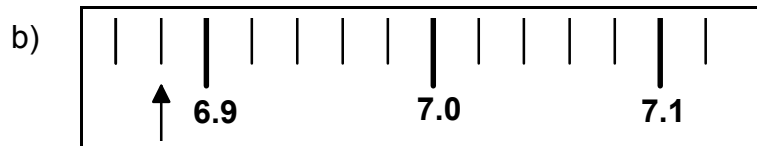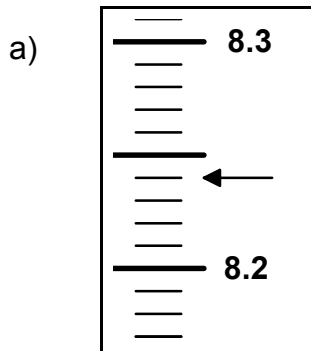# Mathematics Homework
Block 5
Fractions, decimals and percentages Level 3

SHOW ALL WORKING!

Fractions, decimals and percentages

1. Which numbers are the arrows pointing to in the two diagrams below?

    a) **8.3**

    8.2

    b) **6.9**   **7.0**   **7.1**

2. Set down the following correctly and work out the answer to each;-
    a) 5.4 + 7.9   b) 10.8 - 9.97   c) 50.7 x 8   d) $320.46 \div 7$

3. Write down the answers to the following;-
    a) 0.037 x 100   b) 1000 x 17.4   c) $487.1 \div 10$ d) $516 \div 1000$

4. Round the following numbers to **one decimal place**;-
    a) 71.949   b) 214.551   c) 0.0861

5. Write each fraction below in it's **simplest form**;-
    a) $\frac{6}{12}$ b) $\frac{25}{30}$ c) $\frac{18}{24}$

6. Work out the following,
    a) $\frac{1}{4}$ of £28   b) $\frac{2}{3}$ of 27p   c) $\frac{6}{7}$ of 378 grams

7. Change the following **fractions** into **percentages**,
    a) $\frac{1}{5}$ b) $\frac{9}{10}$ c) $\frac{7}{8}$

8. Calculate;-
    a) 40% of £1.50   b) 5% of £7.80   c) $33\frac{1}{3}$% of £12

9. Of the 1008 houses built in the new Knightswood Estate, $\frac{5}{6}$ths of them have a garage. $\frac{7}{8}$ths of these garages were found to have a faulty door.

    a) How many houses were built with a garage?

    b) How many garages did NOT have a faulty door?