

Year End Test I

Year-End Test I

Year-End Test 1 covers concepts taught up to this point. This table shows which test question covers which concept, and where the concept was first taught.

For problems #16 - #18 if you have not taught percentages, have your students find the equivalent fraction when the denominator is 100 instead.

Q#	Lesson	Concept	TEKS Standard
1	13	Add 4-digit numbers	4.4A
2	13	Add 4-digit numbers	4.4A
3	36	Subtract 4-digit numbers	4.4A
4	36	Subtract 4-digit numbers \$	4.4A
5	36	Multiply a 3-digit by a 1-digit	4.4D
6	84	Multiply a 2-digit by a 2-digit	4.4D
7	84	Multiply a 2-digit by a 2-digit	4.4D
8	116	Multiply a 3-digit by a 2-digit \$	4.4D
9	91	Calculate lowest common multiple	4.4C, 4.4D, 4.4E, 4.4F
10	50	6-digit number words	4.2A, 4.2B
11	50	6-digit number words	4.2A, 4.2B
12	102	Recognize the trillions place	4.2A, 4.2B
13	37	Measurement equivalents for ft, in and yd	4.8A, 4.8B, 4.8C
14	87	Measurement equivalent for gal & qt	4.8A, 4.8B, 4.8C
15	87	Measurement equivalents for oz, lb and tons	4.8A, 4.8B, 4.8C
16	★ 127	Convert a fraction to a percent	4.3A, 4.3C, 4.3D, 8.2D
17	★ 127	Convert a fraction to a percent	4.3A, 4.3C, 4.3D, 8.2D
18	★ 127	Convert a fraction to a percent	4.3A, 4.3C, 4.3D, 8.2D
19	11	Money number words	4.2B, 4.2E
20	109	Divide dollars by dollars	4.2E, 4.4E, 4.8C
21	113	Fill in missing numbers counting by a pattern	4.5B
22	48	Fill in missing 3-digit numbers counting by 8	4.5B
23	103	Fill in missing 3-digit numbers counting by 12	4.5B
24	55	Round to the nearest dollar	4.2D, 4.4G
25	50	6-digit numbers given by place value	4.2A, 4.2B
26	50	6-digit numbers given by place value	4.2A, 4.2B

*5.1A - G = Mathematical Processes (see introductory page i.5)

★ = This is an accelerated Excel Math concept that goes beyond TEKS for Grade 4.

Year-End Test 1 Concepts, continued

Q#	Lesson	Concept	TEKS Standard
27	72	Select the equation to solve a word problem	4.1A-G;* 4.4D, 4.4H
28	41	Story problem - reasoning	4.1A-G;* 4.5A
29	31	2-step story problem, multiply and divide	4.1A-G;* 4.4D, 4.4E, 4.4F, 4.4H
30	4	Story problem - deductive reasoning	4.1A-G;* 4.5A
31	85	Write decimal numbers given by place value	4.2A, 4.2B, 4.2E
32	85	Write decimal numbers given by place value	4.2A, 4.2B, 4.2E
33	86	Add and subtract decimal numbers	4.2A, 4.2B, 4.4A
34	77	Story problem - evaluate possibilities	4.1A-G;* 4.4A, 4.5A
35	121	Measurement conversions	4.1A-G;* 4.8A, 4.8B, 4.8C
36	66	1-step calendar story problem, multiply	4.1A-G;* 4.2D, 4.8C
37	92	Story problem - rate and time	4.1A-G;* 4.4D, 4.4E, 4.4F, 4.4H, 4.5A, 4.8C
38	90	Story problem - determine the question	4.1A-G;* 4.5A, 4.8C
39	31	3-step story problem, add, subtract, multiply	4.1A-G;* 4.4D, 4.4H, 4.5A
40	122	Story problem - calculate average	4.1A-G;* 4.4E, 4.4F, 4.5A
41	69	Story problem - estimate	4.1A-G;* 4.2D, 4.4G
42	31	3-step story problem, subtract and multiply	4.1A-G;* 4.4D, 4.4H, 4.5A
43	31	4-step story problem, add, subtract, multiply, divide	4.1A-G;* 4.4D, 4.4E, 4.4F, 4.4H, 4.5A
44	69	Story problem - estimate	4.1A-G;* 4.2D, 4.4G
45	13	2-step story problem, add or subtract money	4.1A-G;* 4.4A, 4.5A

Year-End Test 1 has 45 problems. The score on this test should be combined with the score on Year-end Test 2, which has 55 problems. The combined total is 100 points.

(If you omit the starred questions, the combined total will be 87 points).

The balance of the concepts will be tested on Year-End Test 2.

*5.1A - G = Mathematical Processes (see introductory page i.5)

Year-End Test 1	#	Date
<p>① 6873 948 $1,876$ $+ 409$ <u>$10,106$</u></p> <p>② $4,598$ 789 $2,796$ $+ 9,388$ <u>$17,571$</u></p> <p>③ 9417 $- 7,719$ <u>$1,698$</u></p> <p>④ 30.40 $- 18.32$ <u>12.08</u></p> <p>⑤ 786 $\times 4$ <u>$3,144$</u></p>		
<p>⑥ 97 $\times 5.3$ <u>291</u> 474 <u>4850</u> $5,141$</p> <p>⑦ 79 $\times 8.6$ <u>3828</u> 474 <u>12760</u> $6,794$</p> <p>⑧ $457,338,212,000,542$ The underlined portion is the <u>trillions</u>.</p> <p>⑨ What is the lowest common multiple of 4 and 10? 4: 4, 8, 12, 16, 20 10: 10, 20 <u>20</u></p> <p>⑩ two hundred five thousand, nine <u>205,009</u></p> <p>⑪ $20 \text{ gal} = 80 \text{ qt}$ $8 \text{ lb} = 128 \text{ oz}$</p> <p>⑫ $20 \text{ gal} = 80 \text{ qt}$ $8 \text{ lb} = 128 \text{ oz}$</p> <p>⑬ $7 = \frac{14}{50} = \frac{14}{100} = 14\%$ $\frac{3}{4} = \frac{75}{100} = 75\%$</p> <p>⑭ $\frac{1}{2} = \frac{50}{100} = 50\%$ $\frac{3}{4} = \frac{75}{100} = 75\%$</p> <p>⑮ fifteen dollars and six cents <u>\$15.06</u></p> <p>⑯ $(55, 57, 61, 67, 75, 85, 97)$ $-2 \quad +4 \quad +6 \quad +8 \quad +10 \quad +12$</p> <p>⑰ $(459, 471, 483, 495, 507)$ $+12$</p> <p>⑱ Round to the nearest whole dollar. 39.62 <u>\$40.00</u></p> <p>⑲ 3 ten thousands, 4 hundreds, 2 ones, 5 hundred thousands and 1 ten <u>302,547</u></p> <p>⑳ Ronnie would like to give each of his ten friends a \$5.00 gift certificate. Which equation shows how much money he will need? $10 + \\$5 =$ $10 - \\$5 =$ $(10 \times \\$5) =$ <u>\$50</u> $10 \div \\$5 =$</p> <p>㉑ Baseballs are sold 8 to a box. The league is planning on having 18 games. They need 3 balls for each game. How many boxes will they have to buy? 18 $\times 3$ <u>54</u> <u>7 boxes</u></p> <p>㉒ Dan weighs 43 kg. Jerry weighs 8 kg more than Bill. Bill weighs 5 kg less than Dan. How much do all three boys weigh? $D \ 43$ $B \ 38$ $J \ 46$ $+ 46$ <u>127</u></p> <p>㉓ Bev has fewer books than Nick. Nick has more books than George. Bev has more books than Rod. Who has the most books? Bev Nick George Rod</p>	<p>① one hundred and four hundredths <u>100.04</u></p> <p>② Willie and Pedro have 7 sand dollars. Pedro has 3 more than Willie. How many sand dollars does Willie have? $5 + 2 = 7$ <u>2 sand dollars</u></p> <p>③ Ivy drives at a speed of 19 miles per hour. How long will it take her to drive 95 miles? $95 = 19 \times ?$ $19 \overline{)95}$ $- 19$ <u>5</u></p> <p>④ What is the average height of 3 boys who are 43, 52 and 49 inches tall? 43 52 $+ 49$ <u>144</u> <u>48 in</u></p> <p>⑤ Evan had 23 stickers. His mom bought a dozen stickers and divided them equally among her 4 sons. After getting his share, Evan gave half of his 16 best stickers to Jason. How many stickers does Evan have now? $12 + 4 = 3$ $16 + 2 = 8$ $23 - 8$ <u>15</u> <u>18 stickers</u></p> <p>⑥ 2 tenths, 4 hundredths, 7 ones, 8 tens and 6 hundredths <u>487.26</u></p> <p>⑦ On a map, 1 cm is equivalent to 25 miles. Therefore, 7 cm will equal <u>175 miles</u>.</p> <p>⑧ Gabriel weighs 30 lb more than Dave. Tim weighs 40 lb more than Dave. The answer is 10 lb. What is the question? <u>217 errands</u></p> <p>⑨ Irene is reading a book with 467 pages. The first day she read 17 pages. The next day she read twice as many pages. How many pages does she have left to read? 17 $\times 2$ <u>34</u> 17 $+ 34$ <u>51</u> <u>416 pages</u></p> <p>⑩ Randy bought a seven-foot piece of rope and cut off four eight-inch pieces. How long is the piece he has left? 8 $\times 4$ <u>32</u> 12 $\times 7$ <u>84</u> <u>52 inches</u></p> <p>⑪ Oliver bought 4 items that cost \$4.78, \$.97, \$3.06 and \$8.12. How much was his change from a twenty-dollar bill? 4.78 $.97$ 3.06 $+ 8.12$ <u>16.93</u> <u>\$3.07</u></p>	

★ = This is an accelerated Excel Math concept that goes beyond TEKS for Grade 4.

Year-End Test 1	#	Date
<p>① 6873 948 $1,876$ $+ 409$ <u>$10,106$</u></p> <p>② $4,598$ 789 $2,796$ $+ 9,388$ <u>$17,571$</u></p> <p>③ 9417 $- 7,719$ <u>$1,698$</u></p> <p>④ 30.40 $- 18.32$ <u>12.08</u></p> <p>⑤ 786 $\times 4$ <u>$3,144$</u></p>		
<p>⑥ 97 $\times 5.3$ <u>291</u> 474 <u>4850</u> $5,141$</p> <p>⑦ 79 $\times 8.6$ <u>3828</u> 474 <u>12760</u> $6,794$</p> <p>⑧ $457,338,212,000,542$ The underlined portion is the <u>trillions</u>.</p> <p>⑨ What is the lowest common multiple of 4 and 10? 4: 4, 8, 12, 16, 20 10: 10, 20 <u>20</u></p> <p>⑩ two hundred five thousand, nine <u>205,009</u></p> <p>⑪ $20 \text{ gal} = 80 \text{ qt}$ $8 \text{ lb} = 128 \text{ oz}$</p> <p>⑫ $20 \text{ gal} = 80 \text{ qt}$ $8 \text{ lb} = 128 \text{ oz}$</p> <p>⑬ $7 = \frac{14}{50} = \frac{14}{100} = 14\%$ $\frac{3}{4} = \frac{75}{100} = 75\%$</p> <p>⑭ $\frac{1}{2} = \frac{50}{100} = 50\%$ $\frac{3}{4} = \frac{75}{100} = 75\%$</p> <p>⑮ fifteen dollars and six cents <u>\$15.06</u></p> <p>⑯ $(55, 57, 61, 67, 75, 85, 97)$ $-2 \quad +4 \quad +6 \quad +8 \quad +10 \quad +12$</p> <p>⑰ $(459, 471, 483, 495, 507)$ $+12$</p> <p>⑱ Round to the nearest whole dollar. 39.62 <u>\$40.00</u></p> <p>⑲ 3 ten thousands, 4 hundreds, 2 ones, 5 hundred thousands and 1 ten <u>302,547</u></p> <p>⑳ Ronnie would like to give each of his ten friends a \$5.00 gift certificate. Which equation shows how much money he will need? $10 + \\$5 =$ $10 - \\$5 =$ $(10 \times \\$5) =$ <u>\$50</u> $10 \div \\$5 =$</p> <p>㉑ Baseballs are sold 8 to a box. The league is planning on having 18 games. They need 3 balls for each game. How many boxes will they have to buy? 18 $\times 3$ <u>54</u> <u>7 boxes</u></p> <p>㉒ Dan weighs 43 kg. Jerry weighs 8 kg more than Bill. Bill weighs 5 kg less than Dan. How much do all three boys weigh? $D \ 43$ $B \ 38$ $J \ 46$ $+ 46$ <u>127</u></p> <p>㉓ Bev has fewer books than Nick. Nick has more books than George. Bev has more books than Rod. Who has the most books? Bev Nick George Rod</p>	<p>① one hundred and four hundredths <u>100.04</u></p> <p>② Willie and Pedro have 7 sand dollars. Pedro has 3 more than Willie. How many sand dollars does Willie have? $5 + 2 = 7$ <u>2 sand dollars</u></p> <p>③ Ivy drives at a speed of 19 miles per hour. How long will it take her to drive 95 miles? $95 = 19 \times ?$ $19 \overline{)95}$ $- 19$ <u>5</u></p> <p>④ What is the average height of 3 boys who are 43, 52 and 49 inches tall? 43 52 $+ 49$ <u>144</u> <u>48 in</u></p> <p>⑤ Evan had 23 stickers. His mom bought a dozen stickers and divided them equally among her 4 sons. After getting his share, Evan gave half of his 16 best stickers to Jason. How many stickers does Evan have now? $12 + 4 = 3$ $16 + 2 = 8$ $23 - 8$ <u>15</u> <u>18 stickers</u></p> <p>⑥ 2 tenths, 4 hundredths, 7 ones, 8 tens and 6 hundredths <u>487.26</u></p> <p>⑦ On a map, 1 cm is equivalent to 25 miles. Therefore, 7 cm will equal <u>175 miles</u>.</p> <p>⑧ Gabriel weighs 30 lb more than Dave. Tim weighs 40 lb more than Dave. The answer is 10 lb. What is the question? <u>217 errands</u></p> <p>⑨ Irene is reading a book with 467 pages. The first day she read 17 pages. The next day she read twice as many pages. How many pages does she have left to read? 17 $\times 2$ <u>34</u> 17 $+ 34$ <u>51</u> <u>416 pages</u></p> <p>⑩ Randy bought a seven-foot piece of rope and cut off four eight-inch pieces. How long is the piece he has left? 8 $\times 4$ <u>32</u> 12 $\times 7$ <u>84</u> <u>52 inches</u></p> <p>⑪ Oliver bought 4 items that cost \$4.78, \$.97, \$3.06 and \$8.12. How much was his change from a twenty-dollar bill? 4.78 $.97$ 3.06 $+ 8.12$ <u>16.93</u> <u>\$3.07</u></p>	