

Name _____

Summer Packet for Incoming Sixth Grade Students

1. Choose the correct product for each expression given on the left.

	9,030	9,541	9,361	9,360
602×15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
208×45	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
407×23	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
203×47	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. A. A path around a pond is 0.55 mile. Dylan walks around the pond 3 times. How far does he walk?

B. Pat walks around the pond twice. How far did Pat and Dylan walk in all?

3. Maylin is mailing a package. What is the volume of the package? Write the expression you used to find the volume. (Height of package = 7 inches; Area of the base = 54 square inches)

4. Which numerical expression represents the following calculation? Add 12.60 to the quotient of 1.50 and 2.

- A $12.60 + 1.50 - 2$
B $12.60 + 2 \times 1.50$

- C $12.60 + 1.50 \div 2$
- D $12.60 \div 2 \times 1.50$

5. A stack of 12 pennies is 18.24 millimeters high. How thick is each penny?
How thick would a stack of 20 pennies be?

6. The school store sells pencils for \$0.75 each, pens for \$0.10 each, and erasers for \$0.35 each. Jenna has \$5.00. She buys one of each item. How much money does she have left?

- A \$3.90
- C \$3.75
- B \$3.80
- D \$3.70

7. Insert parentheses to make the statement true.
 $18 - 12 \times 5 + 4 \times 2 = 38$

8. Circle each true statement.

- A $204.640 > 204.215$
- B $58.300 = 58.30$
- C $941.705 > 941.74$

- D** $2.061 > 2.3$
E $54.06 = 54.60$

9. Anna and Jayla are reading the same book. Anna is on page 150 and reads 7 pages a day. Jayla is on page 110 and reads 15 pages a day. After how many days will Anna and Jayla have read the same number of pages? Explain.

10. Which expression is NOT equal to 36?

- A** $(48 \div 8) \times 3 + 2$
B $(9 + 9 \div 3) \times 3$
C $3 \times (16 - 4 \times 1)$
D $(22 - 2 \times 5) \times 3$

11. Write a numerical expression that represents the following calculation. Subtract 9 from the quotient of 48 and 4.

12. Three vertices of a triangle are located at $A(5, 4)$, $B(3, 1)$, and $C(2, 5)$. Draw an x-axis, and y-axis to create a coordinate grid. Then graph and label each of the three vertices.

13. Alisha and Peter both make batches of granola, but they use different recipes. Alisha's recipe uses 3 cups of oats. Peter's recipe uses 5 cups of oats.

A. Complete the table to show the amount of oats that each person uses for different numbers of batches.

Number of Batches	Cups of Oats Used by Alisha	Cups of Oats Used by Peter
1		
2		
3		
4		

B. Write a number in each space to form an ordered pair that describes the amount of oats each person will use to make 7 batches. The first number should be the amount of oats that Alisha will use, and the second number should be the amount of oats that Peter will use.

(_____ , _____)

14. Each week, Devon will work 6 hours and Kara will work 4 hours.

A. Write a number in each space to complete the ordered pairs showing the total number of hours that Devon and Kara will have worked after each week.

(6, 4), (12, _____), (_____, 12), (24, 16), (_____, _____)

15. Which expression represents a number that is three times as great as the product of 14 and 9?

- A $3 + (14 \times 9)$
- B $(14 + 9) \times 3$
- C $3 \times (14 \times 9)$
- D $(14 \times 9) \div 3$

16. Use each number below to complete the equations that follow.

2 4 6 8

$$(36 \div \underline{\quad}) + (8 \div \underline{\quad}) = 7$$

$$(\underline{\quad} \times 5) - \underline{\quad} = 6$$

17. Write a numerical expression that represents the following calculation.
Multiply 4 by the sum of 2 and 1.

18. Find the difference: $3/4 - 1/8$.

19. Find the difference: $11 \text{ and } 1/3 - 3 \text{ and } 3/4$.

20. Find the sum: $4 \text{ and } 1/4 + 8 \text{ and } 7/8$.