

**Grade:** 6

**Topic:** T1 Final Exam Revision Worksheet

**Student Name:**

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**Lessons Included:**

- 1-1: Fluently Add, Subtract & Multiply Decimals
- 1-2: Fluently Divide Whole Numbers & Decimals
- 1-3: Multiply Fractions
- 1-4: Understand Division With Fractions
- 1-5: Divide Fractions by Fractions
- 1-6: Divide Mixed Numbers
- 2-1: Understand Integers
- 2-2: Represent Rational Numbers on the Number Line
- 2-3: Absolute Value of Rational Numbers
- 2-4: Represent Rational Numbers on the Coordinate Plane
- 2-5: Find Distances on the Coordinate Plane
- 2-6: Represent Polygons on the coordinate plane

1.  $4.56 + 3.782 =$

2.  $12.4 - 7.89 =$

3.  $0.009 + 0.56 =$

4.  $18.07 - 0.9 =$

5.  $3.2 \times 0.4 =$

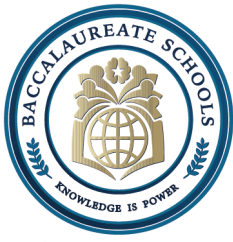
6.  $7.83 \times 1.2 =$

7.  $0.55 + 14.007 =$

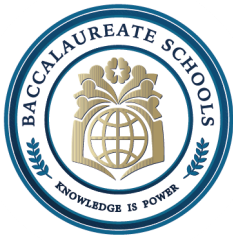
8.  $23.6 - 19.842 =$

9.  $0.08 \times 0.07 =$

10. A rope measures 12.6 m. You cut off 3.48 m. How much rope remains?



11.  $864 \div 9 =$
12.  $5.6 \div 0.2 =$
13.  $12.48 \div 4 =$
14.  $0.75 \div 0.05 =$
15.  $930 \div 15 =$
16.  $48.36 \div 0.6 =$
17.  $19.5 \div 3 =$
18.  $0.144 \div 0.12 =$
19.  $7.2 \div 0.9 =$
20. A machine produces 324 items in 18 hours. How many items per hour?
  
21.  $\frac{3}{4} \times \frac{2}{5} =$
22.  $\frac{7}{8} \times 6 =$
23.  $3 \times \frac{5}{6} =$
24.  $\frac{4}{9} \times \frac{3}{7} =$
25.  $\frac{2}{3} \times \frac{9}{10} =$
26.  $\frac{5}{12} \times 8 =$
27.  $\frac{11}{15} \times \frac{5}{11} =$
28.  $\frac{7}{9} \times \frac{3}{4} =$
29.  $\frac{2}{5} \times \frac{2}{3} =$
30. A recipe calls for  $\frac{3}{4}$  cup of sugar per batch. You make 5 batches. How much sugar is needed?



31. What does  $\frac{3}{4} \div \frac{1}{2}$  mean in terms of "how many halves are in three-fourths"?
32. Model  $2 \div \frac{1}{3}$ . How many one-thirds are in 2?
33. Explain: Why is dividing by a fraction the same as multiplying by its reciprocal?
34. If a ribbon is  $\frac{5}{6}$  yard long and each piece is  $\frac{1}{6}$  yard, how many pieces can be cut?
35. Describe a real-world situation represented by  $4 \div \frac{2}{3}$ .

36.  $\frac{3}{5} \div \frac{2}{3} =$

37.  $\frac{7}{9} \div \frac{1}{3} =$

38.  $\frac{4}{7} \div \frac{2}{5} =$

39.  $\frac{2}{3} \div \frac{5}{6} =$

40.  $\frac{5}{12} \div \frac{2}{3} =$

41.  $\frac{9}{10} \div \frac{3}{5} =$

42.  $\frac{1}{6} \div \frac{1}{12} =$

43.  $\frac{5}{8} \div \frac{5}{16} =$

44.  $\frac{3}{4} \div \frac{3}{8} =$

45. A board is  $\frac{7}{8}$  ft long. Each piece is  $\frac{1}{4}$  ft. How many pieces?

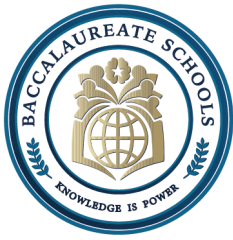
46.  $2\frac{1}{4} \div \frac{1}{2} =$

47.  $3\frac{2}{3} \div \frac{4}{5} =$

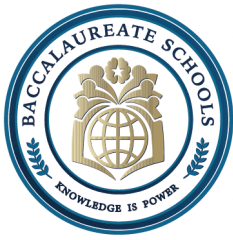
48.  $5\frac{1}{2} \div 2 =$

49.  $4\frac{3}{4} \div 1\frac{1}{2} =$

50.  $6\frac{2}{3} \div \frac{5}{6} =$



51. Write an integer to represent: a gain of 12 points.
52. Write an integer for: 6 meters below sea level.
53. Which is greater:  $-3$  or  $-7$ ?
54. Order from least to greatest:  
 $-2, 5, -8, 0, 3$
55. True or False:  $-15$  is to the left of  $-3$  on the number line.
56. Plot:  $-\frac{3}{4}$
57. Which is farther from 0:  $-\frac{5}{6}$  or  $\frac{1}{2}$ ?
58. Identify the point on a number line between  $-2$  and  $-1$  that is equally spaced:  
 $-2, ?, -1$
59. Place these on a number line:  
 $\frac{2}{3}, -1.5, 0, -0.25$
60. Which number is closer to 0:  $-1.2$  or  $-0.4$ ?
61.  $|-7| =$
62.  $|0| =$
63. Which is larger:  $|-3.5|$  or  $|2.8|$ ?
64. Find the distance between  $-4$  and  $2$  on the number line.
65. If the temperature changes from  $-5^{\circ}\text{C}$  to  $3^{\circ}\text{C}$ , what is the absolute change?
66. Plot point  $A(3, -2)$ .
67. What quadrant is the point  $(-4, -1)$  in?
68. For  $B(5, 0)$ , is it on an axis? Which one?
69. Reflect the point  $(2, -3)$  across the x-axis.
70. Reflect the point  $(-6, 4)$  across the y-axis.



71. Distance between  $(3, 7)$  and  $(3, 2)$
72. Distance between  $(-4, 1)$  and  $(6, 1)$
73. Distance between  $(0, -3)$  and  $(0, 9)$
74. Distance between  $(8, -2)$  and  $(-1, -2)$
75. Distance between  $(5, 5)$  and  $(5, -4)$
76. Distance between  $(-7, 4)$  and  $(2, 4)$
77. Distance between  $(10, 0)$  and  $(10, -8)$
78. Distance between  $(-3, -6)$  and  $(3, -6)$
79. Distance between  $(1, 2)$  and  $(1, -3)$
80. Distance between  $(4, -5)$  and  $(-2, -5)$

