

## Lesson 8: Equivalent Ratios Defined Through the Value of a Ratio

### Classwork

#### Exercise 1

Circle any equivalent ratios from the list below.

Ratio: 1:2

Ratio: 5:10

Ratio: 6:16

Ratio: 12:32

Find the value of the following ratios, leaving your answer as a fraction, but re-write the fraction using the largest possible unit.

Ratio: 1:2                      Value of the Ratio:

Ratio: 5:10                     Value of the Ratio:

Ratio: 6:16                     Value of the Ratio:

Ratio: 12:32                    Value of the Ratio:

What do you notice about the value of the equivalent ratios?

#### Exercise 2

Here is a theorem:

*If two ratios are equivalent, then they have the same value.*

Can you provide any counter-examples to the theorem above?

