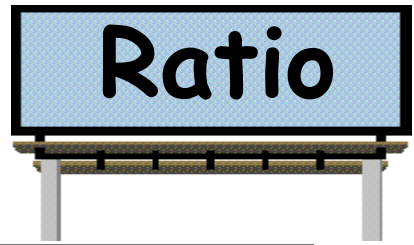


S1 Level 3 Formal Homework
(Show all working!)



Non Calculator Section: If working is not shown for this section then no marks will be awarded.

1. a) $4520 - 175.45$ b) 15×46 c) $7 + (-18)$

2. Simplify the following ratios:
 (a) $4 : 6$ (b) $5 : 25$ (c) $60 : 24 : 30$

3. On a trip to M&D's there were 8 teachers and 120 pupils. Write in simplest form the ratio of:
 (a) teachers to pupils (b) pupils to teachers.

4. In a class, the ratio of boys to girls is $4 : 5$.
 (a) If there are 15 girls how many boys are there?
 (b) If there are 20 boys how many girls are there?

5. A farmer knows he needs 4 sheep dogs for every 90 sheep.
 If the farmer has 135 sheep, how many sheep dogs would be need?

6. (a) Alex and Ryan win £15,000 on the lottery. They decide to split it 2:3.
 Calculate how much both Alex and Ryan will each receive.
 (b) Why might they have decided not to split it 50/50?

Revision Section:

7. (a) Write down the coordinates of A, B and C
 (b) A is reflected in the x axis - what are its new coordinates?
 (c) C is reflected in the y axis - what are its new coordinates?

