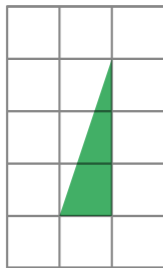


Understand gradient as a ratio

H

I Complete the sentences.

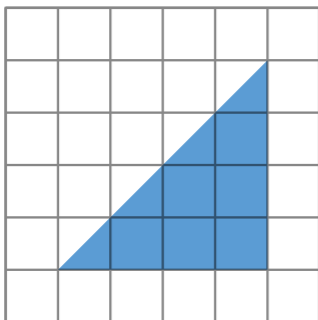
a)



The ratio of base : height is :

In the form 1 : n it is :

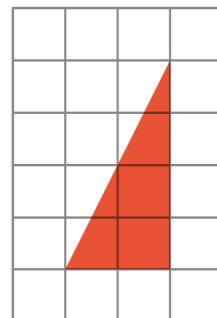
b)



The ratio of base : height is :

In the form 1 : n it is :

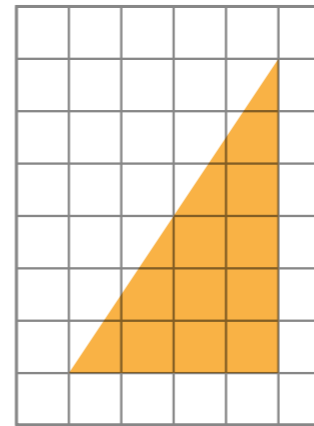
c)



The ratio of base : height is :

In the form 1 : n it is :

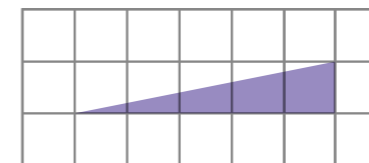
d)



The ratio of base : height is :

In the form 1 : n it is :

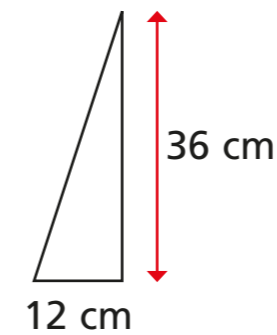
e)



The ratio of base : height is :

In the form 1 : n it is :

f)



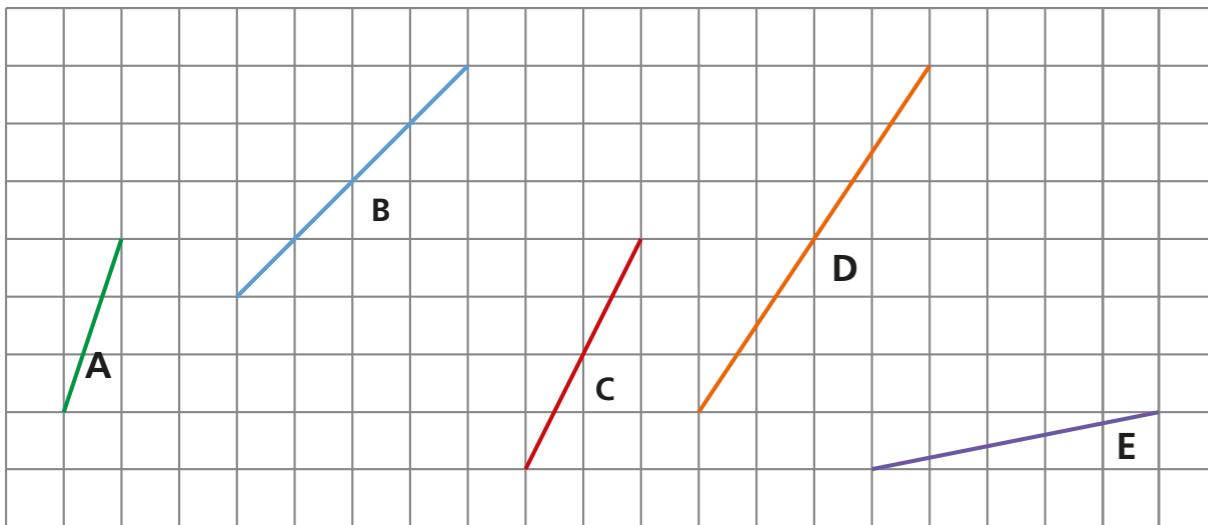
The ratio of base : height is :

In the form 1 : n it is :

What do you notice about the triangles when the value of n is larger?



2



Complete the sentences for each line.

a) For every 1 square across, it goes squares up.

The gradient of line A is

b) For every 1 square across, it goes squares up.

The gradient of line B is

c) For every 1 square across, it goes squares up.

The gradient of line C is

d) For every 1 square across, it goes squares up.

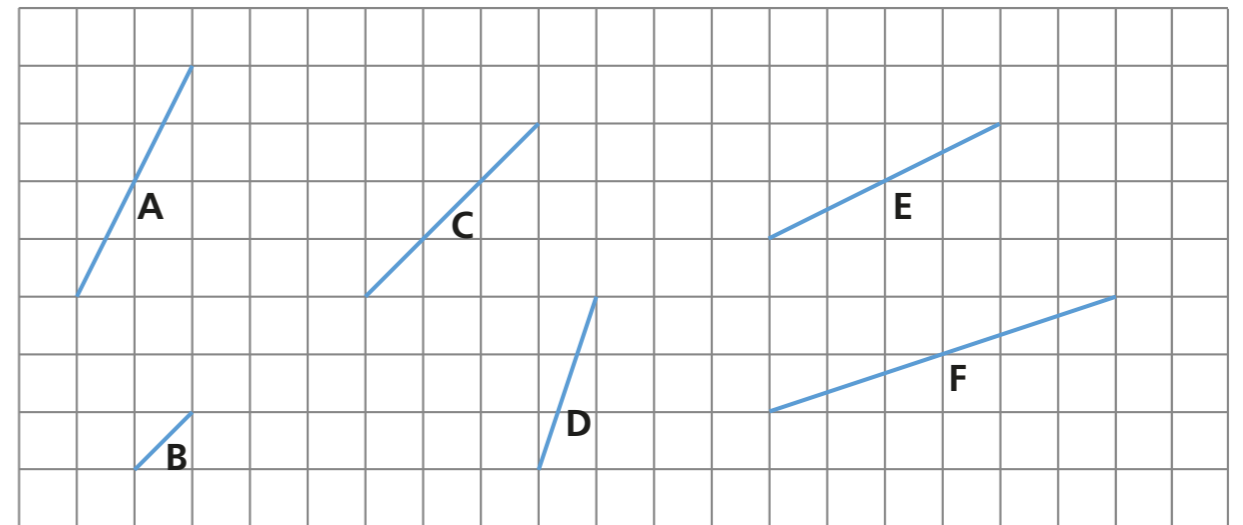
The gradient of line D is

e) For every 1 square across, it goes squares up.

The gradient of line E is

3

Work out the gradient of each line.



Gradient of A =

Gradient of D =

Gradient of B =

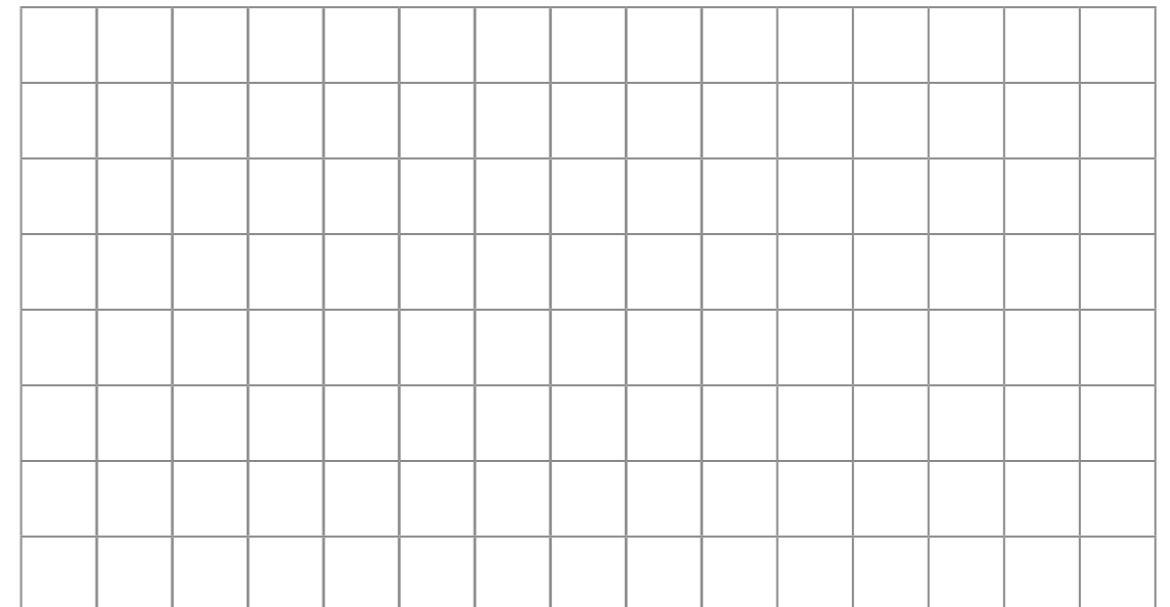
Gradient of E =

Gradient of C =

Gradient of F =

4

Draw three different lines with a gradient of 2



What do you notice about your lines?

