

## S1 Homework 8

$$\begin{array}{r} 1) \quad 8 \ 7 \ 6 \\ + 5 \ 0 \ 8 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 8 \ 0 \ 1 \\ - 2 \ 7 \ 8 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 3 \ 8 \ 7 \\ \times \quad 7 \\ \hline \end{array}$$

$$4) \quad \begin{array}{r} 7 \overline{) 7 \ 8 \ 4} \end{array}$$

5) Round these numbers as directed :-

- a) 1237 to the nearest 10
- b) 8698 to the nearest 100
- c) 1204 to the nearest 10
- d) 7951 to the nearest 100

6) On a chicken farm there are eight sheds and in each shed there are 12 cages and in each cage there are 150 chickens. How many chickens are there altogether?

- 7) a) Write down all the multiples of 2 between 30 and 40.  
b) Write down all the multiples of 4 between 30 and 40.  
c) Write down all the multiples of 8 between 30 and 40.  
d) Write down all the prime numbers between 30 and 40.  
e) Write down a factor of 99 which is between 30 and 40.

8) Calculate: -

(a)  $\frac{1}{3}$  of 429

(b)  $\frac{1}{3}$  of 385

(c)  $\frac{1}{3}$  of 476

(d)  $\frac{1}{3}$  of 518

9) Ian left his house at 7:25am. It took him 10 minutes to walk to his bus stop where he waited 7 minutes for his bus. The bus journey to the city centre took 25 minutes. Did he get there before eight o'clock? Remember to explain your answer.

[JMC 2004 Q3] The year 2004 has the units digit equal to twice the thousands digit. How many years will it be before this next happens?