In the library, the ratio of computers to students is one to six. Which tables have values with a computer-to-student ratio of one to six. Select ALL of the correct tables.

a)

|  |  |
| --- | --- |
| Computers | Students |
| 12 | 2 |
| 18 | 3 |

b)

|  |  |
| --- | --- |
| Computers | Students |
| 4 | 24 |
| 8 | 48 |

c)

|  |  |
| --- | --- |
| Computers | Students |
| 6 | 1 |
| 18 | 3 |

d)

|  |  |
| --- | --- |
| Computers | Students |
| 2 | 10 |
| 4 | 20 |

e)

|  |  |
| --- | --- |
| Computers | Students |
| 12 | 72 |
| 18 | 108 |

13. Write an expression that represents *m* is decreased by the quotient of 12 and *n*.

14. John is trying to meet his AR goal. He has 120 points which represents 60% of the amount of points he needs. How many total points does he need?

15. The mall has 60 stores. 40% of them opened early for Black Friday. How many stores opened early for Black Friday?

16. Henry practices piano for 3 hours per week. If his practice sessions are 30 minutes each, how many sessions did he have?

17. Mrs. Williams is ordering t-shirts for the library club. She is trying to find the most inexpensive shirts. The following stores offered her these deals:

|  |  |  |
| --- | --- | --- |
| Company | Price | Number of Shirts |
| Shirts R Us | 24.40 | 4 |
| Logo Plus | 22.00 | 3 |
| P.J. Dimes | 30.00 | 7 |
| Clothes 4 Less | 27.00 | 6 |

Which store would offer the lowest unit price?

1. Shirts R Us
2. Logo Plus
3. P.J. Dimes
4. Clothes 4 Less

18. Stella reads her AR book every day. The table shows how much she reads.

|  |  |
| --- | --- |
| Days | Pages |
| 1 | 18 |
| 2 | 36 |
| 3 | 54 |

Which expression shows how many pages, *p*, she reads each day, *d*?

a) *d* = 18*p*

b) *d* = 18 + *p*

c) *p* = 18 + *d*

d) *d* = 18*p*