

Friday: Rounding Decimals

Answers including Challenge

Remember when rounding always look at the column to the right of the digit you are rounding.

5 or more, round up. 4 or less the digit stays the same.

Example:

To round numbers to the nearest whole number: $5.18 = 5$. This is because we are rounding to the nearest **WHOLE** number, we look to the first digit after the decimal point to see if the whole number will stay the same or round up. We see that the digit is a 1 which means the 5 remains the same. **We don't need to include the digits after the decimal point as it is asking for the nearest whole number.**

To round numbers to the nearest tenth: $5.18 = 5.2$. This is because we are rounding to the nearest **TENTH**, so we look at the digit in the hundredths column. We can see that the digit is 8, we know that this tells us we need to round the digit in the tenths column up. So our answer becomes 5.2, again **we don't need to include the hundredths digit as we are rounding to the nearest tenth, or 1 decimal place (dp).**

Activity:

Round to the nearest WHOLE NUMBER:

- 1) 2.39 2) 7.138 3) 1.85 4) 16.074 5) 9.52
1) 2 2) 7 3) 2 4) 16 5) 10

Round to the nearest TENTH:

- 6) 3.263 7) 8.947 8) 15.63 9) 4.453 10) 0.78
6) 3.3 7) 8.9 8) 15.6 9) 4.5 10) 0.8

CHALLENGE ANSWERS:

Round to the nearest TENTH:

- 1) 0.263 2) 3.745 3) 1.452 4) 0.179 5) 7.824
1) 0.3 2) 3.7 3) 1.5 4) 0.2 5) 7.8

Round to the nearest HUNDREDTH:

- 6) 2.397 7) 0.036 8) 4.981 9) 8.505 10) 5.658
6) 2.4 7) 0.0 8) 4.98 9) 8.51 10) 5.66

