

# CW Middle School

## Mathematics 8 B

### 1. Solving Systems of Equation (25.00%)

#### Learning Targets

#### 1.1 I can evaluate systems of equations using graphs.

| Learning Target | Descriptor  | Definition   |
|-----------------|-------------|--|
| 4               | Proficient  | I can evaluate systems of equations using graphs.  |
| 3               | Developing  | I can analyze systems of equations using graphs.   |
| 2               | Basic       | I can describe systems of equations using graphs.  |
| 1               | Minimal     | I can recognize systems of equations using graphs. |
| 0               | No Evidence | No evidence shown.                                 |

#### 1.2 I can solve systems of equations using the equal values method.

| Learning Target | Descriptor  | Definition  |
|-----------------|-------------|---|
| 4               | Proficient  | I can solve systems of equations using the equal values method.     |
| 3               | Developing  | I can analyze systems of equations using the equal values method.   |
| 2               | Basic       | I can describe systems of equations using the equal values method.  |
| 1               | Minimal     | I can recognize systems of equations using the equal values method. |
| 0               | No Evidence | No evidence shown.  |

#### 1.3 I can understand the possible solutions to a system of equations.

| Learning Target | Descriptor  | Definition   |
|-----------------|-------------|--|
| 4               | Proficient  | I can understand the possible solutions to a system of equations.  |
| 3               | Developing  | I can distinguish the possible solutions to a system of equations. |
| 2               | Basic       | I can recognize the possible solutions to a system of equations.   |
| 1               | Minimal     | I can define the possible solutions to a system of equations.      |
| 0               | No Evidence | No evidence shown.   |



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### 2. Transformations and Similarity (25.00%)

#### Learning Targets

#### 2.1 I can understand the movements of rigid transformations.

| Learning Target | Descriptor  | Definition  |
|-----------------|-------------|---|
| 4               | Proficient  | I can understand the movements of rigid transformations.  |
| 3               | Developing  | I can construct the movements of rigid transformations.   |
| 2               | Basic       | I can demonstrate the movements of rigid transformations. |
| 1               | Minimal     | I can record the movements of rigid transformations       |
| 0               | No Evidence | No evidence shown.  |

#### 2.2 I can compare similar/congruent figures.

| Learning Target | Descriptor  | Definition                                 |
|-----------------|-------------|--|
| 4               | Proficient  | I can compare similar/congruent figures.   |
| 3               | Developing  | I can illustrate similar/congruent figures |
| 2               | Basic       | I can describe similar/congruent figures   |
| 1               | Minimal     | I can define similar/congruent figures     |
| 0               | No Evidence | No evidence shown.                         |

#### 2.3 I can integrate the properties of similar figures with my knowledge of proportions to solve for an unknown length, perimeter, and area.

| Learning Target | Descriptor  | Definition  |
|-----------------|-------------|---|
| 4               | Proficient  | I can integrate the properties of similar figures with my knowledge of proportions to solve for an unknown length, perimeter, and area. |
| 3               | Developing  | I can formulate the properties of similar figures with my knowledge of proportions to solve for an unknown length, perimeter, and area. |
| 2               | Basic       | I can apply the properties of similar figures with my knowledge of proportions to solve for an unknown length, perimeter, and area.     |
| 1               | Minimal     | I can record the properties of similar figures with my knowledge of proportions to solve for an unknown length, perimeter, and area.    |
| 0               | No Evidence | No evidence shown.  |



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### 3. Slope and Association (25.00%)

#### Learning Targets

#### 3.1 I can organize and interpret various scatterplots.

| Learning Target | Descriptor  | Definition   |
|-----------------|-------------|--|
| 4               | Proficient  | I can organize and interpret various scatterplots. |
| 3               | Developing  | I can organize and describe various scatterplots.  |
| 2               | Basic       | I can organize various scatterplots.               |
| 1               | Minimal     | I can recognize various scatterplots.              |
| 0               | No Evidence | No evidence shown.                                 |

#### 3.2 I can illustrate association in scatterplots (positive, negative, clusters, outliers, linear, and non-linear).

| Learning Target | Descriptor  | Definition   |
|-----------------|-------------|--|
| 4               | Proficient  | I can illustrate association in scatterplots (positive, negative, clusters, outliers, linear, and non-linear). |
| 3               | Developing  | I can describe association in scatterplots (positive, negative, clusters, outliers, linear, and non-linear).   |
| 2               | Basic       | I can recognize association in scatterplots (positive, negative, clusters, outliers, linear, and non-linear).  |
| 1               | Minimal     | I can define association in scatterplots (positive, negative, clusters, outliers, linear, and non-linear).     |
| 0               | No Evidence | No evidence shown.   |


#### 3.3 I can connect rate to slope and apply to $y=mx + b$ .

| Learning Target | Descriptor  | Definition  |
|-----------------|-------------|---|
| 4               | Proficient  | I can connect rate to slope and apply to $y=mx + b$ . |
| 3               | Developing  | I can interpret rate/slope and apply to $y=mx + b$ .  |
| 2               | Basic       | I can describe how slope applies to $y=mx + b$ .      |
| 1               | Minimal     | I can define slope and apply to $y=mx + b$ .          |
| 0               | No Evidence | No evidence shown.                                    |

### 4. Exponents, Relations, and Functions (25.00%)

#### Learning Targets

#### 4.1 I can examine and write equations for exponential growth.


  
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| Learning Target | Descriptor  | Definition  |
|-----------------|-------------|---|
| 4               | Proficient  | I can examine and write equations for exponential growth.   |
| 3               | Developing  | I can interpret and write equations for exponential growth. |
| 2               | Basic       | I can examine and write equations for exponential growth.   |
| 1               | Minimal     | I can examine and write equations for exponential growth.   |
| 0               | No Evidence | No evidence shown.  |

### 4.2 I can understand and apply the rules of exponents.


| Learning Target | Descriptor  | Definition   |
|-----------------|-------------|--|
| 4               | Proficient  | I can understand and apply the rules of exponents. |
| 3               | Developing  | I can understand the rules of exponents.           |
| 2               | Basic       | I can describe the rules of exponents.             |
| 1               | Minimal     | I can define the rules of exponents.               |
| 0               | No Evidence | No evidence shown.                                 |

### 4.3 I can arrange numbers from standard notation to scientific notation and from scientific notation to standard notation.

| Learning Target | Descriptor  | Definition   |
|-----------------|-------------|--|
| 4               | Proficient  | I can arrange numbers from standard notation to scientific notation and from scientific notation to standard notation. |
| 3               | Developing  | I can express numbers from standard notation to scientific notation and from scientific notation to standard notation. |
| 2               | Basic       | I can describe standard and scientific notation.   |
| 1               | Minimal     | I can define standard and scientific notation.   |
| 0               | No Evidence | No evidence shown.   |

### 4.4 I can compare and contrast relations and functions.

| Learning Target | Descriptor | Definition  |
|-----------------|------------|---|
| 4               | Proficient | I can compare and contrast relations and functions. |
| 3               | Developing | I can compare relations and functions.              |

  
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| Learning Target | Descriptor  | Definition                               |
|-----------------|-------------|--|
| 2               | Basic       | I can interpret relations and functions. |
| 1               | Minimal     | I can define relations and functions.    |
| 0               | No Evidence | No evidence shown.                       |

Submitted on 10/23/2019 by