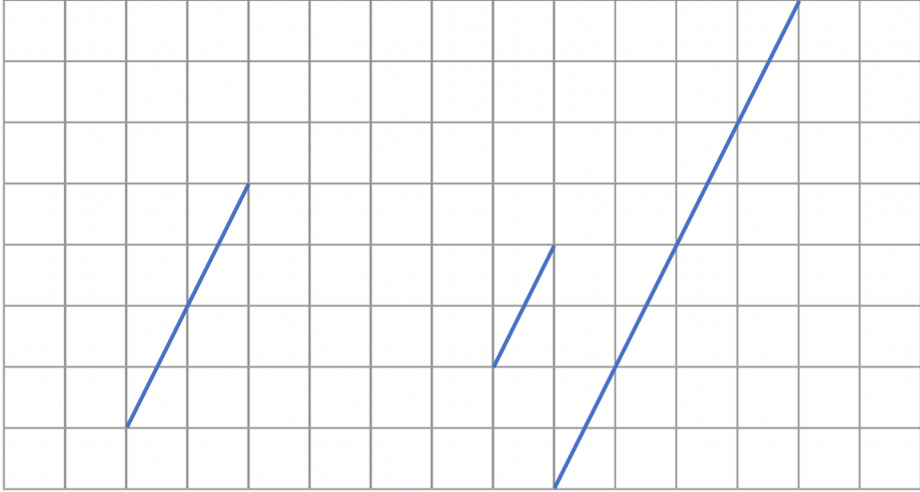


Y8 – Autumn – Block 1 – Step 10 – Understand gradient as a ratio

Question	Answer
1	a) 1:3 1:3 b) 4:4 1:1 c) 2:4 1:2 d) 4:6 1:1.5 e) 5:1 1:0.2 f) 12:36 1:3 g) The hypotenuse is steeper.
2	a) For every 1 square across, it goes 3 squares up. The gradient of line A is 3 b) For every 1 square across, it goes 1 square up. The gradient of line B is 1 c) For every 1 square across, it goes 2 squares up. The gradient of line C is 2 d) For every 1 square across, it goes 1.5 squares up. The gradient of line D is 1.5 e) For every 1 square across, it goes 0.2 squares up. The gradient of line E is 0.2
3	Gradient of A = 2 Gradient of B = 1 Gradient of C = 1 Gradient of D = 3 Gradient of E = 0.5 Gradient of F = $\frac{1}{3}$
4	For example:  <p>For every 1 square that each line goes across, it goes up 2. The lines are parallel.</p>