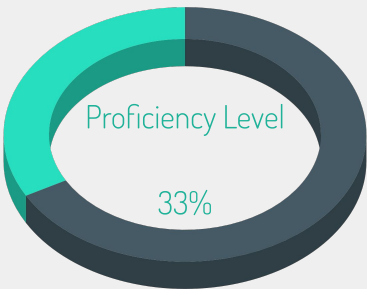


JOHN DOE DIAGNOSTIC REPORT

COURSE LEVEL: BEGINNER

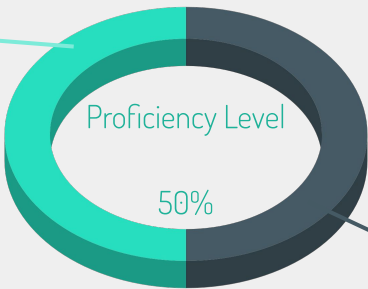
DIAGNOSTIC TEST



NUMBERS AND OPERATIONS

KNOW

- Distinguish number subsets including rational numbers, integers, whole numbers, and natural numbers
- Subtract a larger number from a smaller number,
- Multiply and divide by decimals and fractions
- Convert between mixed numbers and improper fractions,
- Understand the concept of reciprocals,



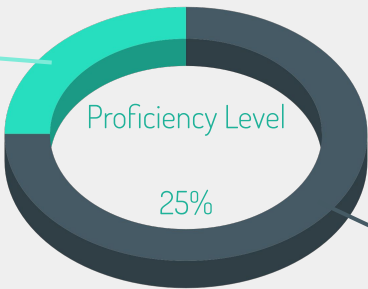
DON'T KNOW

- Simplify fractions
- Understand the concept of absolute value,
- Order rational numbers from least to greatest,
- Understand how to use a number line
- Add decimals

PROPORTIONALITY

KNOW

- Determine proportionality given a table



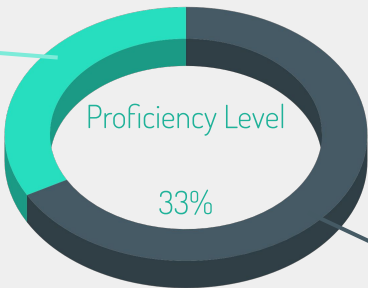
DON'T KNOW

- Identify a constant of proportionality
- Create equations for proportional relationships
- Convert between decimals, fractions, and percentages

EXPRESSIONS, EQUATIONS, RELATIONSHIPS

KNOW

- Use PEMDAS to solve expressions in the correct order
- Understand the difference between the commutative, associative, and distributive properties
- Identify the x and y values of coordinate pairs



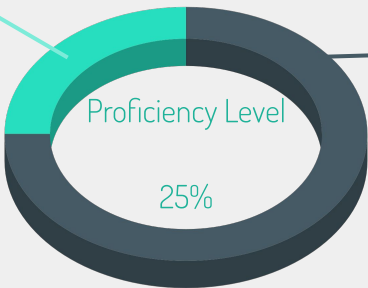
DON'T KNOW

- Understand the concept of equations including intercepts and slope,
- Use the formula $A = bh/2$ to find the base of a triangle,
- Construct an inequality to represent a situation
- Understand prime factorization, use exponents
- Use the formula $A = bh$ to find the area of a parallelogram,
- Use the formula $A = h(b1 + b2)/2$ to find the area of a trapezoid,

MEASUREMENT AND DATA

KNOW

- Interpret a stem and leaf plot,
- Understand the concept of mode



DON'T KNOW

- Identify the parts of a box plot including median, IQR, and the range
- Interpret a dot plot,
- understand the concept of mean and median
- Use tables to find the relative frequency,
- Use the formula $\% = p/w$ to construct percentages,
- Organize percentages in a percent bar graph