1 The distance between Singapore and Sydney is 6300 km correct to the nearest 100 km.
A businessman travelled from Singapore to Sydney and then back to Singapore.
He did this six times in a year.
Between what limits is the total distance he travelled?

Answer .... km ⩽ total distance travelled < .... km [2]

MARK SCHEME:

75000 76200	2*	**B1 B1** or **M1** 6250, 6350 seen

2 **(a)** 32 493 people were at a football match.
Write this number to the nearest thousand.

Answer (a).. [1]

(b) At another match there were 25 500 people, to the nearest hundred.
Complete the inequality about *n*, the number of people at this match.

Answer (b)..................⩽ *n* < ....[2]

3 Write the number 2381.597 correct to

(a) 3 significant figures,

Answer(a) .... [1]

(b) 2 decimal places,

Answer(b) .... [1]

(c) the nearest hundred.

Answer(c) .... [1]

MARK SCHEME:

(a)	238<u>0</u>	**1**	
(b)	2381.6<u>0</u>	**1**	
(c)	2400	**1**	

4 There are 30 000 lions in Africa.
The number of lions in Africa decreases exponentially by 2% each year.

Find the number of lions in Africa after 6 years.
Give your answer correct to the nearest hundred.

.... [2]

MARK SCHEME:

26 600 cao	2	**M1** for $30000 \times \left(1 - \dfrac{2}{100}\right)^{6}$ oe