Tricky - Rounding

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

D

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?

D

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.

D

R

Trickier - Rounding

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

E   PS

E   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.**

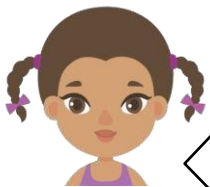**What could my number be?**

E   PS

E   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.

E   R

E   R

Trickiest - Rounding Decimals

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

GD   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?

GD   PS

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

GD   R

> **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.

GD   R

Reasoning and Problem Solving
Rounding Decimals

Tricky

1a.

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

2a. Possible answers: 5.5, 5.7, 5.9, 6.1 or 6.3

3a. Micha is incorrect. The 5 tenths rounds the whole number up to 6.

Trickier

4a.

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

5a. Possible answers: 5.41 or 5.43

6a. Tiana's first statement is correct. Her second is incorrect. 7.49 rounded to the nearest whole number is 7.

Trickiest

7a.

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

8a. Possible answers: 4.307, 4.309, 4.327, 4.329, 4.347 or 4.349

9a. Molly's first statement is incorrect. 3.608 rounded to the nearest tenth is 3.6. Her second statement is correct.