

# RATIO

Name: \_\_\_\_\_

Assessment Criteria: Understand simple ratio

1. Simplify the following ratios:

a) 12:10

\_\_\_\_\_

b) 20:60

\_\_\_\_\_

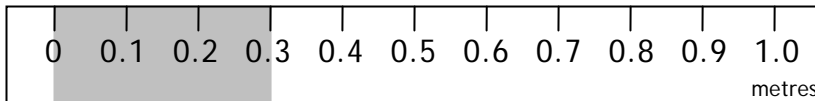
c) 5:50

\_\_\_\_\_

d) 66:21

\_\_\_\_\_

2. Look at the diagram below. What is the ratio of the shaded length to the unshaded length?



\_\_\_\_\_

3. Look at the pattern below. The pattern is continued further. Complete these statements:

For every 1 triangle there are \_\_\_\_\_ hexagons

For every 8 triangles there are \_\_\_\_\_ hexagons



4. Write the ratio 4:6

a) in its simplest form

\_\_\_\_\_

b) in the form 1:n

\_\_\_\_\_

4. There are 32 students in 10E. Three quarters of them have blue eyes, and the rest have brown eyes. Write the ratio of students with blue eyes to brown eyes in its simplest form.

\_\_\_\_\_ : \_\_\_\_\_

Overall, I think my success level is:

Low High

Q	RATIO	😊	☹
	I can simplify a ratio by cancelling common factors		
	I recognise when a ratio is written in its simplest form		
	I can describe a ratio in words		
	I can write a ratio in the form 1:n		
	<i>I can solve word problems and investigations from a range of contexts</i>		

I need to practise ...