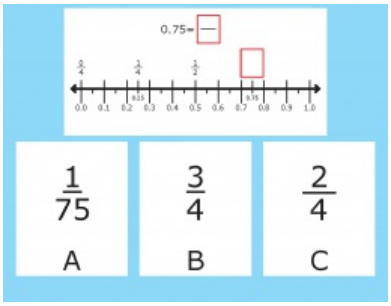
CC.2.1.HSF2a: Convert between fractions and decimals in a real-world problem



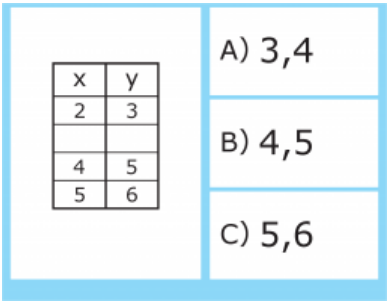
Point as you say:

Here are some fractions.
Here is a number line with some fractions and their matching decimals marked.
Here is a decimal with an matching fraction missing.

First Prompt	Correct Answer
Find the missing fraction that equals 0.75.	**B**
Record student response to FIRST prompt. *If student answers incorrectly, continue with EXTRA prompt below.*	**3/4**

Extra Prompt	Correct Answer
0.75 is in between 1/2 and 1.0	**B**
Find the missing fraction that equals 0.75.	**3/4**
Record student response to EXTRA prompt and move on to next question.	

CC.2.2.HSC1a: Determine the missing coordinates in a table of values containing at least 2 complete ordered pairs



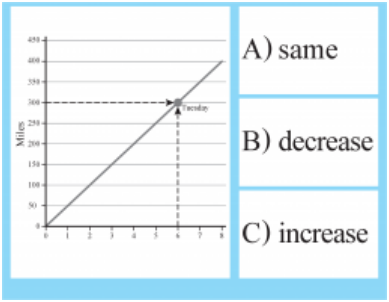
Point as you say:

Here are some pairs of numbers.
Here is a table with pairs of numbers and a missing pair.

First Prompt	Correct Answer
Find the missing pair of numbers that completes the table. *Record student response to FIRST prompt.* *If student answers incorrectly, continue with EXTRA prompt below.*	**A** **3,4**

Extra Prompt	Correct Answer
The pairs of numbers in the table increase by a pattern. Both numbers increase by 1. Find the pair of numbers that would come after 2 and 3. **Find the missing pair of numbers that completes the table.** *Record student response to EXTRA prompt and move on to next question.*	**A** **3,4**

CC.2.2.HSC5a: Interpret the effect of a change in one variable on the other variable using graphs or tables



Point as you say:

This is 'same,' 'decrease,' and 'increase'.
This is a graph showing how many miles a truck driver travels in a certain number of hours.
(Point at x-axis) This side of the graph shows the number of hours he drives.
(Point at y-axis) This side of the graph shows the number of miles he traveled.
(Point at the point marked on the graph) On Tuesday, he drove for six hours and traveled three hundred miles.

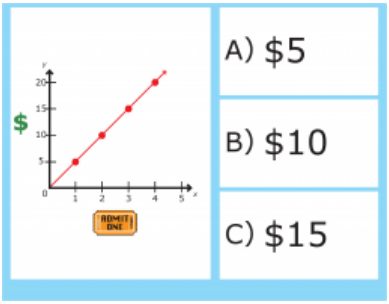
First Prompt	Correct Answer
What will happen to the number of miles he drives on Wednesday if he drives more than 6 hours?	**C** **increase**

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

Extra Prompt	Correct Answer
Look at the graph and find what happens if he drives for 7 hours. **What will happen to the number of miles he drives on Wednesday if he drives more than 6 hours?**	**C** **increase**

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

CC.2.2.HSC5b: Interpret a graphical representation of a linear model in a real-world problem



Point as you say:

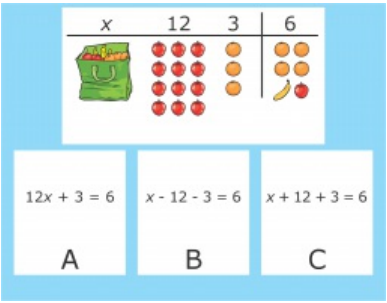
Here are some amounts of money.
Here is a graph that shows amounts of tickets and their costs.

First Prompt	Correct Answer
Find how much 2 tickets cost.	**B**
Record student response to FIRST prompt. *If student answers incorrectly, continue with EXTRA prompt below.*	**$10**

Extra Prompt	Correct Answer
(Point to 1 ticket) One ticket costs $5. **Find how much 2 tickets cost.**	**B** **$10**

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

CC.2.2.HSD1a: Select an algebraic expression using any of the four operations and solve a real-world problem



Point as you say:

Here are some equations.

A teacher took a bag of snacks for her class on a field trip. The class ate 12 apples and 3 oranges. Now there are 6 pieces of fruit left.

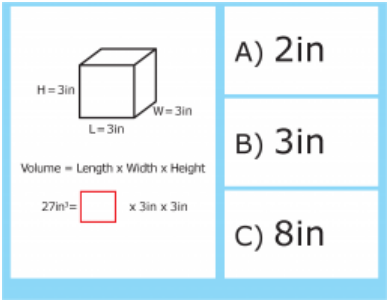
First Prompt	Correct Answer
Find the equation that shows how many pieces of fruit are left in the bag.	**B** **x - 12 - 3 = 6**

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

Extra Prompt	Correct Answer
Think about what is happening. First there is fruit in a bag. Next take out 12 apples and then take out 3 oranges. Then 6 pieces of fruit are left in the bag. **Find the equation that shows how many pieces of fruit are left in the bag.**	**B** **x - 12 - 3 = 6**

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

CC.2.2.HSD8a: Solve a linear equation to find a missing attribute when determining area or volume



Point as you say:

Here is a cube. Each side is 3 inches long.
Here is the formula for the volume of the cube with a side missing.

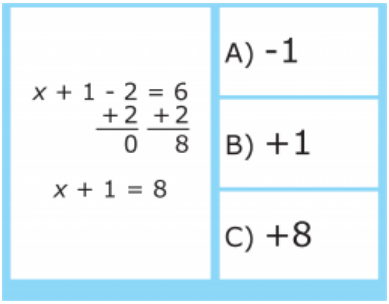
First Prompt	Correct Answer
Find the size of the missing side.	**B** **3 inches**

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

Extra Prompt	Correct Answer
The formula for volume is side x side x side. Two of the sides are already filled in the formula. The size of the last side is missing in the formula. **Find the size of the missing side.**	**B** **3 inches**

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

CC.2.2.HSD9a: Order a given sequence of steps to solve an equation



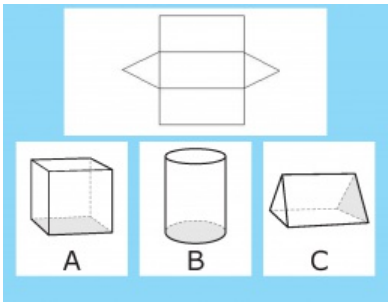
Point as you say:

This is take away 1, this is add 1, and this is add 8.
Here is an equation and the first step that is done to find how much x is.
One last step has to be done to find x.

First Prompt	Correct Answer
Find what you should do next to both sides to find x.	**A**
Record student response to FIRST prompt. *If student answers incorrectly, continue with EXTRA prompt below.*	**-1**

Extra Prompt	Correct Answer
The first step shows adding 2 to each side to start. 'x + 1 = 8' is left. One more thing needs to be done to find x. **Find what you should do next to both sides to find x.**	**A** **-1**
Record student response to EXTRA prompt and move on to next question.	

CC.2.3.HSA13a: Match corresponding two-dimensional and three-dimensional representations



Point as you say:

Here are some figures.
Here is a net of a figure.

First Prompt	Correct Answer
Find the figure that the net folds into.	**C** **triangular prism**

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

Extra Prompt	Correct Answer
Find the figure with two triangular faces. **Find the figure that the net folds into.**	**C** **triangular prism**

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

CC.2.4.HSB2a: Interpret the means and/or medians of two sets of data

Point as you say:

Here are 3 pictures of some data.
One way to describe the data is to show the center of the data set. This is the mean.
(Point to the curve) This curve shows the shape of the data.
(Point to the vertical line) This shows the mean.

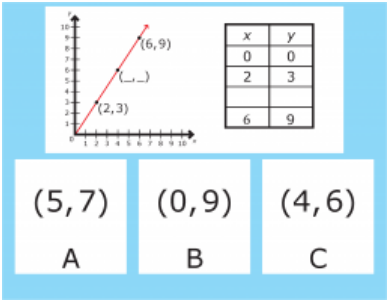
First Prompt	Correct Answer
Find the picture that shows the correct mean for the data.	**C** **line in the middle**

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

Extra Prompt	Correct Answer
Look for the line that is in the center of the data set. **Find the picture that shows the correct mean for the data.**	**C** **line in the middle**

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

CC.2.4.HSB3a: Identify the relationship between two or more variables in a function



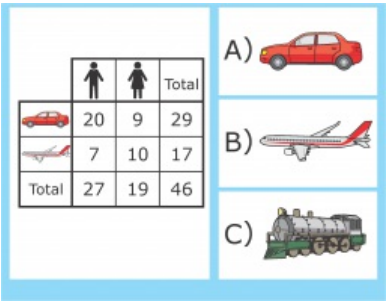
Point as you say:

Here is a graph with pairs of coordinates (points) marked on it. Here is a table with the pairs of coordinates that make this line.

First Prompt	Correct Answer
Find the missing pair of coordinates (point). *Record student response to FIRST prompt.* *If student answers incorrectly, continue with EXTRA prompt below.*	**C** **(4,6)**

Extra Prompt	Correct Answer
You can find the missing point by looking at the graph or finding the pattern in the pairs of numbers. The first number increases by 2 and the second number increases by 3. **Find the missing pair of coordinates (point).** *Record student response to EXTRA prompt and move on to next question.*	**C** **(4,6)**

CC.2.4.HSB5a: Draw a conclusion about data presented in a two-way table representing a real-world problem



Point as you say:

This is car, plane, and train.
A survey was taken of men and women to see how they liked to travel if they were going on a long trip.

First Prompt	Correct Answer
Find how most people like to travel.	**A** **car**

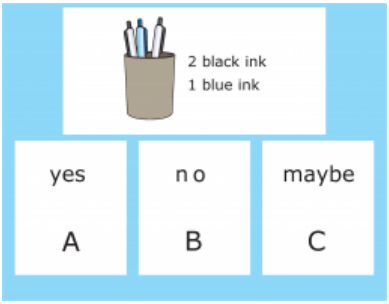
Record student response to FIRST prompt.
If student answers incorrectly, continue with EXTRA prompt below.

Extra Prompt	Correct Answer
Find the totals for car and plane and see which number is higher.	**A**
Find how most people like to travel.	**car**

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

Skill 24

CC.2.4.HSB7a: Identify the probability of events based on real-world examples of conditional probability



Point as you say:

Here are some answer choices.
Here is a cup of pens.
There are 2 pens with black ink and 1 with blue ink.

First Prompt	Correct Answer
If you take a pen out of the cup, will you get a pen with black ink?	**C** **maybe**

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

Extra Prompt	Correct Answer
If the pens in the cup are blue and black, can you choose a pen that is not black?	**C** **maybe**
If you take a pen out of the cup, will you get a pen with black ink?	

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