



CW Middle School

Mathematics 6 A

1. Data Displays and Number Systems (50.00%)

Learning Targets

1.1 I can find landmarks (measures of center) for various data representations and create a data set given specific landmarks.

Learning Target	Descriptor	Definition
4	Proficient	I can find landmarks (measures of center) for various data representations and create a data set given specific landmarks.
3	Developing	I can find or calculate all of the measures of center (mean, median, range, and mode) for a data set or graphical representation.
2	Basic	I can find/calculate some of the measures of center and define for a data set or graphical representation.
1	Minimal	I can define basic landmarks and measures of center (minimum, maximum, range, mode, median, and mean)
0	No Evidence	No evidence shown.

1.2 I can interpret and create dot plots with everything labeled. I can create a dot plot when given specific landmarks (measures of center). I can accurately find all measures of center.

Learning Target	Descriptor	Definition
4	Proficient	I can interpret and create dot plots with everything labeled. I can create a dot plot when given specific landmarks (measures of center). I can accurately find all measures of center.
3	Developing	I can accurately construct a dot plot when given a set of data. I can use the dot plot to find all the landmarks (measures of center).
2	Basic	I can construct a dot plot with a mistake or two. I can use the dot plot to find some of the landmarks (measures of center). I can define the landmarks.
1	Minimal	I can define the landmarks.
0	No Evidence	No evidence shown.

1.3 I can interpret and create Histograms without any assistance. I can also explain the advantages and disadvantages of histograms.

Learning Target	Descriptor	Definition
4	Proficient	I can interpret and create Histograms without any assistance. I can also explain the advantages and disadvantages of histograms.
3	Developing	I can create a histogram when given the skeleton. (x and y axis labels and values, title)
2	Basic	I can start to create a histogram and answer basic questions about them.
1	Minimal	I can answer a few basic questions about histograms.



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Learning Target	Descriptor	Definition
0	No Evidence	No evidence shown.

1.4 I can accurately create multiple Box Plots without any help and use the Box Plots to compare and justify my answers.

Learning Target	Descriptor	Definition
4	Proficient	I can accurately create multiple Box Plots without any help and use the Box Plots to compare and justify my answers.
3	Developing	I can create a Box Plot with help or when there is either an even or odd number of data values, but not both.
2	Basic	I can identify, label, and define all the different parts of a Box Plot. (Minimum or Lower Extreme, Maximum or Upper Extreme, Lower Quartile or 1st Quartile, Upper Quartile or Third Quartile, and Median)
1	Minimal	I can identify, label, and define some parts of a Box Plot. (Minimum or Lower Extreme, Maximum or Upper Extreme, Lower Quartile or 1st Quartile, Upper Quartile or Third Quartile, Median, and IQR)
0	No Evidence	No evidence shown.

1.5 I can define or label all the terms associated with a coordinate grid. I can find a point, give an ordered pair, and plot points in any quadrant. I can explain to someone how to plot coordinates.

Learning Target	Descriptor	Definition
4	Proficient	I can define or label all the terms associated with a coordinate grid. I can find a point, give an ordered pair, and plot points in any quadrant. I can explain to someone how to plot coordinates.
3	Developing	I can define or label all the terms associated with a coordinate grid. I can find a point, give an ordered pair, and plot points in any quadrant.
2	Basic	I can define or label all the terms associated with a coordinate grid. I can find most points, give most ordered pairs, and plot points in some of the quadrants.
1	Minimal	. I can define or label some of the terms associated with a coordinate grid. I struggle to find a point, write coordinates, or plot points.
0	No Evidence	No evidence shown.

1.6 I can compare two different data sets using the MAD (Mean Absolute Deviation). I understand that MAD is a measure of variability.

Learning Target	Descriptor	Definition
4	Proficient	I can compare two different data sets using the MAD (Mean Absolute Deviation). I understand that MAD is a measure of variability.
3	Developing	I can find the MAD of a data set to the nearest tenth using a calculator.



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Learning Target	Descriptor	Definition
2	Basic	I can do the first two or three steps for finding the MAD, but can't consistently get the correct MAD.
1	Minimal	I can find the mean, but can't do anything further.
0	No Evidence	No evidence shown.

1.7 I can interpret and create scatter plots including all labels. I can also give several examples of positive, negative, and no correlations.

Learning Target	Descriptor	Definition
4	Proficient	I can interpret and create scatter plots including all labels. I can also give several examples of positive, negative, and no correlations.
3	Developing	I can interpret and create scatter plots, but may forget some labels. I can give a visual example of the correlations, but have trouble coming up with specific examples.
2	Basic	I can partially create a scatter plot, but forget all labels and may have a few points in the wrong spots. I can recognize the different correlations when given visual examples.
1	Minimal	I can use a scatter plot to answer basic questions.
0	No Evidence	No evidence shown.

1.8 I can choose the correct operation, apply it, and/or use number sense to solve a variety of problems.

Learning Target	Descriptor	Definition
4	Proficient	I can choose the correct operation, apply it, and/or use number sense to solve a variety of problems.
3	Developing	I can choose the correct operation, apply it, and/or use number sense to solve most problems.
2	Basic	I can choose the correct operation, apply it, and/or use number sense to solve some problems.
1	Minimal	I can choose the correct operation, apply it, and/or use number sense to solve a few problems.
0	No Evidence	No evidence shown.

2. Fraction Operations and Ratios (50.00%)

Learning Targets

2.1 I can find the GCF of 3 or more numbers using the grid method. I can also apply GCF to simplifying fractions.

Learning Target	Descriptor	Definition
4	Proficient	I can find the GCF of 3 or more numbers using the grid method. I can also apply GCF to simplifying fractions.
3	Developing	I can find the GCF of two numbers, but don't know how it relates to simplifying fractions.



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Learning Target	Descriptor	Definition
2	Basic	I can find the the GCF of some numbers.
1	Minimal	I can find a common factor, but not always the GCF.
0	No Evidence	No evidence shown.

2.2 I can apply LCM to find equivalent fractions with common denominators.

Learning Target	Descriptor	Definition
4	Proficient	I can apply LCM to find equivalent fractions with common denominators.
3	Developing	I can find the LCM of two or more large numbers.
2	Basic	I can find the LCM of two numbers.
1	Minimal	I can find the LCM of some small numbers.
0	No Evidence	No evidence shown.

2.3 I can accurately add and subtract fractions and mixed numbers in a variety of real-world problems and I simplify all fractional answers.

Learning Target	Descriptor	Definition
4	Proficient	I can accurately add and subtract fractions and mixed numbers in a variety of real-world problems and I simplify all fractional answers.
3	Developing	I can accurately add and subtract fractions and mixed numbers, but don't simplify my answers.
2	Basic	I can add and subtract simple fractions with unlike denominators.
1	Minimal	I can add and subtract simple fractions that have a common denominator.
0	No Evidence	No evidence shown.

2.4 I can accurately multiply fractions and mixed numbers in a variety of real-life problems, create a visual representation of simple problems, and I simplify all answers.

Learning Target	Descriptor	Definition
4	Proficient	I can accurately multiply fractions and mixed numbers in a variety of real-life problems, create a visual representation of simple problems, and I simplify all answers.
3	Developing	I can accurately multiply both fractions and mixed numbers, but may not be able to create a visual or simplify my answers.
2	Basic	I can multiply some simple fractions and mixed numbers.



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Learning Target	Descriptor	Definition
1	Minimal	I can multiply simple fractions with some support.
0	No Evidence	No evidence shown.

2.5 I can accurately divide both fractions and mixed numbers and I simplify all answers .

Learning Target	Descriptor	Definition
4	Proficient	I can accurately divide both fractions and mixed numbers and I simplify all answers .
3	Developing	I can divide both fractions and mixed numbers.
2	Basic	I can divide simple fractions.
1	Minimal	I can find the reciprocal of a fraction.
0	No Evidence	No evidence shown.

2.6 I can solve ratios and unit rate problems. I can create real-world problems that demonstrate my understanding of ratios..

Learning Target	Descriptor	Definition
4	Proficient	I can solve ratios and unit rate problems. I can create real-world problems that demonstrate my understanding of ratios..
3	Developing	I can use various strategies (tape diagrams, rate tables, pictures, etc.) to help me solve ratio problems.
2	Basic	I can determine if ratios are equivalent.
1	Minimal	I can define a ratio and write ratios in different forms.
0	No Evidence	No evidence shown.

2.7 I can choose the correct operation, apply it, and/or use number sense to solve a variety of problems.

Learning Target	Descriptor	Definition
4	Proficient	I can choose the correct operation, apply it, and/or use number sense to solve a variety of problems.
3	Developing	I can choose the correct operation, apply it, and/or use number sense to solve most problems.
2	Basic	I can choose the correct operation, apply it, and/or use number sense to solve some problems.
1	Minimal	I can choose the correct operation, apply it, and/or use number sense to solve a few problems.
0	No Evidence	No evidence shown.

Submitted on 7/16/2019 by