Comparing and rounding decimals

- Compare decimals with up to 2 places
- Round decimals with 1 decimal place to the nearest whole number



Challenge 1

1 Count on ten hundredths from each of these decimals.

a 4·2	b 3·65	c 4·18	d 7·1	e 5·53
f 7·26	g 8·5	h 9·41	i 11·3	j 12·5



2 Round these decimals to the nearest whole number.

a 2·7	b 3·9	c 7·5	d 8·3	e 9·6
f 10·4	g 12·5	h 12·1	i 14·8	j 15·2

Challenge 2

1 Order these decimal numbers, smallest to largest.

a 4·5, 4·9, 4·1, 4·7, 4·4

b 6·87, 6·08, 6·88, 6·18, 6·48

c 8·46, 7·48, 8·14, 7·53, 7·21, 8·05

d 12·64, 12·81, 12·46, 12·66, 12·18

e 16·61, 16·16, 16·66, 16·11, 16·01

f 18·4, 19·1, 18·7, 19·5, 18·3

2 Write the two whole numbers each of these decimals comes between. Then circle the whole number that the decimal number rounds up or down to.

a 13·4	b 18·2	c 16·9	d 11·1
e 15·7	f 19·5	g 25·6	h 28·8

Challenge 3

1 Fill in the spaces with decimal numbers, keeping the numbers in order.

a 13·8, ____, 14·1, ____, ____, 14·8, ____, ____, 15·3

b 15·99, ____, 16·06, ____, ____, 16·36, ____, 16·51

c 20·01, ____, ____, 20·09, ____, ____, 20·19, ____, 20·29

d 23·7, ____, 23·9, ____, ____, 24·9, ____, ____, 25·1



2 Explain the rule for rounding numbers with 1 decimal place.

3 Jasmine is 1·4 metres tall, rounded to 1 decimal place and Jim is 1·39 metres tall. Jasmine is actually smaller than Jim. Explain how this can be.