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| PA1 | PA2 |  |  | Examples |
| 1. | 1. | Algebra and Whole Numbers | 1. I can add and subtract whole numbers 2. I can estimate sums and differences 3. I can multiply and divide whole numbers. 4. I can estimate products and quotients. 5. I can recognize true, false, and open statements   6. I can recognize algebraic and numerical expressions  7. I can evaluate algebraic expressions | 1. 34 + 18 = 52 and 85 – 29 = 56 2. Estimate 1,984 – 632. 3. 24 x 4 + 96 and 87 / 3 = 29 4. Estimate 712 / 8 5. 15 + 6 = 21 True 6. Algebraic 6 + n 7. m + 15 when m = 7 |
| 2. | 2. |
| 3. | 3. |
| 4. | 4. |
| 5. | 5. |
| 6. | 6. |
| 7. | 7. |
| 1. | 1. | Using Decimals | 1. I can identify digits in the   tenths, hundredths, and thousandths place.   1. I can order decimals from leas   to greatest.   1. I can round decimals to a   place value.  4 I can add and subtract decimals.  5. I can multiply and divide decimals  6. I can change decimals to fractions and fractions to decimals.  7. I can use a bar (-) to identify a repeating decimal.  8. I can rename percents as decimals.  9. I can evaluate an expression by  substituting a decimal for a variable. | 1. . What is the place value of the 9? 18.459 2. Order the following decimals from least to greatest.5.357, 5.375, 7.535 3. Round to the hundredth place 34.586 4. 4. 2.47+ 1.59 or 4.004 – 2.539 5. 3.47x 1.48 or 14.98 / 3.2 6. 0.5 = ½ and ¾ = 0.75 7. 3/11 = 0.2727272727 = 0.27 8. 75% = 75/100 =.75 9. Evaluate 8.25 + m when m= 6.008 |
| 2. | 2. |
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| 7. | 7. |
| 8. | 8. |
| 9. | 9. |
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| 1. | 1. | Number Theory | 1. I can apply the divisibility rules to determine if a number can be divided by a second number with no remainder. 2. I can list prime and composite numbers. 3. I can find the greatest common divisor of two or more numbers.   a. I can use the distributive property to multiply an expression.  b. I can use the distributive property to factor and expression.   1. I can find the LCM of two fractions with unlike denominators. 2. I can apply scientific notation to large numbers. | 1. Is 4,320 divisible by 5? 2. List the prime numbers from 2 to 50 3. Express 20/48 in simplest terms. 4. a 2( 3+5 ) = (2x3) + (2x5)   b Factor 4x + 6  2( )  2(2x + 3)   1. Find 1/3 + 3/5 2. Write 63,000 in scientific notation. |
| 2. | 2. |
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| 5. | 5. |
| 6. | 6. |
| 1. | 1. | Rational Numbers and Fractions | 1. I can identify proper fractions   From a number line.   1. I can change 2/5 into two equivalent fractions. 2. I can find the greatest common divisor of two numbers. 3. I can determine which fraction is the largest; 2/3 or 2/5 4. I can find the LCM of two unlike denominators and add or subtract them. 5. I can multiply and divide fractions and put them in their simplest form. | 1. Write five different proper fractions that have a denominator of 8. 2. Write three equivalent fractions for 3/10 3. Express 9/12 in simplest form. 4. Which is smaller? 2 1/5 or 9/4? 5. Subtract 2 ¾ - 1 ½ 6. Divide 4 2/3 by 2 1/10 |
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| 4. | 4. |
| 5. | 5. |
| 6. | 6. |
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| 1. | 1. | Basic operations and work with rational expressions | 1. I can use the order to operations to solve problems correctly 2. I can evaluate algebraic equations 3. I can solve algebraic equations through substitution 4. I can solve equations by adding and subtracting 5. I can simplify complex fractions 6. I can add and subtract to simplify rational expressions 7. I can multiply rational expressions | 1. (10÷2)÷5+1 2. 30A-32÷2a when a=4 3. 17-3x=11 4. S+18=25 or x-14=22 |
| 2. | 2. |
| 3. | 3. |
| 4. | 4. |
| 5. | 5. |
| 6. | 6. |
| 7. | 7. |
| 1. | 1. | Operations using ratios, proportions, and percents | 1. I can express ratios in different forms 2. I can solve problems using proportions 3. I can convert fractions and decimals to percent 4. I can solve problems involving percentages | 1. Express the ratio 4 to 3 in two different ways 2. Express .75 and ¾ as a percent 3. Find 18% of 75 |
| 2. | 2. |
| 3. | 3. |
| 4. | 4. |
| 1. | 1. | Integers | 1. I can identify the absolute value of integers 2. I can compare the values of negative and positive whole numbers 3. I can add integers 4. I can subtract integers 5. I can multiply integers 6. I can divide integers | 1. Find the absolute value of  2. Compare each pair. Use      3. -6+4=  4. 3-(-5)=  5. (-7)(-6)=  6. |
| 2. | 2. |
| 3. | 3. |
| 4. | 4. |
| 5. | 5. |
| 6. | 6. |
| 1. | 1. | Exponents, square roots, and the Pythagorean Theorem | 1. I can find the value of numbers to a certain power 2. I can multiply terms with exponents 3. I can divide terms with exponents 4. I can find the area using numbers with exponents 5. I can find the volume using numbers with the exponents 6. I can find the square roots of numbers 7. I can use the Pythagorean theorem to solve problems | 1.  2.  3.  4. Find the area of a square with sides of 7 centimeters long  5. Calculate the volume of a cube with sides if 15 centimeters  6.  7. |
| 2. | 2. |
| 3. | 3. |
| 4. | 4. |
| 5. | 5. |
| 6. | 6. |
| 7. | 7. |