Name _____   Date _____

Circle your final answers.

Is the number divisible by any number(s) less than 10? If so, which ones.

1. 54   2. 443

Simplify.

3. $5.5 + 2.3636$ 4. $0.004 + 0.6$

5. $8.6 - 4.584$ 6. $0.8 - 0.004$

7. $10 \cdot 2.387$ 8. $(33.8025)(100)$

9. 23.2×0.01 10. $\frac{1}{100} \times 356.57$

11. $48 \div 10$ 12. $8.4 \div 0.0001$

13. $34.7 \div \frac{1}{100}$ 14. $\begin{array}{r} 2.05 \\ \times \ \ 3.8 \\ \hline \end{array}$

15. $\begin{array}{r} 2.05 \\ \times \ \ 0.006 \\ \hline \end{array}$ 16. $7 \div 8$

17. $28.971 \div 0.9$ 18. $0.8 \overline{)36.8}$

19. $7.4 \overline{)6.66}$ 20. Find the sum of 3.2 and 5.4.

21. The difference of 56.85 and 13.07 is _____.   22. What is 2.2 less than 10.06?

23. Allison bought 10 pounds of flour. She used 2.1 pounds to make bread. How much flour did she have left?

24. Find the quotient of 33.18 and 14.

25. What is 1.12 divided by 7?

26. A certain type of juice comes in 1.9 liter cartons. Find the total amount of juice in 8 cartons.

27. Five friends went out for pizza. The total bill was $24.85. If the bill was to be split equally, how much did each person pay?

28. Mr. Whipple bought a 15 ounce box of cereal. The box is suppose to contain 10 servings. He ate 3 ounces of cereal for breakfast. How many servings was this?

29. The eighth graders were trying to raise $2,000 for a trip. They decided to sell candy bars. For each candy bar sold, they got 72¢. They sold 2,863 candy bars. How much more than their goal did they raise?

30. There are two taxi services in Bob's town. Taxi A charges $1.50 for each passenger, plus $1.10 per mile. Taxi B charges $1.25 for each passenger, plus $1.25 per mile. Which service is less expensive for one person to take a 5 mile trip?

What percent of the diagram is shaded?

31.
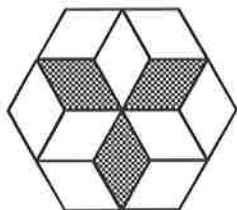
Write as a decimal.

32. $\frac{3}{20}$

33. $\frac{5}{4}$

34. $\frac{11}{10}$

35. $\frac{397}{10000}$

Write as a percent.

36. 0.1

37. 1.1

38. 0.00397

Write as a fraction.

39. 15%

40. $42\frac{6}{7}\%$

41. 125%

Fill in the table(s).

42.

fraction	decimal	percent
$\frac{7}{10}$		

43.

fraction	decimal	percent
$\frac{1}{5}$		
		40%
	0.8	

44. Find 27.5% of 88.

45. What is 25% of 36?

46. What is 150% of 20?

47. 8 is what percent of 32?

48. 225 is what percent of 90?

49. What percent of 63 is 0.63?

50. 0.37 is _____% of 37.

51. 39 is 10% of what number?

52. 320 is 200% of what number?

53. 25% of what number is 12?

54. $12\frac{1}{2}\%$ of what number is 17?

Fill in the table(s).

55. item: bicycle

regular price	$175.00
% discount	
sale price	$148.75

56. item: camera

regular price	$34.89
% discount	
sale price	$27.91

57. item: pair of pants

wholesale	$12.99
% mark-up	20%
retail price	

58. What is the simple interest earned on $750, if it is invested at an annual rate of 8% for 9 years?

Simplify.

59. $2 - \dfrac{10}{3}$

60. $\dfrac{9}{10} - \dfrac{1}{5}$

61. $\dfrac{3}{10} - \left(-\dfrac{9}{20}\right)$

62. $-\dfrac{3}{5} - \dfrac{7}{10} + \dfrac{2}{15}$

63. $5\dfrac{2}{3} - 7\dfrac{1}{3}$

64. $-11\dfrac{2}{5} - \left(-9\dfrac{3}{5}\right)$

65. $(-1.4) - (-0.7)$

66. $-\dfrac{5}{6} \cdot 10$

67. $\left(\dfrac{7}{9}\right)\left(-\dfrac{3}{5}\right)$

68. $\left(-\dfrac{3}{4}\right)\left(\dfrac{3}{10}\right)\left(\dfrac{5}{6}\right)$

69. $-15 \div \left(-\dfrac{5}{6}\right)$

70. $\dfrac{15}{17} \div \dfrac{2}{3}$

71. $-\dfrac{3}{5} \div \left(-2\dfrac{1}{4}\right)$

72. $(-1.4)(-3.8)$

73. $5.6 \div 8$

74. $-1.2 \div 0.4$

75. $0.04 \overline{)2.66}$

Write as a decimal.

76. $-\dfrac{5}{2}$

77. $\dfrac{10}{11}$

Write as a rational number, if possible.

78. 0.66

79. π

80. $-0.292292229\ldots$

81. $\frac{8}{2}$

Find the missing factor.

82. $100 = 25\,(\,?\,)$

83. $270 = 30\,(\,?\,)$

Write the first three multiples of each number.

84. 34

Find the least common multiple.

85. 6, 1

86. 9, 30

87. 8, 12, 15

Write each mixed number as an improper fraction.

88. $3\frac{1}{5}$

89. $4\frac{2}{3}$

Simplify.

90. $\frac{13}{20} + \frac{5}{20}$

91. $3\frac{5}{8} + 2\frac{7}{8}$

92. $\frac{9}{14} + \frac{3}{4}$

93. $4\frac{14}{15} + 6\frac{3}{10}$

94. $\frac{15}{28} \cdot \frac{14}{25}$

95. $4\frac{2}{7} \times 6\frac{2}{9}$

96. $\frac{6}{11} \div \frac{8}{12}$

97. $1\frac{3}{7} \div 2$

98. $\dfrac{\frac{20}{21}}{\frac{6}{7}}$

99. Find $\frac{7}{4}$ increased by $\frac{1}{4}$.

100. What is $\frac{2}{3}$ decreased by $\frac{4}{9}$?

101. Elizabeth bicycled $12\frac{1}{2}$ miles on Monday, $20\frac{3}{4}$ miles on Tuesday and $16\frac{5}{8}$ miles on Friday. How far did she bicycle in all?

102. Bruce has gained $1\frac{1}{2}$ pounds this month. He now weighs 92 pounds. How much did he weigh before he gained the weight?

103. $\frac{6}{7}$ multiplied by $\frac{21}{8}$ is _____ .

104. Find $\frac{5}{8}$ divided by $\frac{7}{12}$.

105. Terri bought 162 cans of juice for a party. She used $\frac{5}{6}$ of them to make punch. How many cans of juice did she use to make punch?

106. How many laps can Gayla swim in 126 minutes if each lap takes her $4\frac{1}{2}$ minutes.

107. The cheerleaders are selling boxes of cookies. They have 3 weeks to sell 280 boxes. The first week, they sell $\frac{1}{4}$ of them. The second week, they sell $\frac{5}{7}$ of what is left. How many boxes must they sell the third week, to meet their goal?

Simplify.

108. $(-8) + (-8)$

109. $-15 + 3 + 11$

110. $-13 - 18$

111. $(-19) - (-4)$

112. $(-3) + 14 + (-7)$

113. $-[-(-8 + 5)]$

114. $-[17 - (-19)]$

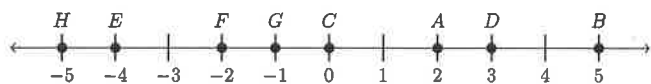115. $43 - (-31 + 42) - 21$

116. $(-11)(-11)$

117. $-9 \cdot 8 \cdot 4$

118. $-352 \div 16$

119. $\dfrac{-16}{0}$

120. $45 \div (-20)$

Refer to the number line to answer the questions.

121. What number corresponds to point E?

122. Which point is closer to the origin, A or F?

Write the opposite.

123. -2

124. $-[-(-47)]$

125. $-[-(-0.2)]$

126. $-[-(-\frac{15}{16})]$

Fill in each blank with the correct symbol ($<$, $>$, or $=$).

127. 0.31 ___ 0.125

128. -0.34 ___ -0.58

129. $\frac{12}{8}$ ___ $\frac{12}{15}$

130. $-\frac{7}{5}$ ___ $-\frac{8}{7}$

Answer List

1.	2, 3, 6, 9	2.	prime	3.	7.8636
4.	0.604	5.	4.016	6.	0.796
7.	23.87	8.	3380.25	9.	0.232
10.	3.5657	11.	4.8	12.	84000
13.	3470	14.	7.79	15.	0.0123
16.	0.875	17.	32.19	18.	46
19.	0.9	20.	8.6	21.	43.78
22.	7.86	23.	7.9 lb	24.	2.37
25.	0.16	26.	15.2 liters	27.	$4.97
28.	2 servings	29.	$61.36	30.	Taxi A
31.	25%	32.	$0.15, 15\%$	33.	$1.25, 125\%$
34.	$1.1, 110\%$	35.	$0.00397, 0.397\%$	36.	$\frac{1}{10}, 10\%$
37.	$\frac{11}{10}, 110\%$	38.	$\frac{397}{10000}, 0.397\%$	39.	$\frac{3}{20}, 0.15$
40.	$\frac{3}{7}, 0.\overline{428571}$	41.	$\frac{5}{4}, 1.25$	42.	$0.7, 70\%$
43.	$0.2, 20\%; \frac{2}{5}, 0.4; \frac{4}{5}, 80\%$	44.	24.2	45.	9
46.	30	47.	25%	48.	250%
49.	1%	50.	1	51.	390
52.	160	53.	48	54.	136
55.	15%	56.	20% (rounded)	57.	$15.59 (rounded)
58.	$540	59.	$-\frac{4}{3}$	60.	$\frac{7}{10}$
61.	$\frac{3}{4}$	62.	$-\frac{7}{6}$	63.	$-1\frac{2}{3}$
64.	$-1\frac{4}{5}$	65.	-0.7	66.	$-\frac{25}{3}$
67.	$-\frac{7}{15}$	68.	$-\frac{3}{16}$	69.	18
70.	$\frac{45}{34}$	71.	$\frac{4}{15}$	72.	5.32
73.	0.7	74.	-3	75.	66.5
76.	-2.5	77.	$0.\overline{90}$	78.	$\frac{33}{50}$
79.	irrational	80.	irrational	81.	4
82.	4	83.	9	84.	34, 68, 102
85.	6, 1	86.	90, 3	87.	120, 1
88.	$\frac{16}{5}$	89.	$\frac{14}{3}$	90.	$\frac{9}{10}$
91.	$6\frac{1}{2}$	92.	$\frac{39}{28}$	93.	$11\frac{7}{30}$
94.	$\frac{3}{10}$	95.	$\frac{80}{3}$	96.	$\frac{9}{11}$
97.	$\frac{5}{7}$	98.	$\frac{10}{9}$	99.	2
100.	$\frac{2}{9}$	101.	$49\frac{7}{8}$ mi	102.	$90\frac{1}{2}$ lb
103.	$\frac{9}{4}$	104.	$1\frac{1}{14}$	105.	135 cans

106. 28 laps

107. 60 boxes

108. −16

109. −1

110. −31

111. −15

112. 4

113. −3

114. −36

115. 11

116. 121

117. −288

118. −22

119. undef.

120. −$\frac{9}{4}$

121. −4

122. same

123. 2

124. 47

125. 0.2

126. $\frac{15}{16}$

127. >

128. >

129. >

130. <

Catalog List

1.   PRE DG 45
2.   PRE DG 65
3.   PRE CC 45
4.   PRE CC 65
5.   PRE CD 65
6.   PRE CD 85
7.   PRE CE 25
8.   PRE CE 45
9.   PRE CE 85
10. PRE CE 105
11. PRE CE 125
12. PRE CE 205
13. PRE CE 225
14. PRE CF 85
15. PRE CF 105
16. PRE CG 5
17. PRE CG 45
18. PRE CG 145
19. PRE CG 205
20. PRE CI 5
21. PRE CI 45
22. PRE CI 85
23. PRE CJ 25
24. PRE CK 45
25. PRE CK 65
26. PRE CL 5
27. PRE CL 45
28. PRE CM 5
29. PRE CM 25
30. PRE CM 45
31. PRE HA 45
32. PRE HB 25
33. PRE HB 65
34. PRE HB 85
35. PRE HB 105
36. PRE HC 5
37. PRE HC 85
38. PRE HC 105
39. PRE HD 25
40. PRE HD 45
41. PRE HD 65
42. PRE HE 5
43. PRE HE 25
44. PRE HF 45
45. PRE HF 65
46. PRE HF 85
47. PRE HG 25
48. PRE HG 45
49. PRE HG 65
50. PRE HG 125
51. PRE HH 5
52. PRE HH 25
53. PRE HH 65
54. PRE HH 85
55. PRE HI 5
56. PRE HI 25
57. PRE HI 45
58. PRE HJ 5
59. ALG AG 5
60. ALG AG 45
61. ALG AG 65
62. ALG AG 85
63. ALG AG 105
64. ALG AG 125
65. ALG AH 65
66. ALG AI 25
67. ALG AI 45
68. ALG AI 85
69. ALG AI 105
70. ALG AI 125
71. ALG AI 145
72. ALG AJ 45
73. ALG AJ 65
74. ALG AJ 85
75. ALG AJ 125
76. ALG AK 25
77. ALG AK 65
78. ALG AL 5
79. ALG AL 25
80. ALG AL 45
81. PRE BA 105
82. PRE BB 25
83. PRE BB 65
84. PRE BC 25
85. PRE BD 5
86. PRE BD 45
87. PRE BD 105
88. PRE BE 5
89. PRE BE 25
90. PRE BF 25
91. PRE BF 105
92. PRE BF 145
93. PRE BF 225
94. PRE BH 65
95. PRE BH 105
96. PRE BI 65
97. PRE BI 105
98. PRE BI 185
99. PRE BJ 25
100. PRE BJ 145
101. PRE BK 25
102. PRE BK 45
103. PRE BL 25
104. PRE BL 65
105. PRE BM 25
106. PRE BM 45
107. PRE BN 25
108. ALG AA 25
109. ALG AA 145
110. ALG AB 25
111. ALG AB 65
112. ALG AC 25
113. ALG AD 25
114. ALG AD 45
115. ALG AD 105
116. ALG AE 65
117. ALG AE 85
118. ALG AF 25
119. ALG AF 65
120. ALG AF 105
121. PRE DA 5
122. PRE DA 25
123. PRE DC 25
124. PRE DC 65
125. PRE DC 105
126. PRE DC 145
127. PRE DE 25
128. PRE DE 45
129. PRE DE 65
130. PRE DE 85