Rounding decimals - answers

The answers are given below.

1. Round each of these lengths to the nearest whole number.

Length, m	Nearest whole number
16.2	**16**
80.4	**80**
56.7	**57**
1.05	**1**
100.56	**101**
289.099	**289**

2. Estimate the total cost of these items by rounding each one to the nearest whole number.

Cost	Nearest £
£22.57	**23**
£1.08	**1**
£0.97	**1**
£19.49	**19**
£99.09	**99**
£31.50	**32**
Total	**175**

3. Hal did some work using his calculator and rounded off each answer to two decimal points. but he made some mistakes. Correct any errors you find

Calculator	Hal's answer	Correct answer
1.9049	1.91	**1.90**
23.005	23.01	**23.01**
56.6666666	56.66	**56.67**
9.3333333	9.33	**9.33**
42.94495	42.95	**42.94**
0.05092	0.05	**0.05**

4. Check Chris's estimates and tick True or False for each.

Calculation	Approximation	True	False
21.1 × 4.9	20 × 5 = 1000		✓
70.9 × 11.6	70 × 10 = 700	✓	
149.9 × 3.66	150 × 4 = 60		✓
9.09 × 599.1	10 × 600 = 6000	✓	