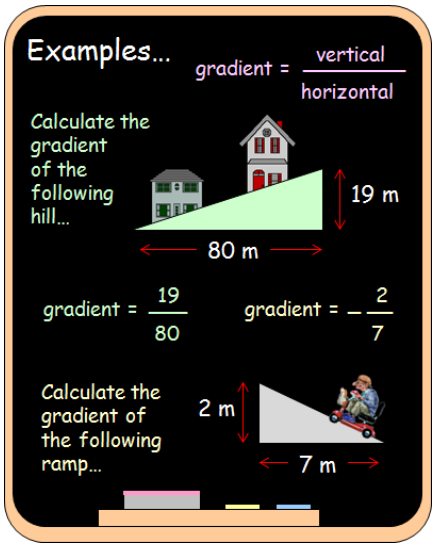
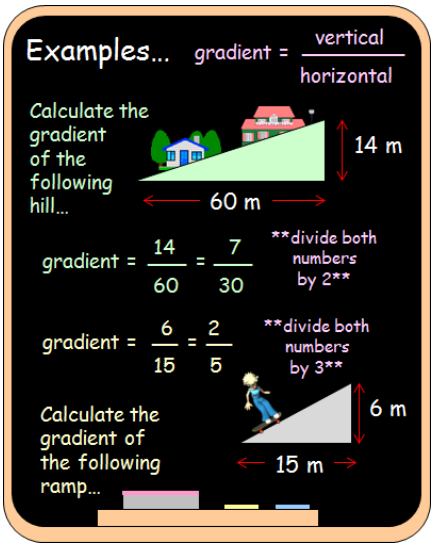
Outcome 1 – Calculating Gradient

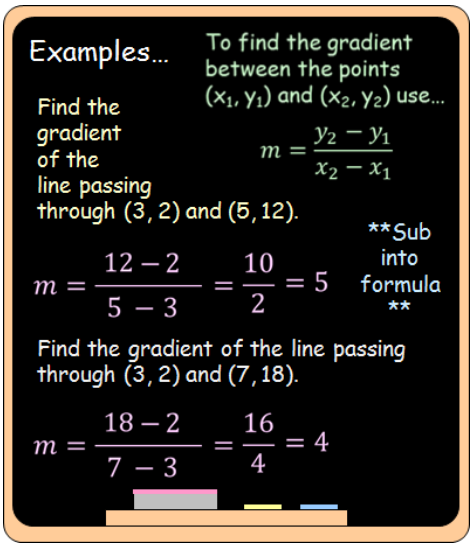
Bronze examples



Silver examples

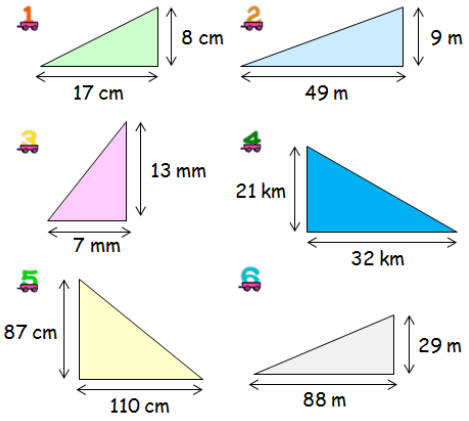


Gold examples



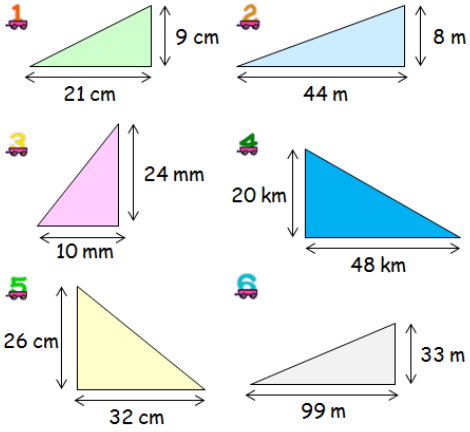
Bronze Questions

Calculate the following gradients...



Silver Questions

Calculate the following gradients...



Gold Questions

Calculate the gradient of the straight lines passing through the points...

1. (2, 4) and (4, 10)
2. (5, 3) and (7, 11)
3. (4, 2) and (6, 12)
4. (3, 3) and (5, 15)
5. (1, 2) and (4, 14)
6. (2, 1) and (4, 7)
7. (1, 8) and (5, 16)
8. (2, 3) and (7, 8)
9. (4, 1) and (5, 8)
10. (2, 12) and (6, 12)

Bronze Answers

1. 8/17
2. 9/49
3. 13/7
4. -21/32
5. -87/110
6. 29/88

Silver Answers

1. 9/21 = 3/7
2. 8/44 = 2/11
3. 24/10 = 12/5
4. -20/48 = -5/12
5. -26/32 = -13/16
6. 33/99 = 1/3

Gold Answers

1. m = 3
2. m = 4
3. m = 5
4. m = 6
5. m = 4
6. m = 3
7. m = 2
8. m = 1
9. m = 7
10. m = 0