

Test 1 - Assessment

Test 1

This test is an assessment test covering the concepts on Lessons 1 – 30. If the class as a whole scores an average of 90% or better, feel free to jump ahead to Lesson 31. If they score below 90%, copy the Assessment Test Score Distribution and Error Analysis charts provided on pages i.20 - i.22 in the front of this Teacher Edition and online: www.excelmath.com/tools.html

Record each student's identification number on a line, indicating the number of problems he or she missed.

This distribution of test results will help you analyze their work and show parents how their child did in comparison to the rest of the class without revealing names of students who scored higher or lower than their child.

Use tally marks on the right side of the chart to record how many students missed a particular question. There is no need to review the entire test, but you could go over problems missed by a number of students.

The table on the next page indicates which questions reflect which objectives, and where that content is taught in this curriculum. Use this guide if you want to have students review one or two specific lessons. If the class is weak in several areas, we recommend you continue through Lessons 6 – 30.

Feel free to skip the starred problem if your students have not learned rotational symmetry.

Test 1 Concepts

Q#	Lesson#	Concept	TEKS Standard
1	1	Addition: 4 digits with regrouping	6.3C, 6.3D
2	1	Subtraction: 4 digits with regrouping	6.3C, 6.3D
3	12	Multiplication: 3 digits x 2 digits	6.3C, 6.3D, 6.3E
4	18	Equivalent fractions	6.3B, 6.4G
5	14	2-D figures: rhombus	6.8A, 6.8B
6	10	Measurement equivalents	6.4B, 6.4D, 6.4H
7	25	Sum of the angles in a rectangle	6.8A, 6.8C
8	1	Number words less than one million	6.2A, 6.2B
9	48	Simplification of improper fractions	6.4G
10	21	2-D figures: pentagon	6.8A, 6.8B
11	1	Number words less than one million	6.2A, 6.2B
12	10	Measurement equivalents	6.4B, 6.4D, 6.4H
13	2	Sequences: counting from 1 to 12	6.2D
14	25	Equilateral triangles	6.8A
15	6	Multi-step word problems	6.1A - G,* 6.3D, 6.3E
16	19	1/2 to 1/9 of a group of items	6.1A - G*, 6.3D, 6.3E, 6.5C
17	9	Multi-step word problems with division	6.1A - G*, 6.3D, 6.3E
18	7	Deductive reasoning	6.1A - G*, 6.3C, 6.3D, 6.3E
19	1	Multi-step word problems	6.1A - G*, 6.3D, 6.3E
20	24	Expanded notation	6.2A, 6.2B
21	28	Addition of mixed numbers and fractions	5.3H (This is a TEKS concept from a previous year.)
22	6	1-digit divisor into a 3-digit dividend	6.3A, 6.3C, 6.3D, 6.3E
23	16	1-digit divisor into a 3-digit dividend	6.3A, 6.3C, 6.3D, 6.3E
24	26	2-digit divisor into a 2-digit dividend	6.3A, 6.3C, 6.3D, 6.3E
25	25	Angle estimation	6.8A
26	3	Equations with parentheses	6.7B, 6.7C, 6.9A, 6.9B, 6.10A, 6.10B
27	5	Fractional parts of groups of items	6.2A, 6.5C
28	20	Rounding to the nearest hundred	6.2A
29	23	Lines of symmetry	4.6B (This is a TEKS concept from a previous year.)
30	20	Rounding to one non-zero digit	6.2A
31	14	2-D figures: parallelogram	6.8B
32	11	U.S. customary and metric units	6.4H
33	17	Lowest common multiples	6.3E
34	3	True and not true number statements	6.7A, 6.7B, 6.7C
35	25	Obtuse angles	6.8A
36	24	Numbers to trillions	6.2A
37	22	Fractions: greatest and least value	6.2D
38	★ 23	Rotational symmetry	G3.D
39	30	Area of a rectangle	6.8B, 6.8C, 6.8D
40	8	Listing possibilities	6.1A - G*

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


★ = This is an accelerated Excel Math concept that goes beyond TEKS for Grade 6.

21 $3\frac{2}{3} + 2\frac{1}{4} = \frac{51}{12}$


22 $7 \overline{) 91}$

23 $4 \overline{) 278}$


24 $32 \overline{) 99}$

25 A  Select the best estimate for $\angle B$.
 (26) $(6 - 2) \times 6 = N \times (12 \div 4)$ How many fifths are there in four wholes?
 N = 8


27 Round to the nearest hundred.
 21,869 21,900

28 Does this figure show a line of symmetry?

 yes no

29 Round this number so there is only one non-zero digit.
 15,456 20,000


30 Circle the parallelogram.

 (miles) yards feet
 8 kilometers \approx 5 _____
 What is the lowest common multiple of 8 and 12?
24

31 Which statements are true?
 $9 + 7 \neq 4 \times 4$
 $8 \div 2 < 9 - 3$
 $6 \times 4 > 3 \times 7$

32 This is _____ angle.

 an acute an obtuse a right
 The underlined portion represents _____.
 479,105,357,988
 millions billions trillions

33 Circle the denominator of the fraction in the set with the least value.
 $(\frac{1}{3}, \frac{6}{4}, \frac{2}{2}, \frac{1}{5}, \frac{1}{8})$
 This figure _____ have rotational symmetry.

 does does not

34 Brock and Buzz have been to 10 concerts. Buzz attended 2 fewer than Brock. How many concerts did Brock see?

 6 km 15 km
 area = 90 sq km 6 concerts

1 $\begin{array}{r} 89 \\ 1095 \\ 179 \\ +1,386 \\ \hline 2,749 \end{array}$


2 $\begin{array}{r} 6,502 \\ -4,179 \\ \hline 2,323 \end{array}$

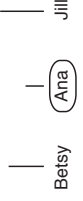
3 $\begin{array}{r} 723 \\ \times 58 \\ \hline 41,934 \end{array}$

4 $\frac{1}{2} \times 3 = \frac{3}{6}$

5 A rhombus has 4 sides.
 6 ft 1 in = 73 inches
 The sum of the angles of a rectangle is 360°.
 7 ten thousands, 4 ones, 1 ten and 6 hundred thousands
670,014
 A pentagon has 5 vertices.

8 Write the words for this number.
 100,005
one hundred thousand, five
 145 oz = 9 lb 1 oz
 (443, 435, 427, 419, 411)

9 Four groups of 20 people want to take boat tours. If there are ten boats, how many people will be on each boat?

 This is _____ triangle.
 an isosceles an equilateral a scalene
 8 people 21 pets

10 Betsy, Ana and Jill each sang at a concert. Betsy sang longer than Ana. Jill sang longer than Betsy. Who sang the least?


11 Mrs. Harper has three sons and two daughters. She bought \$9 CDs for each of her children. How much did she spend?
 Write this number in expanded notation.
 486,951,037
 $(4 \times 100,000,000) + (8 \times 10,000,000) + (6 \times 1,000,000) + (9 \times 100,000) + (5 \times 10,000) + (1 \times 1,000) + (3 \times 10) + (7 \times 1)$
\$45

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