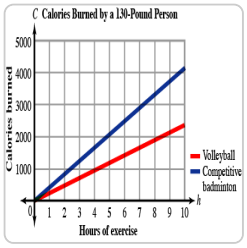


Finding Linear Equations from a Graph or Situation

Finding equations of lines from a graph or situation.

CLASS CODE

Activity Checklist

- [ ] Complete the activity using student preview.
- [ ] Identify your learning targets for the activity.
- [ ] Determine the screens where you'll bring the class together using Teacher Pacing and Pause Class. What will you discuss on those screens?
- [ ] Anticipate screens where students will struggle, then plan your response.
- [ ] Plan a challenge for students who finish the activity quickly and successfully.
- [ ] Make yourself available during the activity to students for individual help and questions when appropriate.
- [ ] Write out your summary of the activity's main ideas. How will you pull student work into that summary? Which parts of the activity can you skip to ensure that summary receives sufficient time?

My Learning Targets:

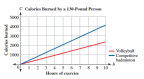
Activity Screens: Teacher Pacing and Pause Class

Use this page to plan your use of Teacher Pacing and Pause Class. Teacher Pacing lets you restrict students to a single screen or a range of screens. Pause Class keeps students from interacting with whatever screens they are currently viewing. Use these two tools to create conversations in your classroom.

Consider these questions as you plan:

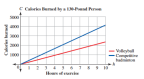
- Which screen(s) should everyone work on at the same time? Why?
- Which screen(s) do you want to keep students from seeing until you're ready for the class to see them together? (Perhaps because they reveal answers or require a whole class conversation for introduction.)
- Are there any points in the lesson where you will want to make sure students aren't playing with the screens while you discuss something as a class?

1 Define the variables



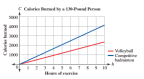
Using the information from the

2 Find the equation …



Find the equation that represents the

3 Comparing lines



How do you expect the equation for

4 Define variables fr…

Mobile e-commerce is the purchase of products or services via a mobile device.

5 Find a linear equati…

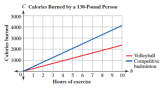
Mobile e-commerce is the purchase of products or services via a mobile device.

$f(x)$

6 Comparing lines fr…

Mobile e-commerce is the purchase of products or services via a mobile device.

1 Define the variables



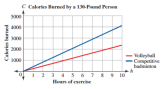
Using the information from the graph define

Using the information from the graph define the variables h and C for the volleyball line.

Answer in the box below.

My Notes:

2 Find the equation of a…



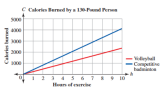
Find the equation that represents the

Find the equation that represents the volleyball line.

Answer in the box below.

My Notes:

3 Comparing lines



How do you expect the equation for the ...

How do you expect the equation for the Competitive badminton line to be the same or different from the volleyball equation?

Answer in the box below.

My Notes:

4 Define variables from …

Mobile e-commerce is the purchase of products or services via a mobile device. The ...

Mobile e-commerce is the purchase of products or services via a mobile device. The estimated mobile e-commerce sales worldwide in 2016 were 0.97 trillion U.S. dollars. In 2021 the estimated mobile e-commerce sales worldwide will be approximately 3.56 trillion U.S. dollars.

Define variables that could be used in an equation that represents this situation.
Answer in the box below.

My Notes:

5 Find a linear equation …

Mobile e-commerce is the purchase of products or services via a mobile device. The

f(x)

Mobile e-commerce is the purchase of products or services via a mobile device. The estimated mobile e-commerce sales worldwide in 2016 were 0.97 trillion U.S. dollars. In 2021 the estimated mobile e-commerce sales worldwide will be approximately 3.56 trillion U.S. dollars.

Assuming the growth of mobile e-commerce is linear, find an equation to represent this situation.
Use the variables defined on the previous screen.
Enter your answer in the box below.

My Notes:

6 Comparing lines from …

Mobile e-commerce is the purchase of products or services via a mobile device. The

Mobile e-commerce is the purchase of products or services via a mobile device. The estimated mobile e-commerce sales worldwide in 2016 were 0.97 trillion U.S. dollars. In 2021 the estimated mobile e-commerce sales worldwide will be approximately 3.56 trillion U.S. dollars.

If mobile e-commerce grows much faster than predicted, how would that effect the equation you wrote on the previous screen?
Enter your answer in the box below.

My Notes:

Summary Notes: