

Homework/Extension

Step 5: Round Decimals

National Curriculum Objectives:

Mathematics Year 4: (4F8) [Compare numbers with the same number of decimal places up to two decimal places](#)

Mathematics Year 4: (4F7) [Round decimals with one decimal place to the nearest whole number](#)

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)

Developing Rounding decimals to the nearest whole number using tenths. Fully-labelled number line to support; no 0.5s used.

Expected Rounding decimals to the nearest whole number using tenths. Partially-labelled number line for support; all tenth values used.

Greater Depth Rounding decimals to the nearest whole number using tenths. Partially-labelled number lines. Unconventional partitioning used. Decimals given in words and numbers.

Questions 2, 5 and 8 (Varied Fluency)

Developing Decide if numbers with one decimal place have been rounded correctly. Fully labelled number line for support; no 0.5s used.

Expected Decide if numbers with one decimal place have been rounded correctly; all tenth values used.

Greater Depth Decide if numbers with one decimal place have been rounded correctly. Decimals given in words and numbers.

Questions 3, 6 and 9 (Reasoning and Problem Solving)

Developing Identify a decimal from the clues provided. 3 options to choose from. No 0.5s used.

Expected Identify a decimal from the clues provided. 5 options to choose from. All tenth values used.

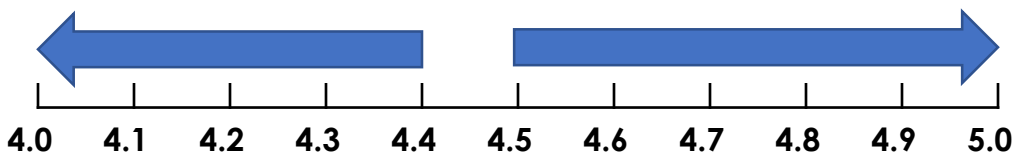
Greater Depth Identify a decimal from the clues provided. 5 options to choose from. All tenths values used. Unconventional partitioning used. Decimals given in words and numbers

More [Year 4 Decimals](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

Round Decimals

1. Round these decimals to the nearest whole number.

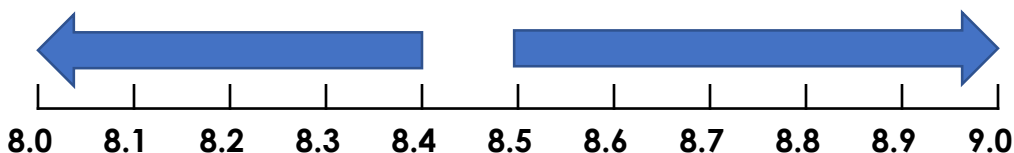


4.7	⇒	4.3	⇒
4.1	⇒	4.2	⇒
4.6	⇒	4.4	⇒
4.8	⇒	4.9	⇒



VF
HW/Ext

2. The decimal numbers have been rounded correctly. True or false?



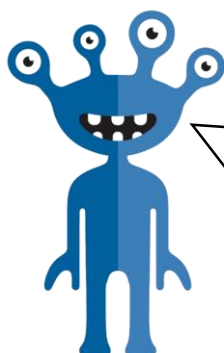
	True or false
8.1 rounded to the nearest whole number is 8.0	
8.9 rounded to the nearest whole number is 8.0	
8.4 rounded to the nearest whole number is 4.0	
8.6 rounded to the nearest whole number is 9.0	



VF
HW/Ext

3. Choose the correct height for each alien. Explain your answer.

5.7m	6.4m	6.3m
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Quadro

My height rounds up to 6m. It is an odd number.



Mono

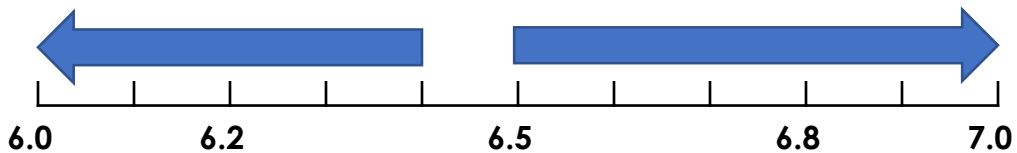
My height rounds down to 6m. It is an even number.



RPS
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Round Decimals

4. Round these decimals to the nearest whole number.



6.7 →	6.4 →	6.3 →
6.1 →	6.9 →	6.5 →
6.6 →	6.2 →	6.8 →



VF
HW/Ext

5. The decimal numbers have been rounded correctly. True or false?

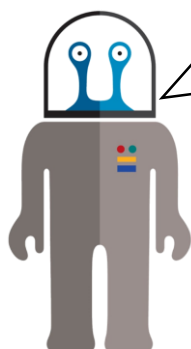
	True or false
7.1 rounded to the nearest whole number is 7.0	
8.9 rounded to the nearest whole number is 8.0	
6.5 rounded to the nearest whole number is 6.0	
5.4 rounded to the nearest whole number is 5.0	
4.3 rounded to the nearest whole number is 4.5	
3.2 rounded to the nearest whole number is 3.0	



VF
HW/Ext

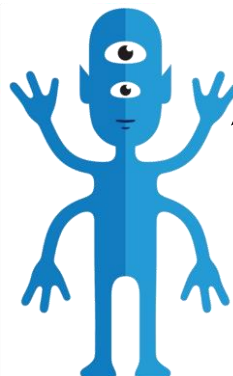
6. Choose the correct height for each alien. Explain your answer.

4.7m	5.1m	5.2m	4.9m	4.6m
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Zog

My height rounds up to 5m. It is an odd number. The total of the digits is 11.



Oola

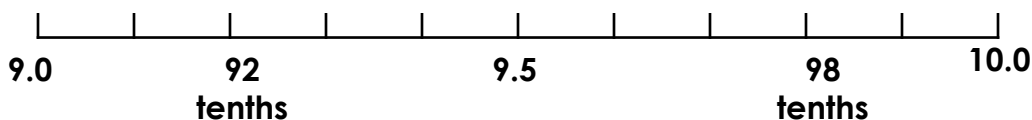
My height also rounds up to 5m but I am taller than Zog.



RPS
HW/Ext

Round Decimals

7. Round these decimals to the nearest whole number.



9.7	⇒	94 tenths	⇒	9.3	⇒
91 tenths	⇒	9.9	⇒	9.5	⇒
9.6	⇒	92 tenths	⇒	98 tenths	⇒



VF
HW/Ext

8. The decimal numbers have been rounded correctly. True or false?

	True or false
0.1 rounded to the nearest whole number is 1.0	
9.9 rounded to the nearest whole number is 10.0	
75 tenths rounded to the nearest whole number is 8	
2.4 rounded to the nearest whole number is 2.0	
6.8 rounded to the nearest whole number is 6.0	
2 tenths rounded to the nearest whole number is 2.0	



VF
HW/Ext

9. Choose the correct height for each alien. Explain your answer.

6.7m	5m and 2.3m	7.2m	6.9m	4.6m and 2m
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Moomin

My height rounds up to 7m. It is an odd number greater than 68 tenths.



Triock

I am taller than Moomin. My height rounds down to 7m and is an odd number.



RPS
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Homework/Extension Round Decimals

Developing

1. $4.7 - 5.0$, $4.3 - 4.0$,
 $4.1 - 4.0$, $4.2 - 4.0$,
 $4.6 - 5.0$, $4.4 - 4.0$,
 $4.8 - 5.0$, $4.9 - 5.0$.
2. True, False, False, True.
3. Quadro is 5.7m. 5.7m rounds up to 6m and is an odd number.
Mono is 6.4m. 6.4m rounds down to 6m and is an even number.

Expected

4. $6.7 - 7.0$, $6.4 - 6.0$, $6.3 - 6.0$,
 $6.1 - 6.0$, $6.9 - 7.0$, $6.5 - 7.0$,
 $6.6 - 7.0$, $6.2 - 6.0$, $6.8 - 7.0$
5. True, False, False, True, False, True.
6. Zog is 4.7m. 4.7m rounds up to 5m. It is an odd number. The total of 4 and 7 is 11.
Oola is 4.9m. 4.9m rounds up to 5m and is greater than 4.7m.

Greater Depth

7. $9.7 - 10.0$, 94 tenths $- 9.0$, $9.3 - 9.0$,
91 tenths $- 9.0$, $9.9 - 10.0$, $9.5 - 10.0$,
 $9.6 - 10.0$, 92 tenths $- 9.0$, 98 tenths $- 10.0$.
8. False, True, True, True, False, False.
9. Moomin is 6.9m. 6.9m rounds up to 7m. It is an odd number greater than 68 tenths (6.8).
Triock is 7.3m (5m and 2.3m). 7.3m is greater than 6.9m and is an odd number.