

Rounding Decimals

1a. Move through the maze by circling numbers that round to 7.

Start

6.6	6.4	4.8	5.9
6.9	7.5	6.3	8.2
7.2	6.8	7.1	6.1
7.6	6.4	6.5	7.3

Finish



PS

Rounding Decimals

1b. Move through the maze by circling numbers that round to 9.

Start

8.7	9.4	8.2	9.7
9.5	8.6	9.6	8.1
8.4	9.3	8.5	9.1
9.9	8.3	9.8	9.2

Finish



PS

2a. I'm thinking of a number with 1 decimal place.

- The tenth is an odd number.
- When rounded to the nearest whole number, my number is 6.

What could my number be?



PS

2b. I'm thinking of a number with 1 decimal place.

- The tenth is an even number.
- When rounded to the nearest whole number, my number is 8.

What could my number be?



PS

3a. Micha has been rounding 5.5. She says,



5.5 rounded to the nearest whole number is 5.

Is she correct? Prove it.



R

3b Gavin has been rounding 9.2. He says,



9.2 rounded to the nearest whole number is 8.

Is he correct? Prove it.



R

Rounding Decimals

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4a. Move through the maze by circling numbers where the tenth is rounded to 6 tenths.

Start

5.57	8.63	9.55	8.67
6.54	7.65	1.58	4.52
2.69	9.53	8.64	5.56
3.68	2.68	1.51	7.61

Finish



PS



PS

4b. Move through the maze by circling numbers where the tenth is rounded to 4 tenths.

Start

3.36	2.56	4.29	1.09
5.42	6.39	7.49	8.65
8.48	7.38	9.44	6.33
9.62	5.04	3.37	6.41

Finish



PS



PS

5a. I'm thinking of a number with 2 decimal places.

- The hundredth is an odd number.
- The tenth is an even number.
- When rounded to the nearest tenth, my number is 5.4.
- When rounded to the nearest whole number, my number is 5.

What could my number be?



PS

5b. I'm thinking of a number with 2 decimal places.

- The hundredth is an even number.
- The tenth is an odd number.
- When rounded to the nearest tenth, my number is 7.6.
- When rounded to the nearest whole number, my number is 8.

What could my number be?



PS

6a. Tiana has been rounding 7.49. She says,



7.49 rounded to the nearest tenth is 7.5.

7.49 rounded to the nearest whole number is 8.

Is she correct? Prove it.



R

6b Bruce has been rounding 5.95. He says,



5.95 rounded to the nearest tenth is 6.

5.95 rounded to the nearest whole number is 6.

Is he correct? Prove it.



R

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7a. Move through the maze by circling numbers where the tenth is rounded to 8 tenths.

Start

6.792	3.824	8.862	2.744
9.732	7.777	2.719	7.874
8.859	8.801	1.768	4.861
0.891	4.733	9.819	5.785

Finish



PS



PS

7b. Move through the maze by circling numbers where the tenth is rounded to 3 tenths.

Start

9.308	3.357	5.212	8.207
4.341	7.229	8.399	5.371
7.294	1.329	5.361	7.242
3.376	5.285	6.319	2.257

Finish



PS



PS

8a. I'm thinking of a number with 3 decimal places.

- The thousandth is an odd number > 0.005 .
- The hundredth is an even number.
- The tenth is an odd number.
- When rounded to the nearest tenth, my number is 4.3.
- When rounded to the nearest whole number, my number is 4.

What could my number be?



PS



PS

8b. I'm thinking of a number with 3 decimal places.

- The thousandth is an odd number < 0.005 .
- The hundredth is an odd number.
- The tenth is an even number.
- When rounded to the nearest tenth, my number is 6.7.
- When rounded to the nearest whole number, my number is 7.

What could my number be?



PS



PS

9a. Molly has been rounding 3.608. She says,



3.608 rounded to the nearest tenth is 3.7.

3.608 rounded to the nearest whole number is 4.

Is she correct? Prove it.



R

9b Sunil has been rounding 9.095. He says,



9.095 rounded to the nearest tenth is 9.1.

9.095 rounded to the nearest whole number is 10.

Is he correct? Prove it.



R