

Name: _____

YEAR 11 MINI-ASSESSMENT 10
HIGHER – RATIO AND PROPORTION

1. Victoria, Olivia and Louise share money in the ratio 3 : 5 : 9.
Louise gets £90 more than Victoria.
How much money do they share altogether?

[3 marks]

2. y is directly proportional to the square of x .
When x is 5, y is 175.
Find the value of y when x is 11.

[3 marks]

3. a is inversely proportional to the square root of b .
When b is 36, a is 5.
Find the value of b when a is 60.

[4 marks]