

M08AN1.1.2a: Convert a fraction to a decimal up to the hundredths place

Fraction	Decimal
$\frac{0}{100}$	0.0
$\frac{25}{100}$	
$\frac{75}{100}$	0.75
$\frac{100}{100}$	1.00

A) 0.3

B) 0.25

C) 1.25

Point as you say:

Here are some decimals.

Here is a table that shows fractions converted into decimals.

First Prompt

Correct Answer

Find the decimal equal to $\frac{25}{100}$.

B

Record student response to FIRST prompt.

0.25

If student answers incorrectly, continue with EXTRA prompt below.

Extra Prompt

Correct Answer

The fraction $\frac{75}{100}$ is equal to 0.75. Find what $\frac{25}{100}$ is equal to.

B

Find the decimal equal to $\frac{25}{100}$.

0.25

Record student response to EXTRA prompt and move on to next question.

M08BE1.1.2a: Identify the meaning of an exponent (limited to exponents of 2 and 3)

5^1	5
5^2	5×5
5^3	$5 \times 5 \times 5$

2	5×3	$5 \times 5 \times 5$
A	B	C

Point as you say:

Here is a table with exponents.

First Prompt

Correct Answer

Find what 5 to the 3rd, or 5 cubed, means.

C

$5 \times 5 \times 5$

Record student response to FIRST prompt.

If student answers incorrectly, continue with EXTRA prompt below.

Extra Prompt

Correct Answer

When there is a power of 3 (point to the exponent of 3) that means that the base (point to the base of 5) is multiplied by itself 3 times.

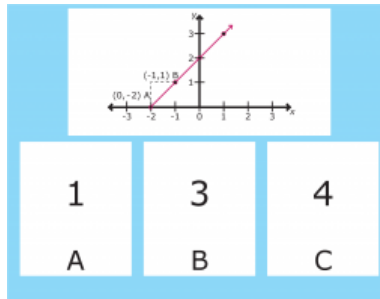
C

$5 \times 5 \times 5$

Find what 5 to the 3rd, or 5 cubed, means.

Record student response to EXTRA prompt and move on to next question.

M08BE2.1.3a: Identify the slope and y-intercept of a line on a graph



Point as you say:

(Point to points A and B and say): Here is a graph showing point A at (0,-2) and point B at (-1,1).

(Trace your finger along the dotted lines and say): These lines show how far up and over you go from point A to point B. This distance is called the slope.

First Prompt

Correct Answer

Find the distance between the x-coordinate of point A and the x-coordinate of point B.

A
1

Record student response to FIRST prompt.

If student answers incorrectly, continue with EXTRA prompt below.

Extra Prompt

Correct Answer

The x-coordinate of point B is -1 and the x-coordinate of point A is 0. What is the difference between 0 and -1?

A
1

Find the distance between the x-coordinate of point A and the x-coordinate of point B.

Record student response to EXTRA prompt and move on to next question.

M08BE3.1.2a: Solve a 2-step real-world problem using an algebraic equation involving addition or subtraction and one variable

$5 + x = 8$		
$x = \underline{\quad}$		
2	3	6
A	B	C

Point as you say:

Here are some numbers.

Chad has 5 marbles. Taylor also has some marbles.

Together Chad and Taylor have 8 marbles.

First Prompt

Correct Answer

How many marbles does Taylor have?

B

3

Record student response to FIRST prompt.

If student answers incorrectly, continue with EXTRA prompt below.

Extra Prompt

Correct Answer

How many marbles do you have to add to 5 to get 8 marbles?

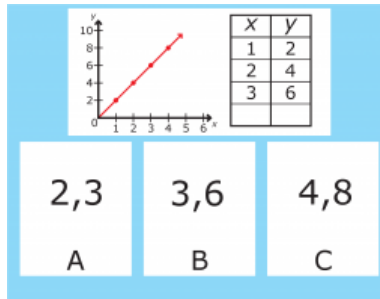
B

3

How many marbles does Taylor have?

Record student response to EXTRA prompt and move on to next question.

M08BF2.1.1a: Determine the missing value in a graph showing a real-world linear relationship



Point as you say:

Here are some numbers that show points on a line.

(Point to the table and graph as you say): This is a graph of a line. This table shows the points that are on the line.

(Point to the x coordinates and say): These are the x-coordinates.

(Point to the y coordinates and say): These are the y-coordinates.

First Prompt

Correct Answer

Find the pair of numbers that show which x and y come next.

C

Record student response to FIRST prompt.

4,8

If student answers incorrectly, continue with EXTRA prompt below.

Extra Prompt

Correct Answer

How does x change? How does y change?

Find the pair of numbers that show how x and y change.

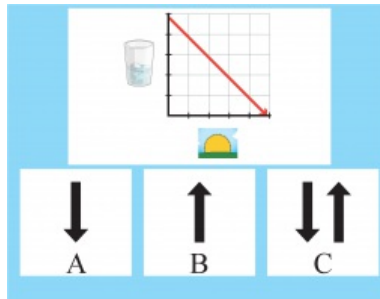
C

4,8

Find the pair of numbers that show which x and y come next.

Record student response to EXTRA prompt and move on to next question.

M08BF2.1.2a: Describe the relationship between two variables with a linear relationship displayed in graph form



Point as you say:

Here is a graph showing how much ice is in Joe's cup during the day. Here are 3 symbols (down arrow; up arrow; and down arrow and up arrow).

(Point at down arrow) This means early in the day, the ice in the cup was bigger.

(Point at up arrow) This means late in the day, the ice in the cup was bigger.

(Point at down and up arrow) This means early in the day, the ice in the cup was bigger.

First Prompt

Correct Answer

Find which picture shows what happens to the ice during the day.

A

down arrow

Record student response to FIRST prompt.

If student answers incorrectly, continue with EXTRA prompt below.

Extra Prompt

Correct Answer

As the day went on, the ice melted and got smaller.

A

Find which picture shows what happens to the ice during the day.

down arrow

Record student response to EXTRA prompt and move on to next question.

M08CG3.1.1a: Complete the formula for volume to solve a real-world or mathematical problem

height = 5in
area of base = 5in
area of base x height = volume

A) $5\text{in} + 10\text{in} = 15\text{in}^3$
B) $5\text{in} + 10\text{in} + 5\text{in} = 20\text{in}^3$
C) $5\text{in} \times 5\text{in} = 25\text{in}^3$

Point as you say:

Here are some equations.

Here is a triangular prism.

Area of the Base x height = volume

First Prompt

Correct Answer

Find the equation that would find the volume for the triangular prism.

C

$$5\text{in} \times 5\text{in} = 25\text{in}^3$$

Record student response to FIRST prompt.

If student answers incorrectly, continue with EXTRA prompt below.

Extra Prompt

Correct Answer

Fill in the equation 'area of the base x height = volume' with the numbers from the triangular prism.

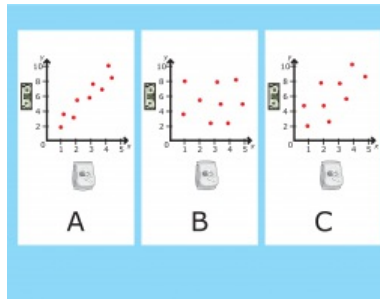
C

$$5\text{in} \times 5\text{in} = 25\text{in}^3$$

Find the equation that would find the volume for the triangular prism.

Record student response to EXTRA prompt and move on to next question.

M08DS1.1.2a: Identify a statement that describes the relationship between variables displayed in a scatterplot



Point as you say:

Here are some graphs.

All of the graphs show the positive relationship that the team makes more money for selling more chips.

First Prompt

Correct Answer

Find the graph that shows the strongest positive relationship between chips sold and money made.

A

strong positive linear relationship

Record student response to FIRST prompt.

If student answers incorrectly, continue with EXTRA prompt below.

Extra Prompt

Correct Answer





Find the graph that shows the strongest positive relationship between chips sold and money made.




A

strong positive linear relationship

Record student response to EXTRA prompt and move on to next question.

M08DS1.2.1a: Answer a question using data from a two-way table

	 Chocolate	 Vanilla
Students 	30	40
Teachers 	6	5
Total	36	45

Chocolate  A	Vanilla  B	Strawberry  C
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Point as you say:

Here are some flavors of ice cream.

Here is a table.

A survey was done asking how many students and teachers liked chocolate, vanilla, and strawberry ice cream.

First Prompt

Correct Answer

Find which flavor of ice cream most students and teachers like.

B

vanilla

Record student response to FIRST prompt.

If student answers incorrectly, continue with EXTRA prompt below.

Extra Prompt

Correct Answer

Look for the total number of students and teachers that like chocolate ice cream and the total number of students and teachers that like vanilla ice cream. Find the bigger number.

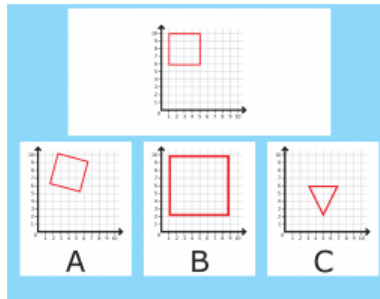
B

vanilla

Find which flavor of ice cream most students and teachers like.

Record student response to EXTRA prompt and move on to next question.

M08CG1.1.1a: Identify a rotation, reflection, or translation of a two- or three-dimensional figure



Point as you say:

Here are some shapes on a graph.

Here is a square on a graph.

Rotation is the spinning of a shape.

First Prompt

Correct Answer

Find the rotation of the square.

A

square rotated

Record student response to FIRST prompt.

If student answers incorrectly, continue with EXTRA prompt below.

Extra Prompt

Correct Answer

Find the shape that is the same size and shape as the square, but rotated (or spun).

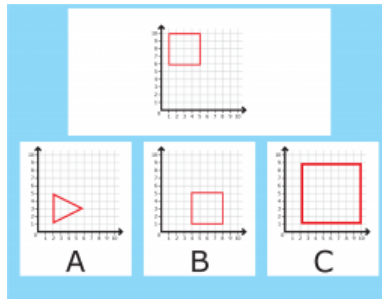
A

square rotated

Find the rotation of the square.

Record student response to EXTRA prompt and move on to next question.

M08CG1.1.2a: Identify figures that are congruent/similar



Point as you say:

**Here are some shapes.
Here is another shape.**

First Prompt

Correct Answer

(Point to top shape) Find the figure that is the same size and shape as this shape.

B

small square

*Record student response to FIRST prompt.
If student answers incorrectly, continue with EXTRA prompt below.*

Extra Prompt

Correct Answer

(Point to top shape) This shape is a small square.

B

(Point to top shape) Find the figure that is the same size and shape as this shape.

small square

Record student response to EXTRA prompt and move on to next question.