Cab	rini Summer Math Assignment	Name:
Pre	paring for Introduction to Algebra (Review of Grade 6 & 7 Math)	Due Date: First Day of School
 Determine the place value of the digit 5 in the whole number. 54,720,000 		
	Choose the correct answer below. Ten-thousands Ten-millions Hundred-thousands Millions Show your work below.	
2.	Write the whole number 92,537,926 in words. Choose the correct answer below. A. ninety-two million, nine hundred twenty-six million, five hundred B. ninety-two billion, five hundred thirty-seven thousand, nine hundred C. ninety-two billion, five hundred thirty-seven million, nine hundred D. ninety-two million, five hundred thirty-seven thousand, nine hundred Show your work below.	dred twenty-six
3.	Write the number in standard form. Seventy-four million, one hundred seventeen thousand, six The number in standard form is Show your work below.	

4.	Add. 86,982 + 632,324
	86,982 + 632,324 =
	Show your work below.
5.	Subtract the following. Check by adding.
	6020 - 2968
	6020 - 2968 =
	Show your work below.
6.	Round 398 to the nearest ten.
	398 rounded to the nearest ten is
	Show your work below.
7.	Multiply.
	37
	<u>× 49</u>
	The product is
	Show your work below.

8. Find the area and the perimeter of the rectangle shown to the right.

The area of the rectangle is	(1)
ine area or the rectangle to	(:)

The perimeter of the rectangle is (2)

- (1) O square meters.
- (2) O meters.
- meters.
- O cubic meters.
- cubic meters.
- square meters.

Show your work below.

9. Find the following quotient.

Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

- \bigcirc **A.** $0 \div 9 =$ (Simplify your answer.)
- OB. The quotient is undefined.

10.	Divide.		
	8 ÷ 0		
	Select the correct choice below and fill in any answer boxes in your choice.		
	O A. The quotient is		
	O B. The answer is undefined.		
	Show your work below.		
11.	Write using exponential notation.		
	8 • 8 • 8		
	8 • 8 • 8 =		
	Show your work below.		
	Show your work below.		
12.	Simplify.		
	22 + 6 • 9		
	Select the correct choice below and, if necessary, fill in the answer box to complete your choice.		
	○ A. 22 + 6 • 9 =		
	O B. The expression is undefined.		
	Show your work below.		

13. Simplify.

Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

- \bigcirc **A.** 27 ÷ 9 3 + 6 =
- O B. The expression is undefined.

Show your work below.

14. Evaluate the expression for x = 3 and z = 4.

$$5xz - 3x$$

$$5xz - 3x =$$

Show your work below.

15. Evaluate the following expression for x = 1, y = 3, and z = 3.

The answer is _____.

16.	Determine whether 5 is a solution of the equation 7x + 7 = 40. Show your work below.	Is 5 a solution? O Yes O No
17	Decide whether the number is a solution of the equation.	
.,.	Is 19 a solution of $5(n-15) = 20$?	
	13 19 a solution of 5(11 13) = 20:	
	O No	
	O Yes	
	Show your work below.	
18.	18. Write the phrase as a variable expression. Use x to represent "a number."	
Ten more than a number.		
	The translation is	
	Show your work below.	

19.	Write the following phrase as a variable expression. Use x to represent "a number". six decreased by a number		
	The translation is		
	Show your work below.		
	Write the phress as a variable expression Heavy to represent "a number "		
20.	Write the phrase as a variable expression. Use x to represent "a number." The product of 505 and a number.		
	The translation is .		
	Show your work below.		
21.	Write the phrase as a variable expression. Use x to represent "a number."		
	The quotient of four and a number.		
	The translation is		
	Show your work below.		
22.	Insert < or > between the pair of integers to make a true statement.		
	-12 -5		
	-12 <u>-5</u>		
	Ch avvivava visadi halavi		
	Show your work below.		

23.	Simplify.
	[4]
	4 =
	Show your work below.
24.	Simplify.
	- 16
	- 16 = (Simplify your answer.)
	Show your work below.
25.	Insert <, >, or = between the given pair of numbers to make a true statement.
25.	Insert <, >, or = between the given pair of numbers to make a true statement. - 20
25.	
25.	-20 -14
25.	-20 -14 -20
25.	-20 -14 -20
25.	-20 -14 -20
	-20 -14 -20 -14 Show your work below.
	-20 -14 -20 -14 Show your work below. Add.
	-20 -14 -20 -14 Show your work below. Add. -9+(-7)
	-20 -14 -20 -14 Show your work below. Add.
	-20 -14 -20 -14 Show your work below. Add. -9+(-7)
	-20 -14 -20 -14 Show your work below. Add. -9+(-7) -9+(-7)=
	-20 -14 -20 -14 Show your work below. Add. -9+(-7) -9+(-7)=

27.	Add.
	- 23 + 23
	- 23 + 23 =
	Show your work below.
	Add.
20.	- 60 + 37
	00.07
	Show your work below.
	Firelysts 200 to form 10 and 11 10
29.	Evaluate $3x + y$ for $x = 2$ and $y = -8$.
29.	The result is
29.	
29.	The result is
29.	The result is
29.	The result is
	The result is Show your work below.
	The result is Show your work below. Subtract.
	The result is Show your work below. Subtract. 4-5
	The result is Show your work below. Subtract. 4-5 4-5=
	The result is Show your work below. Subtract. 4-5
	The result is Show your work below. Subtract. 4-5 4-5=
	The result is Show your work below. Subtract. 4-5 4-5=
	The result is Show your work below. Subtract. 4-5 4-5=

31.	Perform the subtraction.
	13 - (- 13)
	13 - (- 13) =
	Show your work below.
32.	Subtract.
	-6-(-8)
	-6-(-8)=
	Show your work below.
33.	Subtract.
	1 – 19
	1 – 19 =
	Show your work below.
34.	Evaluate x – y for the given replacement values.
	x = 3 and $y = -34$
	x - y =
	Show your work below.

35. Multiply.

Show your work below.

36. Find the quotient.

Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

- \bigcirc A. $\frac{-80}{8} =$ (Simplify your answer.)
- O B. The answer is undefined.

Show your work below.

37. Find the quotient.

Select the correct choice below and fill in any answer boxes in your choice.

- \bigcirc **A.** $\frac{-120}{-12} = \underline{\hspace{1cm}}$
- O B. The answer is undefined.

38. Simplify.

$$(-9) + 8 \div 2$$

Show your work below.

39. Simplify.

$$\frac{21-13}{-4} = \underline{\hspace{1cm}}$$

Show your work below.

40. Evaluate the following expression for x = -3, y = 3, and z = -1.

x + 4 = 10 The solution is x = Show your work below. 42. Solve. Check your solution.	41.	Solve. Check your solution.
Show your work below. 42. Solve. Check your solution. d - 5 = -24 The solution is d = Show your work below. 43. Solve. 5x = 15 The solution is x = Show your work below. 44. Solve. - 4z = 56 The solution is z =		x + 4 = 10
42. Solve. Check your solution. d - 5 = - 24 The solution is d = Show your work below. 43. Solve. 5x = 15 The solution is x = Show your work below. 44. Solve. -4z = 56 The solution is z =		The solution is x =
d - 5 = - 24 The solution is d = Show your work below. 43. Solve.		Show your work below.
d - 5 = - 24 The solution is d = Show your work below. 43. Solve.		
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The solution is d = Show your work below. 43. Solve. 5x = 15 The solution is x = Show your work below. 44. Solve. -4z = 56 The solution is z =	42.	
Show your work below. 43. Solve. 5x = 15 The solution is x = Show your work below. 44. Solve. - 4z = 56 The solution is z =		
43. Solve. 5x = 15 The solution is x = Show your work below. 44. Solve. -4z = 56 The solution is z =		The solution is d =
5x = 15 The solution is x = Show your work below. 44. Solve. -4z = 56 The solution is z =		Show your work below.
5x = 15 The solution is x = Show your work below. 44. Solve. -4z = 56 The solution is z =		
5x = 15 The solution is x = Show your work below. 44. Solve. -4z = 56 The solution is z =		
5x = 15 The solution is x = Show your work below. 44. Solve. -4z = 56 The solution is z =		
5x = 15 The solution is x = Show your work below. 44. Solve. -4z = 56 The solution is z =		
The solution is x = Show your work below. 44. Solve. - 4z = 56 The solution is z =	43.	Solve.
Show your work below. 44. Solve. - 4z = 56 The solution is z =		5x = 15
44. Solve. $-4z = 56$ The solution is $z = $		The solution is x =
- 4z = 56 The solution is z =		Show your work below.
- 4z = 56 The solution is z =		
- 4z = 56 The solution is z =		
- 4z = 56 The solution is z =		
- 4z = 56 The solution is z =		
The solution is z =	44.	Solve.
		-4z = 56
Show your work below.		The solution is z =
		Show your work below.

4.5	0-1
45.	Solve.

$$\frac{n}{4} = -8$$

The solution is n = _____.

Show your work below.

46. Solve.

$$\frac{x}{-3} = -7$$

The solution is x = _____.

Show your work below.

47. Simplify the expression by combining like terms.

48.	Simplify the expression by combining like terms.		
	3x – 16x		
	3x - 16x =		
	Show your work below.		
	Cimplify the averageign by combining like torms	_	
49.	Simplify the expression by combining like terms. $6x + x - 9x$		
	6x + x - 9x =	_	
	(Simplify your answer.)		
	Show your work below.		
		_	
50.			
	8(7x)		
	8(7x) =		
	Show your work below.		
<u> </u>	Multiply.	_	
	– 2(21y)		
	-2(21y) = (Simplify your answer.)		
	Show your work below.		

52.	Multiply.
	9(q + 4)

Show your work below.

53. Multiply.

Show your work below.

54. Multiply.

$$-2(5x+2)$$

55.	Simplify the expression. First use the distributive property to multiply and remove parentheses.
	4(x + 5) - 10
	4(x+5) - 10 =
	Show your work below.
56.	Solve the following equation.
	7x - 7 = 0
	χ =
	Show your work holow
	Show your work below.
57.	Solve the equation.
-	3x - 18 = 3
	The solution is x =
	Show your work below.
58.	Write the phrase as an algebraic expression. Use x to represent "a number."
	Five added to the product of 2 and a number
	The answer is
	Show your work below.

59. Solve the	equation

$$3 - b = 21$$

Show your work below.

60. Identify the numerator and the denominator of the fraction and identify the fraction as proper or improper.

7

The numerator of the fraction $\frac{7}{2}$ is ______.

The denominator of the fraction $\frac{7}{2}$ is ______.

Is the fraction $\frac{7}{2}$ proper or improper?

- O Proper
- Improper

Show your work below.

61. Write a fraction to represent the shaded region of the figure.



A fraction which represents the figure is _____.

62.	Represent the shaded part of the group of figures with (a) an improper fraction and (b) a mixed number.
	a. Write the shaded area as an improper fraction.
	b. Write the shaded area as a mixed number.
	Show your work below.
	The Atlantic hurricane season of this year rewrote the record books. There were 17 tropical storms, 10 of which turned into
	hurricanes. What fraction of this season's Atlantic tropical storms escalated to hurricanes?
	The fraction of tropical storms which escalated to hurricanes is
	Show your work below.
64.	Change the following mixed number to an improper fraction. $3\frac{1}{6}$
	$3\frac{1}{6} = \underline{\hspace{1cm}}$ (Type a fraction. Simplify your answer.)
	Show your work below.

	$\frac{17}{3}$
	<u>17</u> =
	Show your work below.
66	Find the prime factorization of the following number.
00.	20
	The prime factorization of 20 is
	Show your work below.
67.	Find the prime factorization of the following number.
	9
	The prime factorization of 9 is
	Show your work below.

65. Write the following improper fraction as mixed number or a whole number.

68. Write the fraction in lowest terms.

Show your work below.

69. Write the fraction in simplest form.

$$-\frac{63}{117}$$

 $-\frac{63}{117} =$ _____ (Simplify your answer.)

Show your work below.

70. Determine whether the pair of fractions is equivalent.

$$\frac{5}{15}$$
 and $\frac{3}{12}$

Choose the correct answer below.

- The fractions are equivalent.
- The fractions are not equivalent.

71. Multiply. Write the product in simplest form.

$$\frac{4}{11} \cdot \frac{1}{5}$$

$$\frac{4}{11} \cdot \frac{1}{5} = \underline{\hspace{1cm}}$$

Show your work below.

72. Multiply. Write the product in simplest form.

$$-\frac{3}{2} \cdot \frac{5}{9}$$

$$-\frac{3}{2} \cdot \frac{5}{9} =$$

Show your work below.

73. Multiply. Write the product in simplest form.

$$-\frac{5}{2} \cdot -\frac{2}{13}$$

$$-\frac{5}{2} \cdot -\frac{2}{13} =$$
 _____ (Type an integer or a simplified fraction.)

74. Divide.

$$\frac{2}{13} \div \frac{17}{26}$$

Select the correct choice below and fill in any answer boxes in your choice.

- \bigcirc **A.** $\frac{2}{13} \div \frac{17}{26} =$ ______ (Type an integer or a simplified fraction.)
- O B. The answer is undefined.

Show your work below.

75. Divide. Write the quotient in simplest form.

$$-\frac{6}{25} \div \frac{12}{5}$$

$$-\frac{6}{25} \div \frac{12}{5} =$$

Show your work below.

76. Find $\frac{3}{5}$ of 35. Write the answer in simplest form.

$$\frac{3}{5}$$
 of 35 is ______. (Simplify your answer.)

77. Add.

$$\frac{5}{7} + \frac{1}{7}$$

$$\frac{5}{7} + \frac{1}{7} =$$
 (Simplify your answer. Type an integer or a fraction.)

Show your work below.

78. Add and simplify.

$$\frac{2}{9} + \frac{4}{9}$$

$$\frac{2}{9} + \frac{4}{9} =$$
 _____ (Type an integer or a simplified fraction.)

Show your work below.

79. Add and simplify.

$$-\frac{5}{18} + \left(-\frac{11}{18}\right)$$

$$-\frac{5}{18} + \left(-\frac{11}{18}\right) =$$
 _____ (Type an integer or a simplified fraction.)

80. Subtract.

$$\frac{17}{23} - \frac{15}{23}$$

$$\frac{17}{23} - \frac{15}{23} =$$
 _____ (Type an integer or fraction.)

Show your work below.

81. Subtract and simplify.

$$\frac{9}{10} - \frac{7}{10}$$

$$\frac{9}{10} - \frac{7}{10} =$$
 _____ (Type an integer or a simplified fraction.)

Show your work below.

82. Write the fraction as an equivalent fraction with the given denominator.

$$\frac{4}{7} = \frac{}{35}$$

$$\frac{4}{7} = \frac{}{35}$$

83. Add and simplify.

$$\frac{1}{3} + \frac{2}{9}$$

$$\frac{1}{3} + \frac{2}{9} =$$
 _____ (Type an integer or a fraction.)

Show your work below.

84. Perform the indicated operation.

$$\frac{2}{3} - \frac{1}{10}$$

$$\frac{2}{3} - \frac{1}{10} =$$
 _____ (Type a whole number or a simplified fraction.)

Show your work below.

85. Add.

$$-\frac{5}{16} + \frac{5}{32}$$

$$-\frac{5}{16} + \frac{5}{32} =$$
 _____ (Simplify your answer. Type an integer or a fraction.)

86. Add or subtract as indicated.

$$\frac{7}{16} - \frac{7}{8}$$

$$\frac{7}{16} - \frac{7}{8} =$$

Show your work below.

87. Add or subtract as indicated.

$$-7 + \frac{2}{7}$$

$$-7+\frac{2}{7}=$$

Show your work below.

88. Use < or > to make the statement true.

$$\frac{2}{5}$$
 ? $\frac{2}{6}$

$$\frac{2}{5}(1)$$
 $\frac{2}{6}$

89. Insert < or > to form a true sentence.

$$-\frac{7}{15}$$
? $-\frac{5}{6}$

(1) 0 <

Show your work below.

90. Graph the list of numbers on a number line.

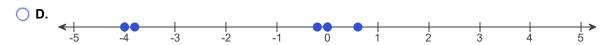
$$-4$$
, $-3\frac{3}{4}$, 0 , $\frac{5}{8}$, $-\frac{1}{5}$

Choose the correct graph below.









91. Multiply.

$$3\frac{1}{6} \cdot 4\frac{3}{8}$$

$$3\frac{1}{6} \cdot 4\frac{3}{8} =$$

(Simplify your answer. Type an integer, proper fraction, or mixed number.)

Show your work below.

92. Divide.

$$1\frac{1}{9} \div \frac{1}{2}$$

$$1\frac{1}{9} \div \frac{1}{2} = \underline{\hspace{1cm}}$$

(Type an integer, proper fraction, or mixed number. Simplify your answer.)

Show your work below.

93. Add.

$$\begin{array}{r}
 14 \frac{5}{12} \\
 16 \\
 +28 \frac{3}{14}
 \end{array}$$

The addition is

(Simplify your answer. Type an integer, proper fraction, or mixed number.)

94. Perform the indicated operation.

$$-5\frac{1}{3} \cdot \left(-2\frac{1}{2}\right)$$

$$-5\frac{1}{3} \cdot \left(-2\frac{1}{2}\right) = \underline{\hspace{1cm}}$$

(Simplify your answer. Type an integer, proper fraction, or mixed number.)

Show your work below.

95. Perform the indicated operation.

$$10\frac{7}{30} - 20\frac{5}{36}$$

$$10\frac{7}{30} - 20\frac{5}{36} =$$
 _____ (Type an integer, proper fraction, or mixed number.)

Show your work below.

96. Solve the equation.

$$y - \frac{7}{23} = -\frac{2}{23}$$

y = (Simplify your answer. Type an integer or a fraction.)

	Choose the correct answer below.
	O A. Seven hundred fifty-eight and two thousandths
	OB. Seven hundred fifty-eight and two hundredths
	○ C. Seven hundred fifty-eight and two tenths
	O. Seven hundred fifty-eight point two
	Show your work below.
	Show your work below.
98.	Write the following decimal number in standard form.
	Nine and four hundredths
	The number in the standard form is .
	Show your work below.
99.	Write the decimal as a fraction or a mixed number.
	0.39
	0.39 written as a fraction or mixed number is (Simplify your answer.)
	Show your work below.

97. Write the decimal 758.002 in words.

100.	Write the following decimal as a fraction or mixed number in lowest terms. 4.4
	4.4 =
	(Simplify your answer. Type an integer, proper fraction, or mixed number.)
	Show your work below.
101.	Insert <, >, or = between the pair of numbers to form a true statement.
	0.3 0.297
	0.3(1)0.297
	(1) 🔘 >
	○ = ○ <
	Show your work holow
	Show your work below.
102.	Round - 0.722 to the nearest hundredth.
	- 0.722 rounded to the nearest hundredth is
	Show your work below.

103.	Add the following.		
	8.1 + 2.15		
	8.1 + 2.15 =	(Type an integer or a decimal.)	
	Show your work belo	<u>ı.</u>	
104.	Subtract and check the	ollowing.	
	19 – 1.9		
	19 – 1.9 =	_ (Type an integer or a decimal.)	
	Show your work belo	<u>/.</u>	
105.	Subtract and check the	ollowing.	
	- 3.23 - 5.3		
	- 3.23 - 5.3 =	(Type an integer or a decimal.)	
	Show your work belo	<u>ı.</u>	
106.	Multiply.		
	(-1.4)(3.14)		
	(-1.4)(3.14) =	(Type an integer or a decimal.)	
	Show your work belo	<u>ı.</u>	

107.	Divide.
	0.83)4.731
	The quotient is
	(Type an integer or a decimal.)
	Show your work below.
108.	Divide. Abbreviate any repeating decimals by placing a bar over the repetend.
	1.548 ÷ 9
	1.548 ÷ 9 = (Type an integer or a decimal.)
	1.546 ÷ 9 = (Type all illeger of a decimal.)
	Show your work below.

109. Write the number as a decimal.

110	\/\/rit△	the	fraction	26.2	decimal.
110.	VVIIIC	uic	Haction	as a	accimiai.

Show your work below.

111. Write as an equivalent decimal.

$$\frac{5}{33}$$

Choose the correct answer below.

- 0.15
- 0.152
- 0.15
- 0.15

Show your work below.

112. Insert <, >, or = to form a true statement.

2.61
$$\frac{34}{13}$$

$$\frac{34}{13}$$

	The mean is	. (Round to one decimal place a	as needed.)	
	The median is	(Round to one decimal place	e as needed.)	
,	What is the mode? Select th	e correct choice below and, if ne	cessary, fill in the answer box to complete your choice	Э.
	O A. The mode is	. (Use a comma to sepa	rate answers as needed.)	
	B. There is no mode.			
	Show your work below.			
	Write the ratio as a ratio of w	hole numbers using fractional no	otation. Write the fraction in simplest form.	
			radon. Wino dio nacdon in chimpicot form.	
	95 days to 35 days	, and the second	value in the modern in employment.	
	95 days to 35 days The ratio of 95 days to 35 da (Type the ratio as a simplified	ıys is		
	The ratio of 95 days to 35 da	ıys is		
	The ratio of 95 days to 35 da (Type the ratio as a simplified	ıys is		
	The ratio of 95 days to 35 da (Type the ratio as a simplified	ıys is		
	The ratio of 95 days to 35 da (Type the ratio as a simplified	ıys is		
	The ratio of 95 days to 35 da (Type the ratio as a simplified	ys is d fraction.)		
-	The ratio of 95 days to 35 da (Type the ratio as a simplified Show your work below.	ys is d fraction.)	The rate iscups	
-	The ratio of 95 days to 35 days t	ys is d fraction.)	cups	
-	The ratio of 95 days to 35 days t	ys is d fraction.)	cups	
-	The ratio of 95 days to 35 days t	ys is d fraction.)	cups	

113. For the given set of numbers, find the mean, the median, and the mode. If necessary, round the mean to one decimal

116.	Write the	rate as a	a unit rate

456 riders in 6 subway cars

The unit rate is _____ riders/car.
(Simplify your answer. Type a whole number or a decimal.)

Show your work below.

117. Find the unit price.

\$1.50 for 15 bananas

Unit price = \$ per banana

Show your work below.

118. Determine whether the proportion is a true proportion.

$$\frac{15}{12} = \frac{5}{4}$$

Choose the correct answer below.

- The proportion $\frac{15}{12} = \frac{5}{4}$ is a true proportion.
- The proportion $\frac{15}{12} = \frac{5}{4}$ is a false proportion.

119.	Determine whether the proportion is true or false.
	$\frac{14}{3} = \frac{2}{5}$
	Choose the correct answer below.
	The proportion is false.
	The proportion is true.
	Show your work below.
120.	For the given proportion, find the unknown number n.
	$\frac{n}{7} = \frac{6}{14}$
	n = (Simplify your answer.)
	(Ompiny your answer.)
	Show your work below.
121.	For the given proportion, find the unknown number n.
	$\frac{30}{15} = \frac{6}{n}$
	n = (Simplify your answer.)
	Show your work below.

122.	Nearly 4 of 5 people choose vanilla as their favorite ice cream flavor. If 130 people attend an ice cream social, how many would you expect to choose vanilla?			
	people will choose vanilla ice cream. Show your work below.			
123.	Write the percent as a decimal.			
	39%			
	39% =			
	Show your work below.			
124.	Write the percent as a fraction or mixed number in simplest form.			
	14%			
	14% =			
	Show your work below.			
125.	Write the decimal as a percent.			
	0.27			
	0.27 =% (Simplify your answer. Type an integer or a decimal.)			
	Show your work below.			

	$\frac{11}{25}$
	11/25 =% (Simplify your answer.)
	Show your work below.
127.	Write the mixed number as a percent.
	$8\frac{1}{2}$
	8 1 =%
	Show your work below.
128.	Solve the following equation.
	18 is what percent of 20?
	% (Type an integer or a decimal.)
	Show your work below.

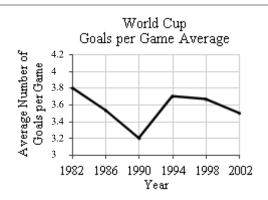
126. Write the fraction as a percent.

129.	What number is 61% of 50?
	is 61% of 50.
	Show your work below.
130.	35% of what number is 70?

Show your work below.

The answer is

The line graph shows the average number of goals per World Cup game during the years shown. Between 1998 and 2002, did the average number of goals per game increase or decrease?



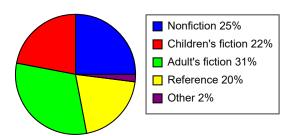
Between 1998 and 2002 the average number of goals

(Type an integer or a decimal rounded to the nearest tenth.)

Increased

Decreased

132. The circle graph shows the percent of the types of books available at a library. What is the second-largest category of books?



Choose the correct answer below.

- O A. Childrens's fiction
- OB. Other
- O. Adult's fiction
- O D. Reference
- O E. Nonfiction

Show your work below.

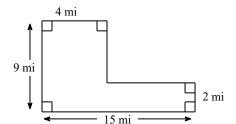
133. A Prealgebra class is instructed to plot the point (– 1,3) on a rectangular coordinate system. Which of the following procedures will correctly determine the location of this point?

Choose the correct answer below.

- Choose a place to start. Move one space left and then move three spaces up. Mark the point.
- Starting at the origin, move one space right and then move three spaces up. Mark the point.
- Oc. Starting at the origin, move one space down and then three spaces right. Mark the point.
- O. Starting at the origin, move one space left, and then move three spaces up. Mark the point.

134.	34. If a single 6-sided die is tossed once, find the probability of rolling a 2.		
	The probability is	. (Type a whole number or a simplified fraction.)	
	Show your work below.		
135.	Find the measure of the comple		
	The measure of the complement (Simplify your answer. Type an		
	Show your work below.		
126	Find the perimeter of the figure	shown to the right	
136.	rind the perimeter of the figure	shown to the right. 15 m	
		25 m	
		18 m	
		18 m	
	The perimeter of the figure is _	(1)	
	(1) o square meters. o meters.		
	Show your work below.		

137	Find the	area c	of the	aiven	aeometric	figure

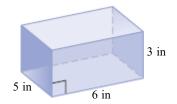


The area of the figure is _____ (1) ___ (Simplify your answer.)

- (1) o sq mi.
 - O mi.
 - O cu mi.

Show your work below.

138. Find the volume and the surface area of the solid.



The volume is ______ (1) _____. (Simplify your answer.)

The surface area is (2) _____. (Simplify your answer.)

- (1) inches
- (2) O inches
- square inches
- cubic inches
- cubic inches

	The exact circumference of the circle is (1) (Simplify your answer. Type an exact answer in terms of π .)	
	The approximate circumference of the circle is (2) (Type an integer or a decimal rounded to the nearest hundredth.)	
	(1) Square miles. (2) miles. Square miles.	
	Show your work below.	
4.40		
140.	Find the area of the given geometric figure. If the figure is a circle, give an exact area and then use $\frac{22}{7}$ as an approximation for π to approximate the area.	r=4 in.
	The exact area of the circle is (1) (Simplify your answer. Type an exact answer in terms of π .)	
	The approximate area is (2) (Simplify your answer. Type an integer, proper fraction, or a mixed number.)	
	(1)	
	Show your work below.	

139. Find the circumference of the circle. Give the exact

circumference and then an approximation. Use $\pi\approx 3.14.$

-----ANSWER KEY FOR REFERENCE-----

2. D. ninety-two million, five hundred thirty-seven thousand, nine hundred twenty-six

3. 74,117,006

4. 719,306

5. 3052

6.400

7. 1813

8.10

(1) square meters.

14

(2) meters.

9. A. 0 ÷ 9 = _____ (Simplify your answer.)

10. B. The answer is undefined.

11. ₈³

12. A. 22 + 6 • 9 = **76**

13. A. 27 ÷ 9 • 3 + 6 = **15**

14. 51

15. 9

16. No

17. Yes

18. x + 10	
19. 6 – x	
20. 505x	
21. <u>4</u> <u>x</u>	
22. <	
23. 4	
24. 16	
25. >	
26. –16	
27. 0	
2823	
292	
30. – 1	
31. 26	
32. 2	
33. –18	
34. 37	
35. 2	

36. A. $\frac{-80}{8}$ = (Simplify your answer.)
37. A. $\frac{-120}{-12} =$
38. – 5
39. –2
40. –6
41. 6
42. – 19
43. 3
44. – 14
45. – 32
46. 21
47. 7x
48. – 13x
49. –2x
50. 56x

52. 9q + 36

51. -42y

53. 4a – 16

54.	-10x-4
55.	4x + 10
56.	1
57.	7
58.	2x + 5
59.	-18
60.	
	2 Improper
61.	<u>1</u> 7
62.	<u>11</u>
	$5\frac{1}{2}$
63.	<u>10</u> 17
64.	<u>19</u> 6
65.	$5\frac{2}{3}$
66.	2 ² •5
67.	3 ²

- 68. <u>3</u>
- 69. $-\frac{7}{13}$
- 70. The fractions are not equivalent.
- 71. <u>4</u> 55
- 72. $-\frac{5}{6}$
- 73. <u>5</u> 13
- 74. A. $\frac{2}{13} \div \frac{17}{26} = \frac{4}{17}$ (Type an integer or a simplified fraction.)
- 75. $-\frac{1}{10}$
- 76. 21
- 77. <u>6</u> 7
- 78. <u>2</u> 3
- 79. $-\frac{8}{9}$
- 80. 2 23
- 81. 1/5

82. 20

83. 5/9

84. 17 30

85. $-\frac{5}{32}$

86. $-\frac{7}{16}$

87. $-\frac{47}{7}$

88. (1) >

89. (1) >

90.

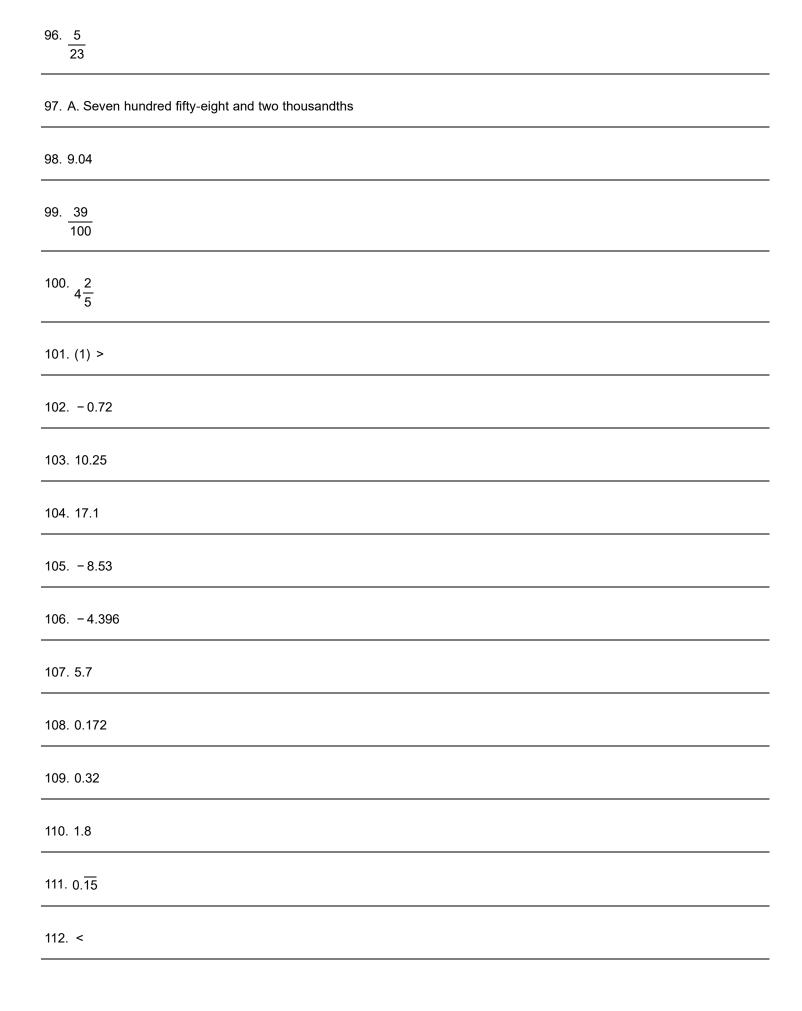
91. 13⁴¹/₄₈

92. $2\frac{2}{9}$

93. $58\frac{53}{84}$

94. $13\frac{1}{3}$

95. $-9\frac{163}{180}$



113. 1.3
1.3
A. The mode is (Use a comma to separate answers as needed.)
114. <u>19</u> 7
115. 7
2
116. 76
117. 0.10
The proportion $\frac{15}{12} = \frac{5}{4}$ is a true proportion.
12 4
119. The proportion is false.
120. 3
121. 3
122. 104
123. 0.39
124. $\frac{7}{50}$
125. 27
126. 44

127. 850

128. 90

129. 30.5
130. 200
131. Decreased
132. E. Nonfiction
133. D. Starting at the origin, move one space left, and then move three spaces up. Mark the point.
134. <u>1</u> 6
135. 56
136. 86 (1) meters.
137. 58 (1) sq mi.
138. 90 (1) cubic inches 126 (2) square inches
139. 34π (1) miles. 106.76 (2) miles.
140. 16π (1) sq in. $50\frac{2}{7}$

(2) sq in.