**1**    By rounding each number to the nearest 10, estimate the value of    262 ÷ 19.8

**[2 marks]**

Answer _____

**2**     Freddie tries to work out     $\dfrac{29.15 + 83.47}{9.82}$

His answer is 37.65

By rounding each number to the nearest 10, show that his answer is incorrect.

**[3 marks]**

**3** The number of people living in a town is 47 000 to the nearest 1000

Which **one** of these is a possible number of people living in the town?

Circle your answer.

**[1 mark]**

46 000        46 500        47 500        48 000

**4** By rounding each number to the nearest 10, estimate the value of $31 \times 18$

**[3 marks]**

Answer _____

**5** Millie is estimating the value of $\dfrac{1}{\left(\sqrt[3]{8.34}\right)^2 \times 10.21}$

She rounds each decimal number to 1 significant figure.

**5 (a)** Work out Millie's estimate.

You **must** show your working.

**[2 marks]**

Answer _____

**5 (b)** Millie says,

"My estimate must be more than the exact value."

**Without working out the exact value**, give a reason how she can know this.

**[1 mark]**