

Session 1 - Rounding Recap

If it's 5 or above, give it a SHOVE! Pay attention to which place value you are being asked to round to.

Reminder: Round **476** to the nearest 10 = 480

Round **476** to the nearest 100 = 500

Rounding to the nearest 10.

- 1) 63
- 2) 549
- 3) 173
- 4) 428
- 5) 1846
- 6) 3571
- 7) 4935
- 8) 12,589
- 9) 63,428
- 10) 96,458

Rounding to the nearest 100.

- 1) 85
- 2) 527
- 3) 819
- 4) 2486
- 5) 3476
- 6) 2813
- 7) 6718
- 8) 12,476
- 9) 34,207
- 10) 84,421

Rounding to the nearest 1000.

- 1) 549
- 2) 284
- 3) 2719
- 4) 6475
- 5) 17,591
- 6) 42,806
- 7) 85,467
- 8) 124,846
- 9) 345,217
- 10) 438,108

Rounding to the nearest 10,000.

- 1) 45,895
- 2) 68,109
- 3) 74,548
- 4) 62,249
- 5) 247,648
- 6) 547,313
- 7) 671,194
- 8) 358,427
- 9) 186,422
- 10) 658,245

Session 2 - Rounding Decimals

In this session, I would recommend using a place value chart and a number line to support you.

Please watch the video below. It will help explain *how* and *why* we round decimals. It is very similar to rounding whole numbers.

<https://www.youtube.com/watch?v=AWieLNN7nCU>

Questions

1. Round to the nearest whole number:
 - a) 3.3
 - b) 5.8
 - c) 16.9
 - d) 435.7
 - e) 125.5

2. a)

Use the number lines to round 3.24 to the nearest tenth and the nearest whole number.

3.2 3.25 3.3

3 3.5 4

- b) Draw a number line to round 4.23 to the nearest tenth.
- c) Draw a number line to round 5.68 to the nearest tenth.
- d) Draw a number line to round 7.25 to the nearest tenth.
- e) Draw a number line to round 8.92 to the nearest tenth.



Additional Challenge Questions:

Dexter is measuring a box of chocolates with a ruler that measures in centimetres and millimetres.



He measures it to the nearest cm and writes the answer 28 cm.
What is the smallest length the box of chocolates could be?

Whitney is thinking of a number.



Rounded to the nearest whole her number is 4

Rounded to the nearest tenth her number is 3.8

Write down at least 4 different numbers that she could be thinking of.

Session 3 - Rounding Record

For this session I would like to you accurately measure (to 1 decimal place) objects, people or animals around your house. In the table below, record what it is, the accurate measurement (using the correct unit of measurement) and then round it to the nearest whole number.

1) Complete this table

Object/ Name	Measurement (to 1 decimal place)	Round
Water bottle	15.5cm	16cm
Total		

2) What was the greatest measurement taken?

3) What was the smallest measurement recorded?

4) Can you find the difference between the greatest and the smallest before it was rounded?

5) Can you find the difference between the greatest and the smallest measurement after it was rounded?



6) Can you think of an example of when we might use rounding in everyday life?

7) Why is rounding useful in mathematics?

Session 4 – Ordering Decimals

Cut out the strips and order the decimals.

Draw and use a number line to help you.

6.4	6.04	6.41	61.4	6.14
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3.27	32.7	3.07	3.72	27..3
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16.04	1.64	10.6	16.4	1.46
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67.1	6.17	61.07	67.01	6.71
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10.01	1.01	100.01	10.11	101.01
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42.32	42.04	42.3	42.23	40.32
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Put these measurements in *ascending* order:

124cm

0.75m

65mm

1.4m

1.1km

Top Tip...Convert them into the same unit of measurement

