

Year-End Test 1

This test has 50 problems. This test should be combined with the score on Year-End Test 2 for a total of 100 points.

The following are the concepts reviewed on the test: Concepts are continued on the next page.

Year-End Test 1 Concepts

Q#	Lesson#	Concept	TEKS Standard
1	52	Division involving decimals	6.3E
2	138	Dividing decimals by decimals	6.3E
3	35	Subtraction of decimal numbers	5.3K (This is a TEKS concept from the previous year)
4	77	Exponents	6.7A
5	77	Exponents	6.7A
6	122	Multiplication: 3 digit x 3 digit	6.3C, 6.3D
7	52	Division involving decimals	6.3E
8	12	Multiplication: 3 digit x 2 digit	6.3C, 6.3D
9	8	Listing possibilities	6.1A - G*, 6.3C, 6.3E
10	59	Volume of a rectangular prism	6.8C
11	136	3-digit divisor into a 4-digit dividend	6.3C, 6.3D
12	14	Diagonals	8.7C, 8.7D
13	21	2-D figures: octagon	5.5 (This is a TEKS concept from the previous year)
14	77	Exponents	6.7A
15	61	Rounding to the nearest tenth	6.2A
16	116	Percent of a whole number	6.3C, 6.3D, 6.3E
17	44	Conversion of decimals to percents	6.4G
18	83	Mixed numbers as improper fractions	6.4G, 6.5C, 6.9A, 6.9B, 6.10A, 6.10B
19	17	Lowest common multiples	6.2A, 6.3C, 6.3D
20	25	Scalene triangles	6.8A, 4.6C
21	60	Three-quarter turns	6.8A, 4.7B
22	30	Perimeter of a rectangle	6.10A, 5.4H
23	★ 23	Order of symmetry	G.3D
24	15	3-D figures: rectangular pyramid	3.6A, 7.8A
25	15	3-D figures: faces	3.6A, 7.9A

*6.1A - G = Mathematical Processes (see introductory page i.5)

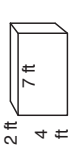
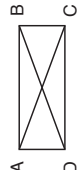
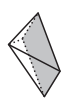

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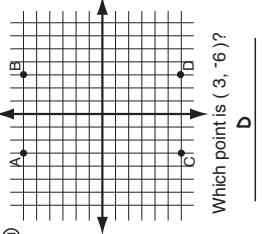
Year-End Test 1 Concepts, continued

Q#	Lesson#	Concept	TEKS Standard
26	10	Measurement conversion	6.4H
27	25	Equilateral triangles	6.8A
28	80	Supplementary angles	6.8A
29	★ 139	Volume of a cylinder	8.6A
30	67	Percent in word problems	6.1A - G*, 6.3C, 6.3D, 6.3E, 6.4F, 6.4G, 6.5B
31	6	Word problems involving division	6.1A - G*, 6.3E
32	68	Coordinate points	6.11
33	118	Division of fractions	6.3E
34	15	3-D figures: cylinder	3.6A (This is a TEKS concept from a previous year)
35	77	Exponents	6.7A
36	36	Subtraction of coordinate points	6.3D, 6.11
37	53	Comparison of decimal numbers	6.2C
38	30	Area of a rectangle	6.8B, 6.8C, 6.8D
39	35	Addition of decimal numbers	6.1A - G*, 6.2A
40	7	Deductive reasoning	6.1A - G*
41	109	Negative coordinate points	6.11
42	40	2 to 1 and 5 to 1 ratios	6.1A - G*, 6.3C, 6.3D, 6.4B, 6.4C, 6.4D, 6.5A
43	40	2 to 1 and 5 to 1 ratios	6.1A - G*, 6.3C, 6.3D, 6.4B, 6.4C, 6.4D, 6.5A
44	7	Deductive reasoning	6.1A - G*
45	33	Calculation of third angle in a triangle	6.8A
46	40	2 to 1 and 5 to 1 ratios	6.1A - G*, 6.4B, 6.4C, 6.4D, 6.5A
47	74	Comparison of decimal numbers	6.2C
48	14	2-D figures: rhombus	5.5 (This is a TEKS concept from the previous year)
49	7	Missing information in word problems	6.1A - G*
50	7	Deductive reasoning	6.1A - G*

*6.1A - G = Mathematical Processes (see introductory page i.5)

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Year-End Test 1		#	Date
<p>1 $57 \overline{)2.28}$</p> <p>2 $3 \overline{)2.79}$</p> <p>3 $\begin{array}{r} \\$56.02 \\ -31.47 \\ \hline \\$24.55 \end{array}$</p> <p>4 $9^0 \cdot 4^3 = 64$</p> <p>5 $5^1 \cdot 6 = 30$</p>	<p>6 $\begin{array}{r} 716 \\ \times 108 \\ \hline 77,328 \end{array}$</p> <p>7 $\begin{array}{r} 72 \\ \overline{) \\$3.60} \\ \underline{\\$0.05} \\ 27,832 \end{array}$</p> <p>8 $\begin{array}{r} 305 \overline{)7,015} \\ \underline{905} \\ 8015 \\ \underline{8015} \\ 0 \end{array}$</p> <p>9 $\begin{array}{r} 4 \\ \overline{) 23} \\ \underline{20} \\ 30 \\ \underline{27} \\ 30 \\ \underline{27} \\ 30 \\ \underline{27} \\ 3 \end{array}$</p>	<p>10  volume = <u>56 cubic ft</u></p> <p>11 </p>	<p>12 Wayne and Mack found 9 golf balls. Mack found twice as many as Wayne. How many golf balls did Mack find? <u>6 golf balls</u></p> <p>13 Draw a diagonal on this rectangle.</p>
<p>14 An octagon has <u>8</u> vertices.</p> <p>15 Identify the base. <u>4</u></p> <p>16 Round to the nearest tenth. <u>5.417</u> <u>5.4</u></p> <p>17 Write as a percent. $.6 = 60\%$</p> <p>18 $4 \frac{8}{9} = \frac{K}{9}$ $K = 44$</p> <p>19 What is the lowest common multiple of 12 and 10? <u>60</u></p> <p>20 What is the perimeter of a square that measures 9 in on one side? <u>36 in</u></p> <p>21 A cube has <u>6</u> flat faces.</p> <p>22 An equilateral triangle has <u>3</u> congruent sides.</p> <p>23 What is the measure of the angle that is supplementary to 105°? <u>75°</u></p> <p>24 Herb got 10 out of 25 questions on a test wrong. What percent of the questions did he get right? <u>60%</u></p> <p>25 Candice bought picture frames that cost \$4 each. She spent \$36. How many picture frames did she buy? <u>9 picture frames</u></p>	<p>19 On a coordinate grid, what is the distance from C (2, 6) to D (10, 6)? <u>8 units</u></p> <p>20 At the candy store, Mimi bought three bags of candy for her sisters. They weighed 6.2, 7.4 and 7.1 ounces. How many ounces of candy did she buy in all? <u>20.7 ounces</u></p> <p>21 On a test, Gayle got 4 out of every 5 questions right. If she got 40 right, how many questions were on the test? <u>50 questions</u></p> <p>22 If two angles of a triangle are 94° and 57°, what is the measure of the third angle? <u>29°</u></p> <p>23 Write two statements that are true about a rhombus. <u>1. All four sides are the same length.</u> <u>2. Its opposite angles are congruent (equal).</u></p>	<p>26  This is a <u>rectangular pyramid</u></p> <p>27 The order of symmetry for this figure is <u>4</u></p> <p>28  The order of symmetry for this figure is <u>4</u></p>	<p>29 There are 4 cities on a map. Tob gets less rain than Izmir. Doha gets less rain than Tob. Lome gets an amount of rain that is between Doha and Tob. Which city gets the least rainfall? <u>Doha</u></p>

<p>32 $\frac{1}{3} \div \frac{4}{5} = \frac{5}{12}$</p> <p>33 On a coordinate grid, what is the distance from C (2, 6) to D (10, 6)? <u>8 units</u></p> <p>34 At the candy store, Mimi bought three bags of candy for her sisters. They weighed 6.2, 7.4 and 7.1 ounces. How many ounces of candy did she buy in all? <u>20.7 ounces</u></p> <p>35 On a test, Gayle got 4 out of every 5 questions right. If she got 40 right, how many questions were on the test? <u>50 questions</u></p> <p>36 If two angles of a triangle are 94° and 57°, what is the measure of the third angle? <u>29°</u></p> <p>37 Write two statements that are true about a rhombus. <u>1. All four sides are the same length.</u> <u>2. Its opposite angles are congruent (equal).</u></p>	<p>32 A cylinder has <u>2</u> circular bases.</p> <p>33 Select the number from the given set to fill in the blank. (8.4, 8.09, 8.15, 8.42) <u>8.41 < 8.42</u></p> <p>34 Mack is 32. He is 5 years older than Rico. Cole is 7 years younger than Rico. How many years older than Cole is Mack? <u>12 years</u></p> <p>35 Hareem's cat lot has 22 red cars, 5 blue cars and 25 black cars. Which choice shows the ratio of blue to black cars? <u>$\frac{1}{5}$</u></p> <p>36 Maly gave holiday cards to her friends. Eight friends were girls and two were boys. The ratio of boys to the total number of friends in its simplest form is <u>1 to 5</u></p> <p>37 Naomi saw 9 ducks, 13 geese and some seagulls at the park. What information is needed to know the total number of birds Naomi saw? the number of ducks on the pond what time she arrived at the park the number of seagulls she saw</p>	<p>38 Levi has a rectangular rug that is 12 square feet. If the rug is 4 feet long, how wide is it? <u>3 ft</u></p> <p>39  Which point is (3, -6)? <u>D</u></p> <p>40 There are 4 people in line. Sally is behind Dora. Ella is ahead of Ramona. Ramona is between Ella and Dora. Who is second in line? <u>Ramona</u></p> <p>41 Which statements are true? $3.127 > 3.172$ $.895 < 1.895$ $4.101 \neq 4.101$ $1.598 < 1.895$</p> <p>42 There are 4 cities on a map. Tob gets less rain than Izmir. Doha gets less rain than Tob. Lome gets an amount of rain that is between Doha and Tob. Which city gets the least rainfall? <u>Doha</u></p>
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