

Strand: Algebra

Name: _____

Skill Addressed: Understanding Ratio

Blk: _____

Activity: *Slope, Units and Rates of Change – Part A*

Slope is also a Ratio!

Choose a “rise over run” that you would prefer if you had to walk up a ramp.

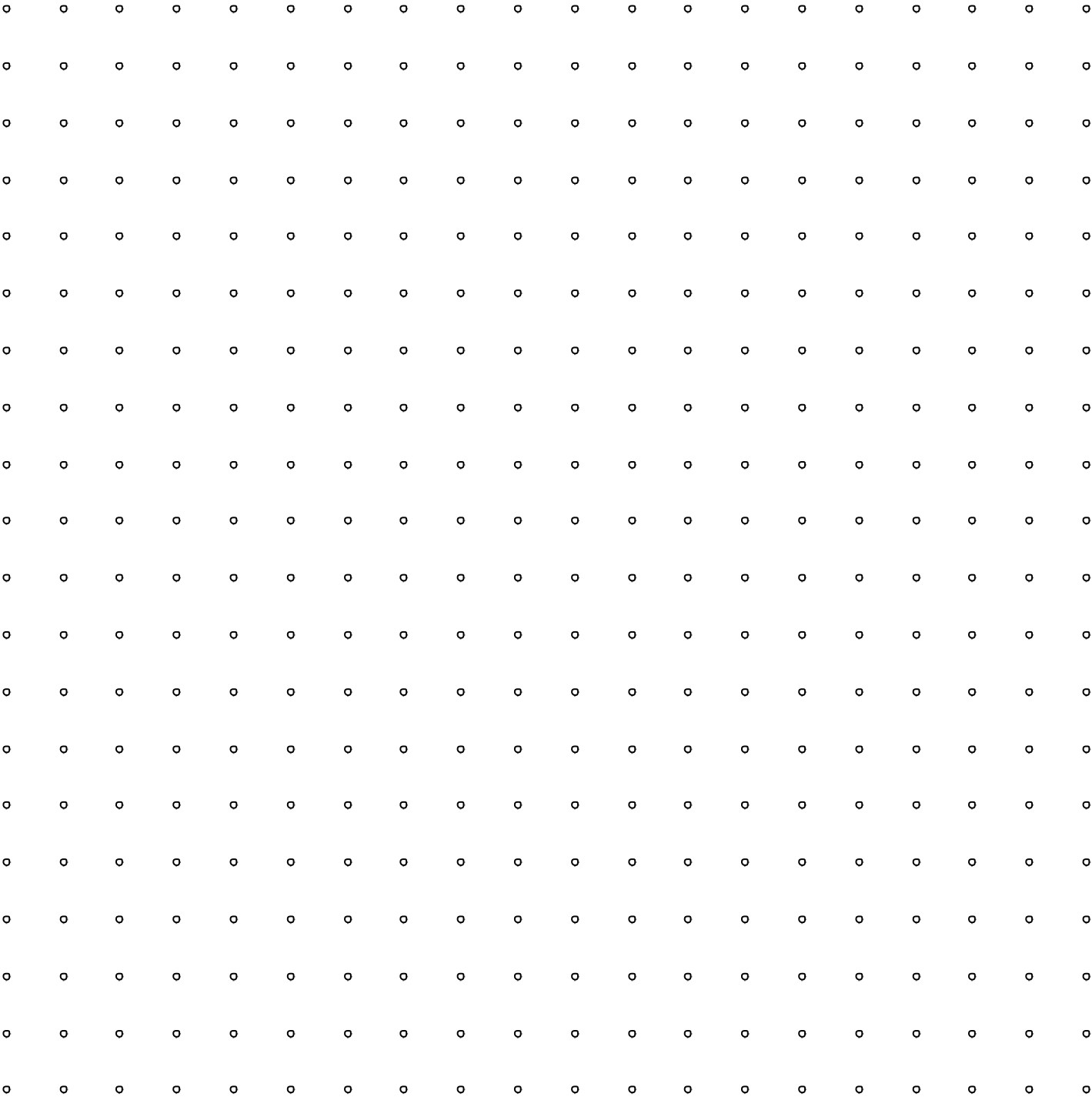
a) $\frac{3}{5}$ b) $\frac{8}{15}$ or c) $\frac{4}{7}$

Using Dot Paper, model the three sloped ramps given above. Note that you are assuming that the horizontal and vertical scales of your dot paper are equal. Assume they are in metres.

What are the units of your slope in the examples that you drew? Explain.
{hint: think “rise over run”}

Choose which is the “easiest” slope now that you have drawn them. Justify your answer.

BLM – Dot Paper



Activity: *Slope, Units and Rates of Change*
Continued

Name: _____
Blk: ____

Select any of the 3 slopes in the above question and show 3 different ways to write the same “rise over run”.

Example: $\frac{3}{5} = \frac{?}{?} = \frac{??}{??}$

Draw each of these “ramps” on the dot paper below.

