

## Rounding and ordering

- Read, write, order and compare numbers with up to 3 decimal places
- Round decimals with 2 decimal places to the nearest whole number and to 1 decimal place



Challenge 1

- 1 Round these hundredths to the nearest whole number. You could use a number line to help you.

- a 7.61    b 5.72    c 9.14    d 1.96  
e 3.55    f 5.39    g 6.87    h 2.46

- 2 Put these thousandths in order, smallest to largest.

- a 1.873, 1.265, 1.326, 1.587    b 4.615, 4.972, 4.355, 4.738  
c 6.478, 6.013, 6.592, 6.308    d 2.198, 2.062, 2.643, 2.465  
e 5.752, 5.391, 5.408, 5.635    f 3.992, 3.442, 3.881, 3.117

I know 4.26 rounds down to 4 and 4.83 rounds up to 5.



Challenge 2

- 1 Draw a table like the one shown with a total of 13 rows. Write the numbers below in the middle column. Round the numbers to the nearest tenth and whole number. The first two have been done for you.

Nearest whole number	Nearest tenth	Number	Nearest tenth	Nearest whole number
3	3.2	3.21		
5		5.36	5.4	
		4.78		

Rounds down      Rounds up

- a 3.21    b 5.36    c 4.78    d 8.92    e 1.45    f 7.51  
g 6.98    h 9.08    i 5.34    j 2.72    k 6.15    l 7.89

- 2 Put these thousandths in order, smallest to largest.

- a 2.762, 2.812, 2.081, 2.315, 2.852, 2.301  
b 5.926, 5.222, 5.817, 5.133, 5.562, 5.001  
c 4.018, 4.003, 4.081, 4.088, 4.011, 4.013  
d 7.987, 7.879, 7.998, 7.898, 7.997, 7.888  
e 3.252, 2.522, 2.555, 2.525, 2.552, 2.225  
f 8.126, 8.129, 8.012, 8.029, 8.192, 8.014

- 3 Add one thousandth to each of these numbers.

a 2.898    b 4.129    c 6.999    d 8.009    e 3.111  
f 6.001    g 4.517    h 5.923    i 4.003    j 7.569

Challenge 3

- 1 Explain how to round decimal numbers with 2 places to the nearest decimal with 1 place.

- 2 Write these decimal numbers in order, smallest to largest.

- a 6.962, 6.262, 6.002, 6.669, 6.609, 6.996  
b 2.872, 2.83, 2.982, 2.91, 2.992, 2.19  
c 4.3, 4.35, 4.03, 4.55, 4.5, 4.05  
d 7.265, 7.26, 7.65, 7.652, 7.625, 7.62  
e 0.37, 0.3, 0.73, 0.7, 0.77, 0.33  
f 5.005, 5.05, 5.5, 5.505, 5.015, 5.1

