

LtoJ Slides from Educational Service Unit #7

Contact Barb Friesth,
Staff Development Director
bfriest@esu7.org

Competing Against Last Year

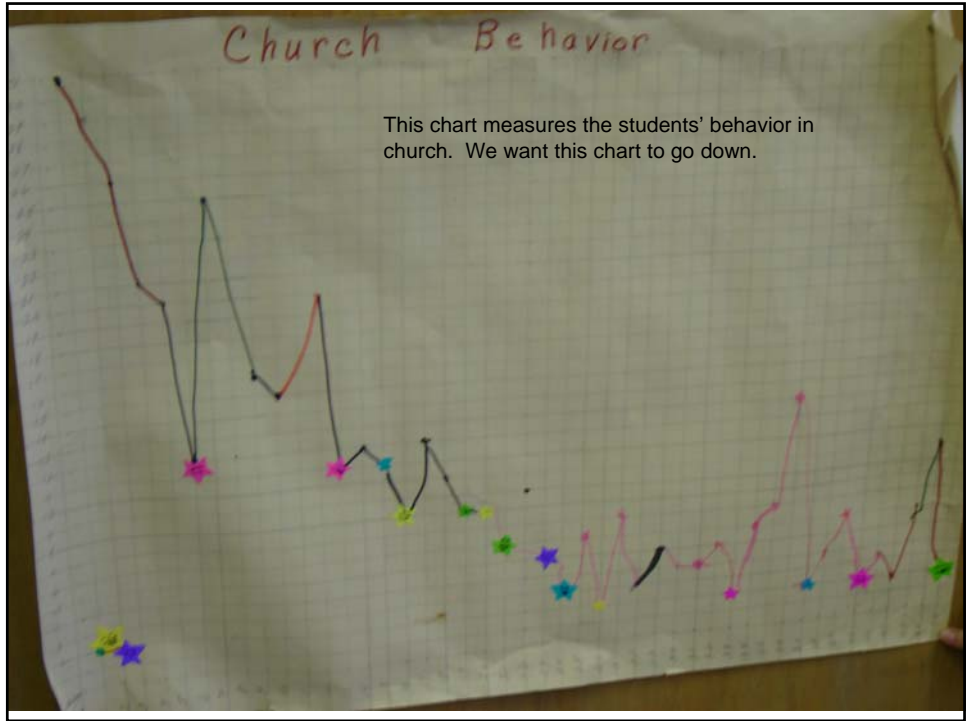


No Permission to Forget



Showing team AND uniqueness





Multiple Grades

FORM A Grade 6			FORM A Grade 7				FORM A 8th Gr			
1	2	3	1	2	3	4	5	1	2	3
3.2 + 6.81 = 7.488 + 7.36	12,369 - 3,070 =	6.38 x .347 =	288 + 183 + 1	1,333 - 867	4.3 x 5.87	Write $a^2 - b^2 =$ $(a+b)(a-b)$	Write in standard form: $3.88 + 10 = 4$	$4 \times 10 = 40$	$1 \times 1 = 1$	Write an equivalent fraction and decimal for $\frac{1}{2}$
8	9	10	6	7	8	9	10	6	7	8
82 105 + 27 78	12 58 - 3 710	7.8 x 3.7	Round to the thousandth place 88,876,888	In 4,320 divisible by 27, 87, 81?	List the factors of 28.	List the first 7 multiples of 4.	Find the GCF of 42 and 63.	Write the number in scientific notation: 21.7 million	Write the expression. Then draw a picture. and solve.	Write in scientific notation: 4,000,000,000
13	14	15	11	12	13	14	15	11	12	13
Circle the correct response for 5: (-4)-11	Simplify the mixed fraction $6 \frac{30}{11}$ $6 \frac{30}{11} = 6 \frac{30 \div 11}{11} = 6 \frac{30}{11}$	Simplify the fraction $\frac{232}{232}$	Find the LCM of 83 and 78.	Write an equivalent fraction for 7/8.	Reduce: 42/77	Simplify: 23/4	Identify each as prime or composite: 5, 11, 13, 16, 19	Write the number in scientific notation: 21.7 million	Write the expression. Then draw a picture. and solve.	Write in scientific notation: 4,000,000,000
18	19	20	16	17	18	19	20	16	17	18
Write $83\% =$ $\frac{\quad}{100}$ $\frac{\quad}{100} = 83\%$	Write $83\% =$ $\frac{\quad}{100}$ $\frac{\quad}{100} = 83\%$	Write $83\% =$ $\frac{\quad}{100}$ $\frac{\quad}{100} = 83\%$	Write all as a percent and decimal.	Solve: $3x + 7 = 19$	Find the area and perimeter.	Find the area and perimeter.	Are these parallel? \leftarrow \rightarrow	Write the number in scientific notation: 21.7 million	Write the expression. Then draw a picture. and solve.	Write in scientific notation: 4,000,000,000
23	24	25	21	22	23	24	25	21	22	23
Find the area of a square?	Find the range: 25 27 38 18 7	You purchase a CD for \$15.00. The tax rate was 8%. How much did you pay for the CD?	Find the mean: 77, 73, 74, 76, 68, 65	Find the mode, median and range: 28, 14, 88, 41, 90	$3 \text{ yd} + 6 \text{ ft} 12$	$4 \text{ yd} + 5 \text{ ft}$	$1 \text{ yd} + 2 \text{ ft} 3 \text{ in}$	How many faces and edges does a cube have?	Write the number in scientific notation: 21.7 million	Write the expression. Then draw a picture. and solve.
28	29	30	26	27	28	29	30	26	27	28
Find the mean: 8.5 72 62 4	Find the mean: 8.5 72 62 4	Find the median: 14.4 82.1 7.2 8.8 5.2	Solve: $3x + 7 = 19$	Draw an obtuse angle.	What is square an angle?	Show this angle with all kinds of symbols.	Find the volume: 25 mm 25 mm 25 mm	Find the perimeter and area: $1 \frac{1}{2} \times 2 \frac{1}{2}$	Write the number in scientific notation: 21.7 million	Write the expression. Then draw a picture. and solve.
34	35		31	32	33	34	35	31	32	33
Write the angle measure of $\angle ABC$	Write the angle measure of $\angle ABC$	Name two acute angles.	Solve: $(2x-4)(x-3)$	Define the difference: $87 - 22$	Draw a parallelogram with a perimeter of 20 units (20 units is the sum of all sides). $14 + 11 = 25 \neq 20$ $15 + 11 = 26 \neq 20$ $13 + 11 = 24 \neq 20$	Draw an angle that is about 45° .	Find the volume: 25 mm 25 mm 25 mm	Write the number in scientific notation: 21.7 million	Write the expression. Then draw a picture. and solve.	Write in scientific notation: 4,000,000,000

My Personal Item Analysis

8th Grade Math Skills

Item #	Skill	Example
1	Identify and compare whole numbers, integers, and rational numbers.	$-3 < 4$
2	Write, solve, and compare decimals and integers.	Write twenty-five thousand and seventy-five hundredths in decimal form and compare it to 25.
3	Find equivalent ratios for multi-step ratios.	$3:2.5 = 1.3:1.25$
4	Sequence positive and negative decimals.	3, 2.5, -1.3, 1.25, 0. Correct order from smallest to largest is: -1.3, 0, 1.25, 2.5, 3
5	Apply percents to sales tax, simple interest and discounts.	Cells borrowed \$200 for 2 years at 15% interest. How much interest will she pay? What will her payment be?
6	Express numbers using scientific notation.	Write this number in scientific notation - 31 million
7	Write algebraic expressions.	Write this expression. Twice a number, subtracted from 10
8	Interpret and use positive and negative exponential capacity.	Write 92 hundred thousandths in standard notation.
9	Use powers appropriately in expressing exponential and scientific notation.	Write 42 million in scientific notation.
10	Simplify rational expressions and equations (algebraic fractions) with like and unlike denominators.	
11	Apply all four operations to problems involving decimals and fractions.	$6 \frac{1}{4} \times 2 \frac{1}{5} = 13 \frac{3}{4}$
12	Write numbers in expanded form using exponential notation.	Simplify.
13	Add, subtract, multiply and divide positive and negative integers.	$24 - -2$
14	Apply percents in finding increase or decrease.	Find percent of increase or decrease. Old: 4000 New: 3000
15	Solve problems using all four operations for integers.	$-9 + -22 + 9 = -22$
16	Solve problems applying the order of operations.	$-2(9 - 8) + 15$
17	Use rounding and compatible numbers to estimate and determine accuracy of answers in calculation.	Estimate and then solve. $454 \div 88$
18	Properly measure quantities in both standard and metric units.	What is the customary unit of measure you would use to find the weight of a water?
19	Convert units within measurement systems.	Convert the measurement. 38 mm to _____ inch

Scatter Diagram

