

Name \_\_\_\_\_

SUMMER MATH PACKET: Entering 5<sup>th</sup> Grade

Answer Sheet

1.	26.	51.
2.	27.	52.
3.	28.	53.
4.	29.	54.
5.	30.	55.
6.	31.	56.
7.	32.	57.
8.	33.	58.
9.	34.	59.
10.	35.	60.
11.	36.	61.
12.	37.	62.
13.	38.	63.
14.	39.	64.
15.	40.	65.
16.	41.	66.
17.	42.	67.
18.	43.	68.
19.	44.	69.
20.	45.	70.
21.	46.	71.
22.	47.	72.
23.	48.	73.
24.	49.	74.
25.	50.	75.

76.	101.	126.
77.	102.	127.
78.	103.	128.
79.	104.	129.
80.	105.	130.
81.	106.	131.
82.	107.	132.
83.	108.	133.
84.	109.	134.
85.	110.	135.
86.	111.	136.
87.	112.	137.
88.	113.	138.
89.	114.	139.
90.	115.	140.
91.	116.	141.
92.	117.	142.
93.	118.	143.
94.	119.	144.
95.	120.	145.
96.	121.	146.
97.	122.	147.
98.	123.	148.
99.	124.	149.
100.	125.	150.

Name: \_\_\_\_\_

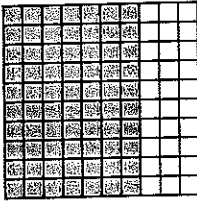
Summer Packet: Entering 5th Grade

\* Please make sure to record  
ALL answers on attached ANSWER SHEET!

Multiple Choice

Identify the choice that best completes the statement or answers the question.

\_\_\_\_ 1. Which decimal is equivalent to 0.70?



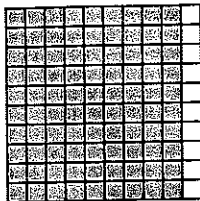
- a. 7.0
- b. 0.7
- c. 70.0
- d. 0.07

\_\_\_\_ 2. Which set of numbers is in order from least to greatest?

- a. 7.38    7.594    7.598
- b. 7.594    7.38    7.598
- c. 7.38    7.598    7.594
- d. 7.598    7.594    7.38

Name: \_\_\_\_\_

\_\_\_\_ 3. Which decimal is equivalent to 0.90?



- a. 90
- b. 9
- c. 0.09
- d. 0.9

**Short Answer: Please show ALL work in the space provided. Write your answer on the attached ANSWER SHEET.**

- 4. There are 2 senators representing each state in the United States Senate. How many senators are there representing 9 states?
  
  
  
  
  
  
  
  
  
  
- 5. Rachael has 5 shelves that can hold 4 trophies each. How many trophies can the shelves hold in all?

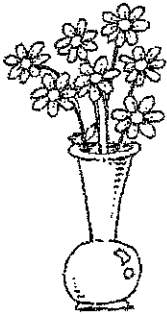


Name: \_\_\_\_\_

10. There are 12 eggs in each carton. How many eggs are there in 2 cartons?

11. Roland practices gymnastics for 2 hours each day. How many hours does he practice in 7 days?

12. There are 7 flowers in each vase. How many flowers would you count in 6 vases?



Name: \_\_\_\_\_

13. In  $48 \div 6 = 8$ , what is the 8 called?

14. Serdio had 9 photo albums. He passed them out evenly to his 9 friends. How many photo albums did each friend get?

15. Mario can join a postcard collectors club for \$18 a year. If 9 postcards are delivered during the year, what is the cost of each postcard?

16. What three numbers complete the pattern?

8, 11, 14, 17, \_\_, \_\_, \_\_

Name: \_\_\_\_\_

17. Presidential elections are held every 4 years. There were Presidential elections held in 1840, 1844, 1848, and 1852. What years were the next three Presidential elections?
18. What three numbers complete the pattern? Continue the pattern.  
24, 22, 20, 18, \_\_, \_\_, \_\_
19. Tickets for a raffle were numbered in the following way: 1880, 1884, 1888, and 1892. What were the next three ticket numbers?
20. Which numerical expression matches the situation?  
35 lockers separated into 5 rows



Name: \_\_\_\_\_

21. The odometer of Mrs. Nolan's car is shown here.

5	8	1	6	2
---	---	---	---	---

What will the odometer show after she has traveled 100 more miles?

22. What is the value of the 8 in 983,617?

23. Round 419,832 to the nearest ten thousand.

Name: \_\_\_\_\_

24. The odometer of Mr. Lee's car is shown here.

5	8	1	6	2
---	---	---	---	---

What will the odometer show after he has traveled 1,000 more miles?

25. The Montezuma Castle in Arizona has 858 acres. What number makes the sentence true?

$$800 + \underline{\quad} + 8 = 858$$

26. Mr. Marchand said, "There are three hundred twenty-eight students in this grade level."  
What is the number of students written in standard form?

Name: \_\_\_\_\_

27. Order the numbers from least to greatest.

93,640    93,460    92,577

28. Round 341,421 to the nearest ten thousand.

29. Cheryl packed 39 oranges and 98 apples for the class picnic. How many pieces of fruit did she pack all together?

30. Mrs. Petkov was born in 1908. In what year was Mrs. Petkov 53 years old?

Name: \_\_\_\_\_

31. Columbus arrived in the Americas in 1492. The Declaration of Independence was signed in 1776. How many years had passed since Columbus' arrival?

32. This table shows Hector's scores for six games.

**HECTOR'S SCORES**

Game	Score
1	15,986
2	13,539
3	32,562
4	41,376
5	23,765
6	31,450

Suppose Hector plays a seventh game and scores 4,231 more points than he did in Game 1. Find Hector's score for Game 7.

33. Last year Ms. Silver flew 28,108 miles on business trips. This year she flew 24,200 miles. How many miles did she fly altogether?

Name: \_\_\_\_\_

34. The following table gives the countries with the most airports. How many airports are there in the United States, Russia, and Canada combined?

Country	Number of Airports
United States	14,720
Brazil	3,264
Russia	2,743
Mexico	1,848
Canada	1,417

35. Subtract.

$$\begin{array}{r} 949 \\ - 885 \\ \hline \end{array}$$

Name: \_\_\_\_\_

36. Subtract.

$$\begin{array}{r} 637 \\ - 453 \\ \hline \end{array}$$

37. A house was built in 1905. In what year was the house 57 years old?

38. Estimate by rounding to the nearest hundred.

$$657 - 125$$

39. Mrs. Smith was born in 1917. In what year was Mrs. Smith 49 years old?

Name: \_\_\_\_\_

40. Estimate by rounding to the nearest hundred.

$$603 - 428$$

41. Last year O'Malley Bakery made 32,472 cookies. This year the bakery made 18,583 cookies. How many cookies did it bake altogether?
42. Jackie has 95 baseball cards, 75 basketball cards, and 100 football cards. How many sports cards does Jackie have in all?
43. The American Revolutionary War began in 1775. The first man landed on the moon in 1969. How many years had passed since the beginning of the Revolutionary War?

Name: \_\_\_\_\_

44. Subtract.

$$\begin{array}{r} 929 \\ - 872 \\ \hline \end{array}$$

45. Subtract.

$$\begin{array}{r} 345 \\ - 271 \\ \hline \end{array}$$

46. Pedal Bicycle shop sold 924 bicycles during one year and 689 bicycles the next year. How many more bicycles did the shop sell the first year?

47. Find the product of 50 and 7.



Name: \_\_\_\_\_

48. Michelle wrote a whole number ending in 4 zeros. If she multiplies the number by 10, how many zeros should be in the product?

49. In a class, 14 students will present their science projects. Each student gets to talk for 5 minutes. How much time is needed to present all of the science projects?

50. Find the product.

$$6 \times 54$$

51. Find  $78 \times 4$ .

Name: \_\_\_\_\_

52. Find the product of 90 and 6.

53. Complete this statement. To find  $9 \times 400$ , multiply 9 and 4. Then write   ? zeros at the end.

54. For a club fundraiser Dagny is selling boxes of candles. Dagny sold 80 boxes of candles. There are 9 candles in each box. How many candles did she sell?

55. Find the product.

$$9 \times 62$$

Name: \_\_\_\_\_

56. Find  $99 \times 6$ .

57. Find the product.

61

$\times 3$

58. A jumbo jet is traveling at a speed of 540 miles per hour. At this speed, how far will the jet travel in 4 hours?

59. Find the product of 6 and 708.

Name: \_\_\_\_\_

60. Find the product of 5 and 306.

61. Find the product.

$$5 \times 189 = n$$

62. Find the product.

$$8 \times 32 = n$$

63. Find the product.

$$4 \times 56 = n$$

Name: \_\_\_\_\_

64. The chart below shows the amount of calcium in one cup of cooked vegetables.

**CALCIUM IN VEGETABLES**

Vegetable (1 cup)	Calcium (milligrams)
beets	26 mg
broccoli	94 mg
carrots	48 mg
peas	34 mg
sweet potatoes	56 mg

How much calcium is in 6 cups of carrots?

65. What is the product of  $65 \times 7$ ?

66. What is the product of  $75 \times 3$ ?

Name: \_\_\_\_\_

67. A flower garden has 6 rows of tulips. There are 18 tulips in each row. How many tulips are there in all?
68. A jumbo jet is traveling at a speed of 500 miles per hour. At this speed, how far will the jet travel in 3 hours?
69. The height of one tower is 168 feet. Another tower is 6 times as tall. What is the height of the second tower?
70. Find the product of 6 and 407.

Name: \_\_\_\_\_

71. Find the product of 3 and 2,406.
72. A theatre group will give 8 performances in an auditorium that holds 320 people. In all, how many people can come to the performances?
73. In a class, 20 students will present their science projects. Each student gets to talk for 10 minutes. How much time is needed to present all the science projects?
74. At the end of the year Molly has been assigned to clean 30 desks in a classroom. Each desk takes 10 minutes to clean. How much time is needed for Molly to clean all the desks?

Name: \_\_\_\_\_

75. Use mental math to find the product.

$$10 \times 50$$

76. Use mental math to find the product.

$$30 \times 60$$

77. Estimate by rounding to the nearest ten.

$$73 \times 37$$

78. Estimate the product of  $29 \times 62$ ?



Name: \_\_\_\_\_

79. Estimate the product of  $82 \times 24$ ?

80. At the end of the year Jake has been assigned to clean 20 desks in the classroom. Each desk takes 10 minutes to clean. How much time is needed for Jake to clean all the desks?

81. In a class, 30 students will present their book reports. Each student gets to talk for 10 minutes. How much time is needed to present all of the book reports?

82. Find the product.

$$70 \times 60$$

Name: \_\_\_\_\_

83. Estimate by rounding to the nearest ten.

$$42 \times 63$$

84. Estimate the product of  $81 \times 28$ ?

85. Find the product  $20 \times 81$ .

86. There are 50 envelopes in a box of envelopes. How many envelopes are in 30 boxes?

Name: \_\_\_\_\_

87. Find the product of 33 and 29.

88. A newborn manatee weighs 65 pounds. The mother manatee weighs 17 times as much. How much does the mother manatee weigh?

89. There are 48 cups in a box of paper cups. How many cups are in 70 boxes of cups?

90. Multiply.

$$20 \times 23$$

Name: \_\_\_\_\_

91. Multiply.

$$\begin{array}{r} 77 \\ \times 98 \\ \hline \end{array}$$

92. Find the product of 35 and 26.

93. Find the quotient.

$$160 \div 4$$

94. A 6-car train holds a total of 360 animals. If the same number of animals travel in each car, how many will each car hold?

Name: \_\_\_\_\_

95. Divide.

$$4 \overline{) 14}$$

96. Manuel is giving away his collection of 74 comic books to 8 of his friends. If he plans to divide it evenly, how many comic books will each friend receive? How many comic books will be left over?

Name: \_\_\_\_\_

97. Look at the information about groups of singers.

### GROUPS OF SINGERS

Group	Number of Singers
Duet	2
Trio	3
Quartet	4
Quintet	5

The women's chorus has 33 members. How many quartets can be formed? How many singers will be left over?

98. Divide.

$$6 \overline{) 33}$$

Name: \_\_\_\_\_

99. Find the quotient.

$$3,000 \div 6$$

100. Find the quotient.

$$120 \div 4$$

101. A 9 box shipment of stickers holds a total of 540 stickers. If the same number of stickers are in each box, how many will each box hold?

102. Find the quotient.

$$3,500 \div 7$$

Name: \_\_\_\_\_

103. Estimate the quotient.

$$208 \div 3$$

104. It takes 624 days for Nan to knit her first sweater. About how many weeks is that?

105. The Math Club has 22 members. Mr. Edwin wants to form groups of 3 for study groups. How many study groups can be formed? How many members will be left over?

106. James is helping his mother pack 66 balls of yarn into 7 sacks. If he plans to divide it evenly, how many balls of yarn will each sack have in it? How many balls of yarn will be left over?



Name: \_\_\_\_\_

107. Divide.

$$5 \overline{)42}$$

108. Hannah has 51 yards of ribbon that she is using to make some crafts. Each craft requires 4 yards of ribbon. If Hannah makes as many crafts as possible, how many crafts will she make? How many yards of ribbon will be left?

109. Divide. Check your answer.

$$8 \overline{)195}$$

Name: \_\_\_\_\_

110. Ashur has 64 pots of paint that he is using to paint some model cars. Each car requires 5 pots of paint. If Ashur paints as many cars as possible, how many cars will he paint? How many pots of paint will be left?
  
  
  
  
  
  
  
  
  
  
111. Michael has 61 oranges that he wishes to split equally among 4 gift baskets. How many oranges will go in each gift basket? How many oranges will be left over?
  
  
  
  
  
  
  
  
  
  
112. If a 6-serving package of crackers has 126 grams of carbohydrates, how many grams of carbohydrates does each serving contain?
  
  
  
  
  
  
  
  
  
  
113. Katie gets \$32 a week to buy dinner after dance. She spends \$5 each day and saves the rest. Which expression can be used to find how much money Katie will save at the end of the 5 days?

Name: \_\_\_\_\_

114. Chris took a survey about favorite colors. The following table gives the result in fractions.

**FAVORITE COLORS**

Color	Fraction
Blue	$\frac{3}{8}$
Red	$\frac{1}{4}$
Green	$\frac{1}{4}$
Purple	$\frac{1}{8}$

Which color was the favorite among those surveyed?

Name: \_\_\_\_\_

115. This table shows the amounts of spices used in a recipe.

**Spices**

$\frac{3}{8}$ teaspoon paprika
$\frac{1}{8}$ teaspoon oregano
$\frac{7}{8}$ teaspoon black pepper
$\frac{1}{4}$ teaspoon garlic

Which spice has the greatest amount used in the recipe?

Name: \_\_\_\_\_

116. This table shows the distance a ball was rolled to the goal by different teammates.

**DISTANCES TO THE  
GOAL**

Name	Fraction
Derrick	$\frac{3}{8}$
James	$\frac{1}{8}$
Eric	$\frac{7}{8}$
Ken	$\frac{1}{4}$

Who rolled the ball the closest to the goal?

Name: \_\_\_\_\_

117. This table shows the fraction each class has collected toward their goals for recycling.

**FRACTION OF GOAL  
COMPLETED**

Teacher Name	Fraction
Kenzy	$\frac{1}{2}$
Hillmon	$\frac{1}{4}$
Gunter	$\frac{7}{8}$
Roacha	$\frac{3}{8}$

Whose class is closest to their goal?

Name: \_\_\_\_\_

118. This table shows the amount of water used in making different pastes.

**Water in Paste**

$\frac{5}{8}$	cups in paste A
$\frac{3}{8}$	cups in paste B
$\frac{3}{4}$	cups in paste C
$\frac{1}{2}$	cups in paste D

Which paste uses the least amount of water?

Name: \_\_\_\_\_

119. Greg is painting a mural. This table shows the amount of paint he used of each color.

**MURAL PAINTING**

Color	Amount of Paint
Blue	$\frac{1}{4}$ pint
Red	$\frac{3}{4}$ pint
Green	$\frac{3}{8}$ pint
White	$\frac{5}{8}$ pint

Which color did he use most?

120. While baking, Gordon used  $\frac{1}{4}$  cup of flour and then used another  $\frac{2}{4}$  cup of flour. How much flour did Gordon use altogether?

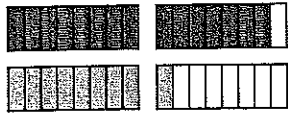


Name: \_\_\_\_\_

121. Allen sprinted  $\frac{1}{6}$  mile, jogged  $\frac{2}{6}$  mile, and then sprinted another  $\frac{2}{6}$  mile. What was his total distance?
122. Catalin left home and walked  $\frac{4}{5}$  mile to her friend's house. When she arrived, she realized that she had dropped her hat along the way and had to walk back  $\frac{1}{5}$  mile before she found it. When she found her hat, how far was she from her home?
123. What is  $1\frac{2}{3}$  as an improper fraction?

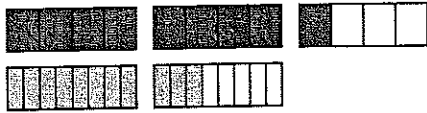
Name: \_\_\_\_\_

124. Each bar is 1 unit long. What is the sum?



$$1\frac{7}{8} + 1\frac{1}{8}$$

125. Each bar is 1 unit long. What is the difference?



$$2\frac{1}{4} - 1\frac{3}{8}$$

126. While baking, Pedro used  $\frac{1}{8}$  cup flour and  $\frac{3}{8}$  cup flour.  
How much flour did Pedro use altogether?

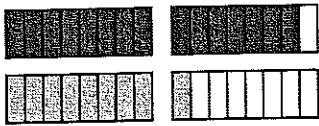
Name: \_\_\_\_\_

127. Haley did  $\frac{8}{12}$  of her math homework on Friday night. When her mother checked the work Haley had done, she found that  $\frac{3}{12}$  of the homework was incorrect. What fraction of the homework was correct on Friday night?
128. Gary painted  $\frac{9}{11}$  of a wall. Later Gary's mother told him that  $\frac{3}{11}$  of the wall needed to be repainted. How much of the wall did NOT need to be repainted?
129. Roberto had  $\frac{5}{7}$  of a jar of almonds left in his pantry. He used  $\frac{2}{7}$  of the jar to make trail mix. What fraction of the jar of almonds does Roberto have left?

Name: \_\_\_\_\_

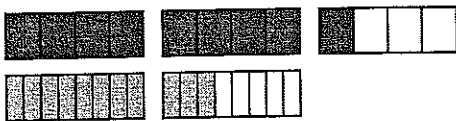
130. What is  $3\frac{5}{8}$  as an improper fraction?

131. Each bar is 1 unit long. What is the difference?



$$1\frac{7}{8} - 1\frac{1}{8}$$

132. Each bar is 1 unit long. What is the sum?



$$2\frac{1}{4} + 1\frac{3}{8}$$

Name: \_\_\_\_\_

133. A meteorologist reported that 2.5 inches of snow fell last night. What is the value of the 5 in 2.5?

134. Order the decimals from least to greatest. 7.33, 7.29, 7.71

135. Which amount is made of 9 dollars, 2 dimes, and 7 pennies?

136. Tell the value of the 6 in 725.62.

Name: \_\_\_\_\_

137. Order the decimals from least to greatest.

8.39, 8.43, 8.4

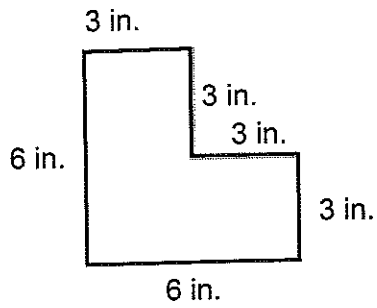
138. Which amount is made of 7 dollars, 6 dimes, and 4 pennies?

139. How long is the line segment to the nearest inch?



Name: \_\_\_\_\_

140. What is the area of the figure?



141. Classify the triangle by its angle measures. (right, acute, or obtuse?)

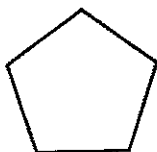


Name: \_\_\_\_\_

142. Classify the triangle, by the angle measures. (acute, obtuse, or right?)



143. How many lines of symmetry does the figure have?



144. What geometric figure is shown?





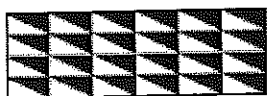
Name: \_\_\_\_\_

145. What geometric figure is shown?



146. What is the name of a polygon with 5 vertices?

147. What shape has been used to form the tile pattern below?



Name: \_\_\_\_\_

148. Classify the triangle, by side lengths. (scalene, isosceles, or equilateral?)



149. What shape has been used to form the tile pattern below?



150. Classify the quadrilateral. Be as specific as possible!

