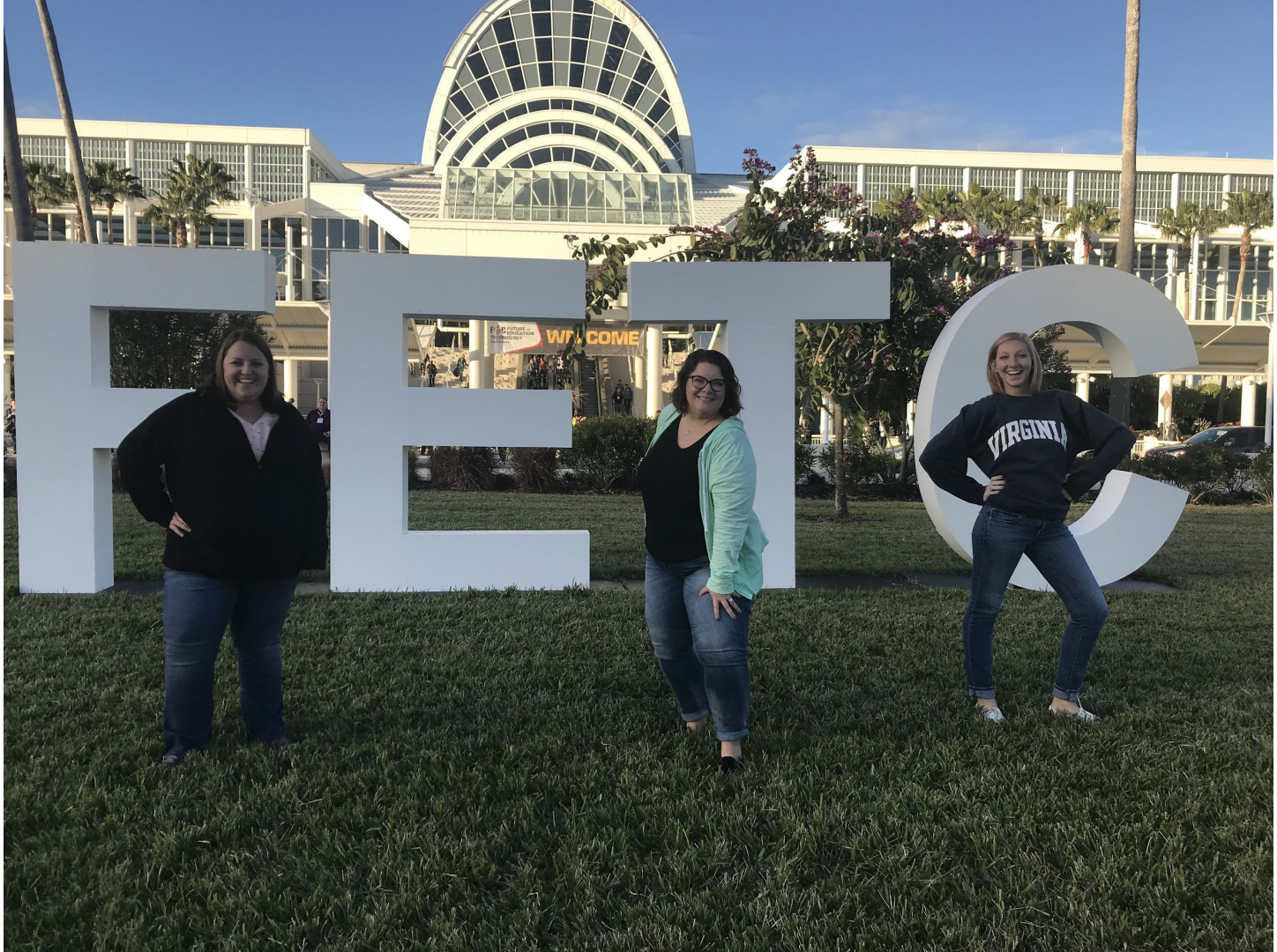
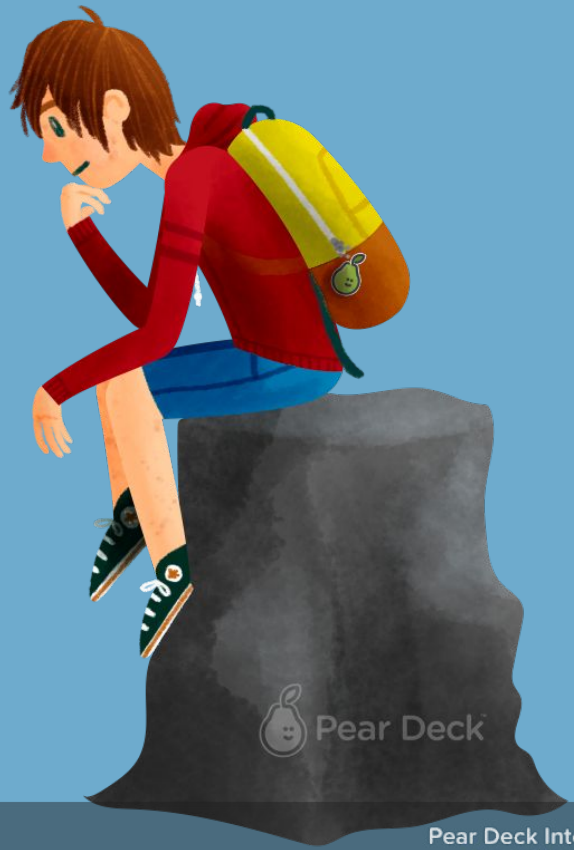
Hello my lovely math students!

I have missed you all, but I learned so much!


VIRGINIA

Update me! How have your last three days been (in math and out of math)? How was the Desmos activity? You started reading Hidden Figures - how has that been so far? How were the released EOC questions?



Students, write your response!

Any lingering word problem quizzes?

Did you do last Friday’s homework?

Desmos

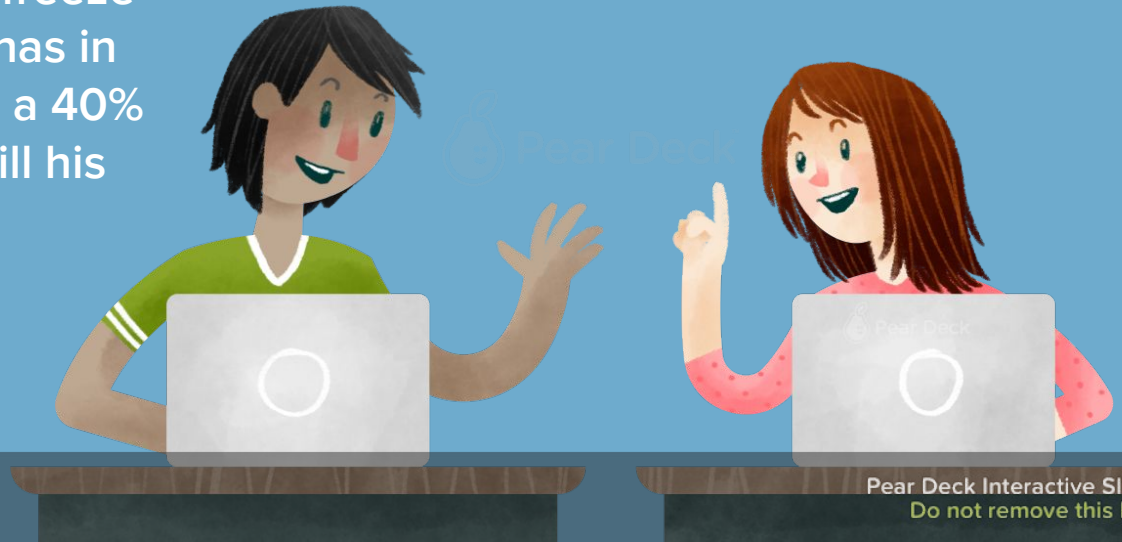
Hidden Figures

Released EOC Questions

Return Graded Work

Quiz Question:

3) Mixture Problem: A car radiator has a capacity of 16 quarts. Oscar has a 25% antifreeze solution in his garage. How much pure antifreeze should he mix with what he has in his garage in order to obtain a 40% antifreeze solution that will fill his car's radiator?



Students, write your response!

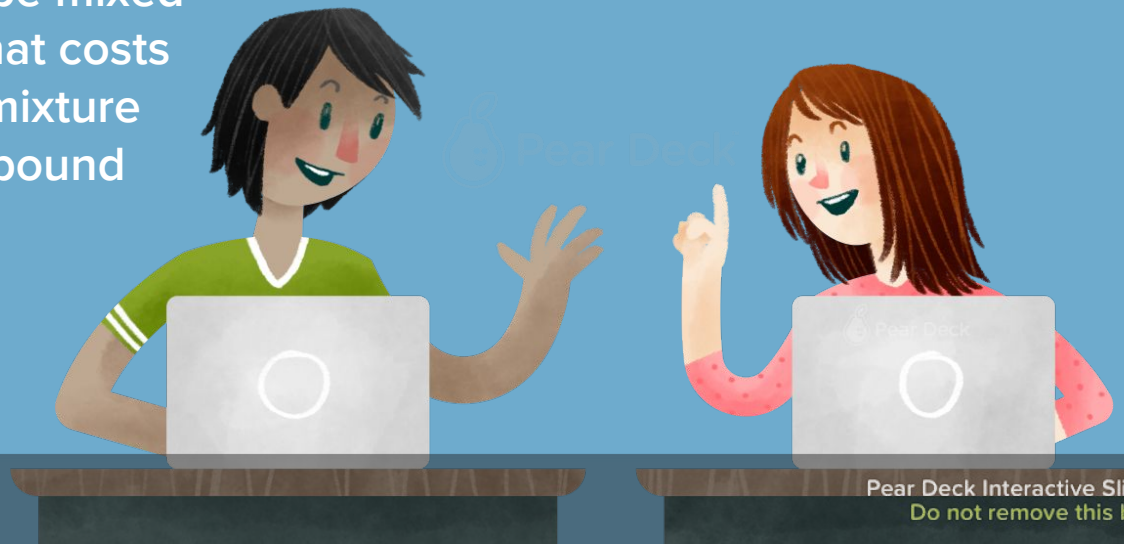
Let’s look back at word problems...

If you missed #3...

John wants to make a 100 ml of 5% alcohol solution mixing a quantity of a 2% alcohol solution with a 7% alcohol solution. What are the quantities of each of the two solutions (2% and 7%) he has to use?

Quiz Question:

9) Mixture Problem: Dunder Mifflin Paper Company is planning a party. How many pounds of walnuts that cost $0.80 per pound must be mixed with 8 pounds of cashews that costs $1.25 per pound to make a mixture of nuts that costs $1.00 per pound for the party?



Students, write your response!

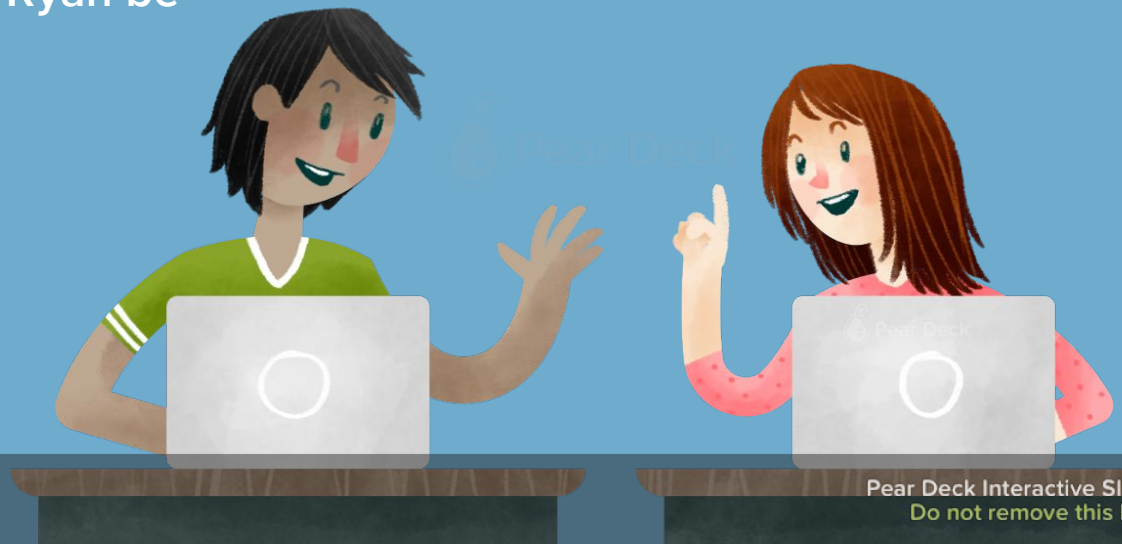
Let’s look back at word problems…

If you missed #9...

Suppose the owner of a candy store mixes two types of candies. She decides to create a 20-pound mixture of raspberry-flavored gumdrops and cherry-flavored jelly beans. The gumdrops sell for $0.95 per pound and the jelly beans sell for $1.20 per pound. She plans to sell the mix for $1.10 per pound. How many pounds of each candy should she use in her mix?

Quiz Question:

10) Motion Problem: Going south Pam drives 45 miles per hour. Going north Ryan drives 30 miles per hour. After how long will Pam and Ryan be 225 miles apart?



Students, write your response!

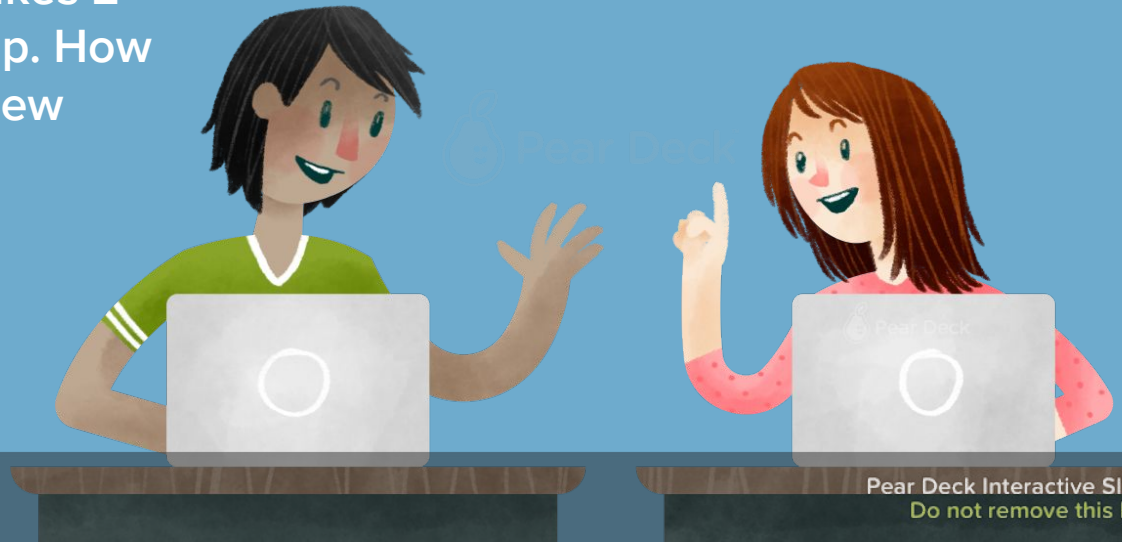
Let’s look back at word problems…

If you missed #10...

Two cars started from the same point, at 5 am, traveling in opposite directions at 40 and 50 mph respectively. At what time will they be 450 miles apart?

Quiz Question:

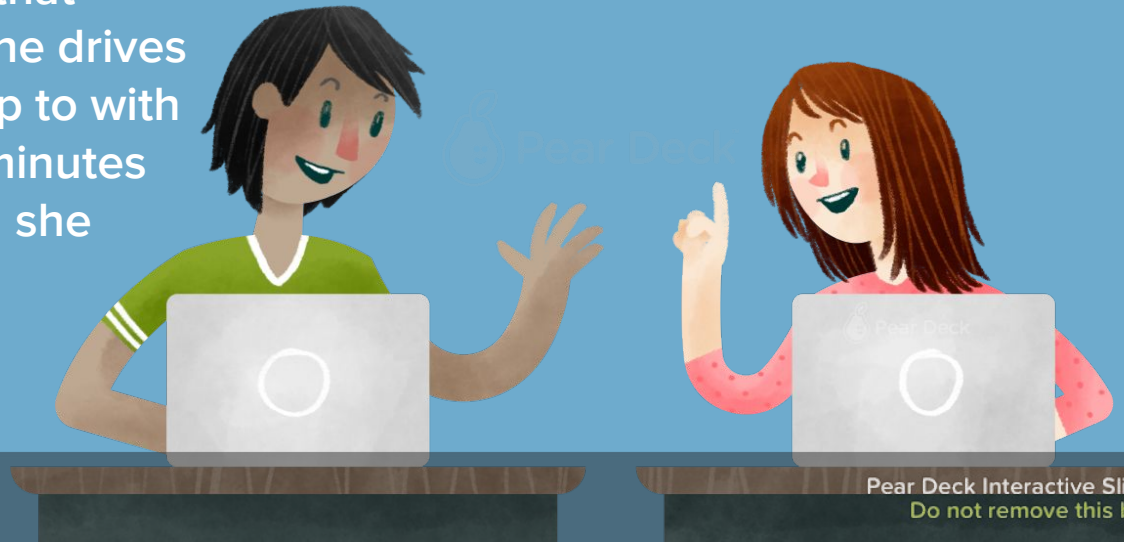
4) Motion Problem: An express train travels 80 kilometers per hour from Scranton to New York. A local train, traveling at 48 kilometers, takes 2 hours longer for the same trip. How far apart are Scranton and New York?



Students, write your response!

Quiz Question:

5) Motion Problem: At 8:00 a.m., Kevin leaves on a business trip driving 35 miles per hour. A half hour later, Phyllis discovers that Kevin forgot his briefcase. She drives 50 miles per hour to catch up to with him. If Phyllis is delayed 15 minutes with a flat tire, what time will she catch up to Kevin?



Students, write your response!

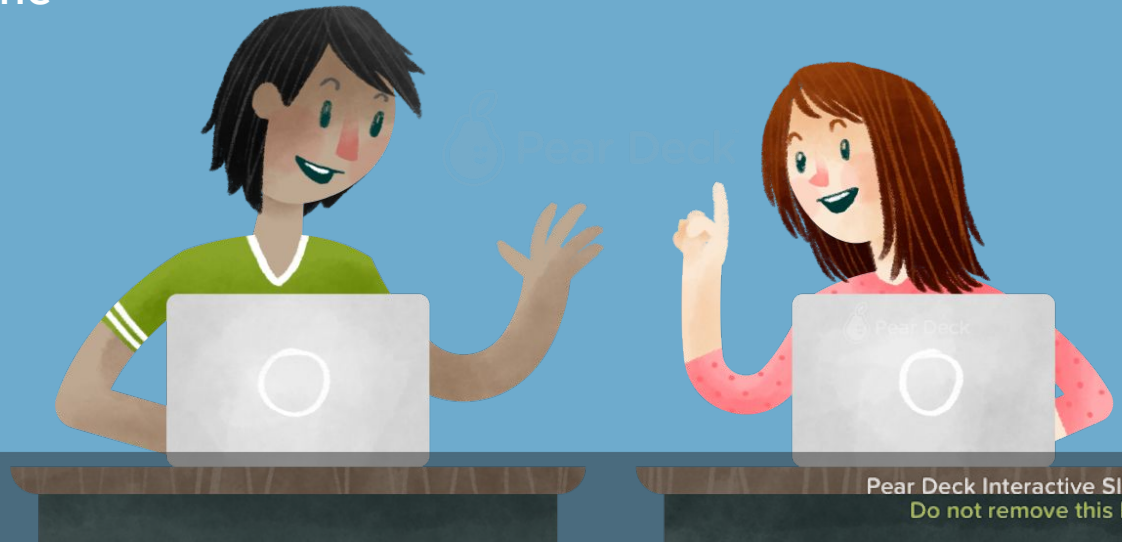
Let’s look back at word problems…

If you missed #4 or #5...

Micaela left the hardware store and traveled toward her friend's house at an average speed of 25 km/h. Nicole left some time later traveling in the same direction at the average speed of 30 km/h. After traveling for five hours Nicole caught up with Micaela. How long did Micaela travel before Nicole caught up?

Quiz Question:

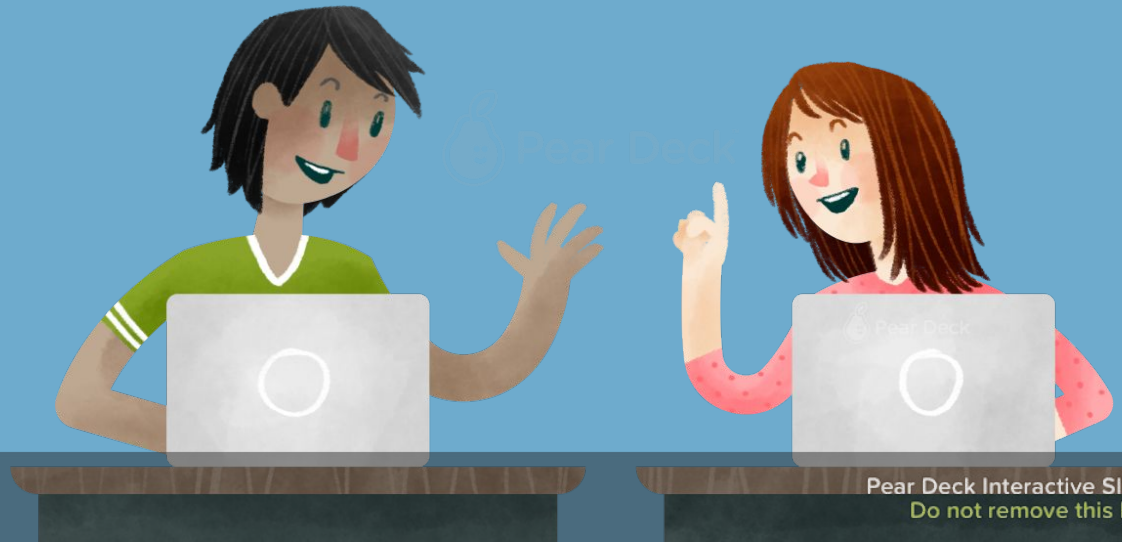
1) Consecutive Integer Problem: Three consecutive integers are such that three times the smallest is 22 more than the largest. Find the integers.



Students, write your response!

Quiz Question:

8) Consecutive Integer Problem:
Find four consecutive odd integers whose sum is 8.



Students, write your response!

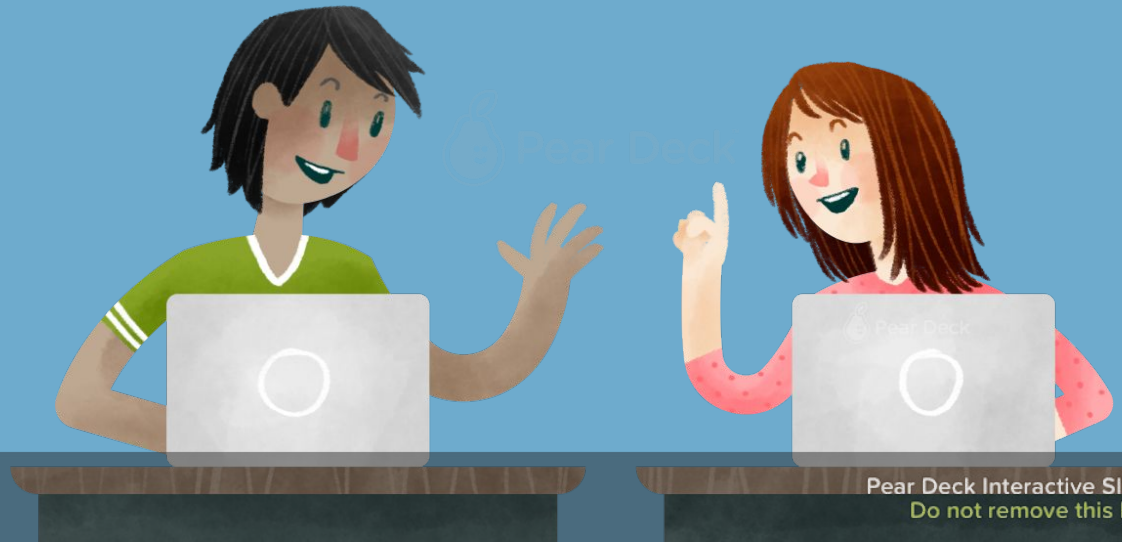
Let’s look back at word problems…

If you missed #1 or #8...

Three consecutive even integers are such that the sum of the smallest and 3 times the second is 38 more than twice the third. Find the integers

Quiz Question:

2) General Word Problem: A piece of paper's length is 75 inches shorter than 3 times its width. Its perimeter is 370 inches. Find its width.



Students, write your response!

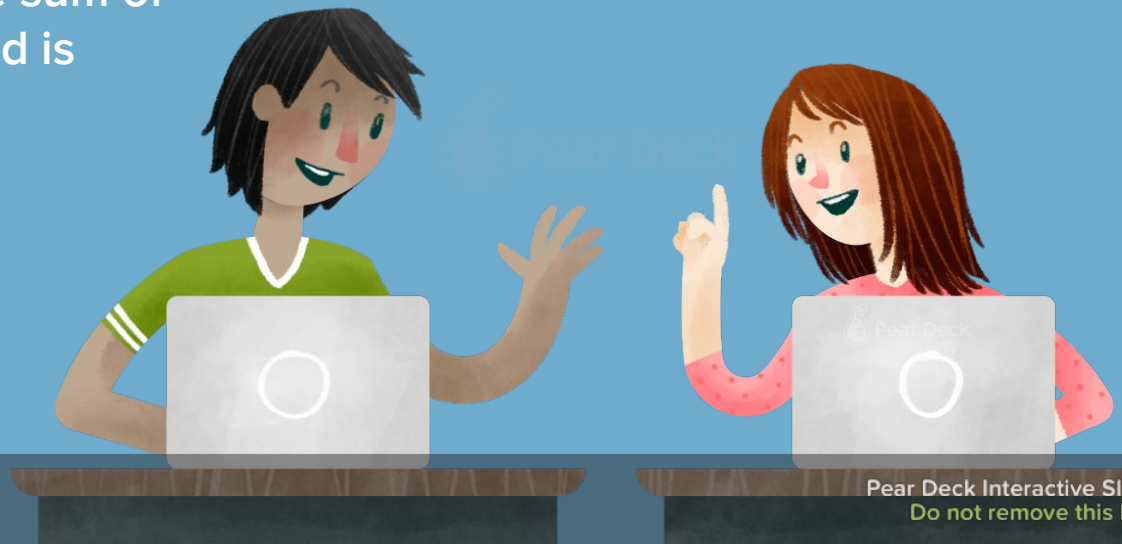
Let’s look back at word problems…

If you missed #2...

The length of a rectangle is 5 m greater than the width. The perimeter is 150 m. Find the width and length.

Quiz Question:

6) Age Problem: Cecelia's father Jim is 5 times older than Cecelia and Cecelia is twice as old as her brother Phillip. In two years time, the sum of their ages will be 58. How old is Cecelia now?



Students, write your response!

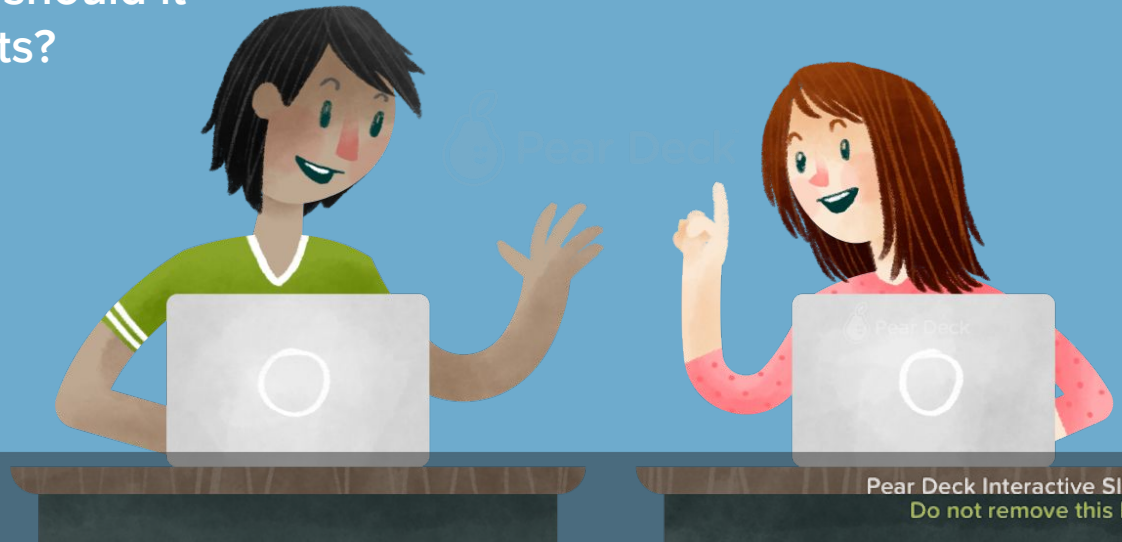
Let’s look back at word problems…

If you missed #6...

Three less than 5 times Wanda’s age is the same as 3 times her age increased by 37. How old is she?

Quiz Question:

7) Task Problem: Creed takes 2 hours to plant 500 beets. Dwight takes 3 hours to plant 450 beets. Working together, how long should it take them to plant 1500 beets?



Students, write your response!

Let’s look back at word problems…

If you missed #7...

Walter and Helen are asked to paint a house. Walter can paint the house by himself in 12 hours and Helen can paint the house by herself in 16 hours. How long would it take to paint the house if they worked together?

Homework

1. Complete the questions from this slideshow that match with the questions you missed on the quiz
2. Tomorrow we will pick up where we left off with our foldables… make sure you haven’t lost yours!