

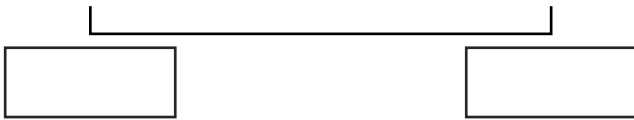
Decimal Rounding

To round decimal numbers to the nearest whole number and to one decimal place.

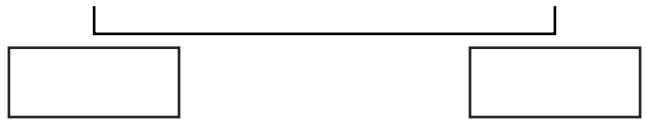


1. Round each number to the nearest whole number. Use the number lines to identify the whole numbers either side and whether to round up or down.

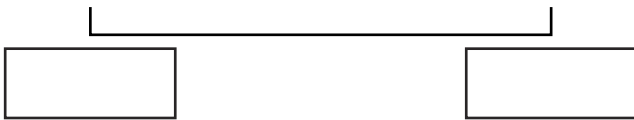
a. 4.99



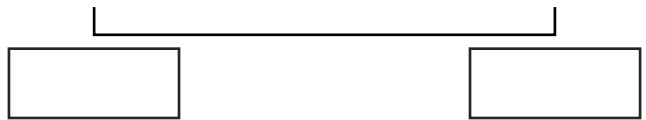
b. 24.9



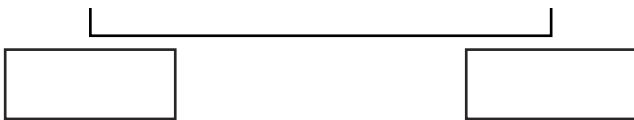
c. 12.09



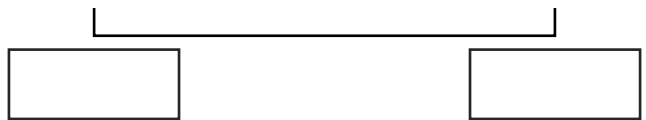
d. 12.90



e. 13.03



f. 13.30



2. Complete the table. Use blank number lines to help answer each question if needed.

	Round to the nearest whole number	Round to the nearest tenth
9.8		
90.8		
20.79		
132.49		
49.90		
55.55		
199.74		
132.47		

Decimal Rounding Answers

1. Round each number to the nearest whole number. Use the number lines to identify the whole numbers either side and whether to round up or down.

- a. **4.99 rounds up to 5.**
- b. **24.9 rounds up to 25.**
- c. **12.09 rounds down to 12.**
- d. **12.9 rounds up to 13.**
- e. **13.03 rounds down to 13.**
- f. **13.3 rounds down to 13.**

2. Complete the table. Use blank number lines to help answer each question if needed.

	Round to the nearest whole number	Round to the nearest tenth
9.8	10	9.8
90.8	91	90.8
20.79	21	20.8
132.49	132	132.5
49.90	50	49.9
55.55	56	55.6
199.74	200	199.7
132.47	132	132.5

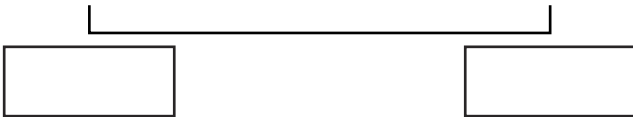
Decimal Rounding

To round decimal numbers to the nearest whole number and to one decimal place.

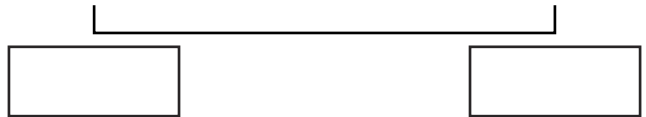


1. Round each number to the nearest tenth. Use the number lines to identify the tenths numbers either side and whether to round up or down.

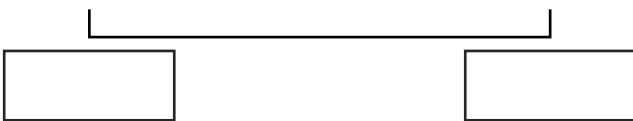
a. 90.55



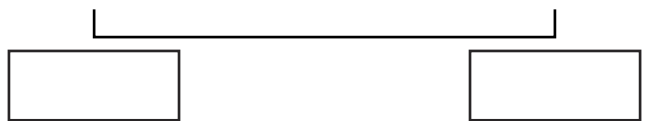
b. 90.99



c. 132.49



d. 745.91



2. Complete the table. Use blank number lines to help answer each question if needed.

	Round to the nearest whole number	Round to the nearest tenth
75.44		
49.90		
55.55		
199.94		
132.45		
999.98		
1 010.12		
9 090.93		

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

Start

3.73	1.66	6.62	1.79
3.62	2.69	9.72	8.65
2.78	4.78	3.64	6.73
19.82	15.64	5.77	6.69

End

Decimal Rounding Answers

1. Round each number to the nearest tenth. Use the number lines to identify the tenths numbers either side and whether to round up or down.

a. **90.55 rounds up to 90.6.**

b. **90.99 rounds up to 91.0.**

c. **132.49 rounds up to 132.5.**

d. **745.91 rounds down to 745.9.**

2. Complete the table. Use blank number lines to help answer each question if needed.

	Round to the nearest whole number	Round to the nearest tenth
75.44	75	75.4
49.90	50	49.9
55.55	56	55.6
199.94	200	199.9
132.45	132	132.5
999.98	1 000	1 000
1 010.12	1 010	1 010.1
9 090.93	9 091	9 090.9

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

Start

3.73	1.66	6.62	1.79
3.62	2.69	9.72	8.65
2.78	4.78	3.64	6.73
19.82	15.64	5.77	6.69

End

Decimal Rounding

To round decimal numbers to the nearest whole number and to one decimal place.



1. Complete the table.

	Round to the nearest whole number	Round to the nearest tenth
1 132.49		
149.90		
555.55		
6199.97		
2 132.43		
6 899.98		
11 010.14		
29 090.92		

2. Move through the maze by circling the numbers where the tenth is rounded to 9 tenths. You may only move down or across.

Start

19.89	22.90	19.78	34.77	120.1	1010.2	13.51	20.44	1247.53
19.99	121.85	20.92	34.80	120.43	121.66	78.77	9.93	98.88
12.77	121.33	13.88	1.89	34.99	999.9	9.78	35.99	16.78
67.77	146.77	78.54	1 212.91	78.89	9.89	333.33	16.68	135.88
16.98	455.79	9.01	20.89	0.89	100.85	1 190.85	11.88	12.09
20.99	16.88	142.77	9.94	9.8	10.09	9.9	12.97	121.85

End

3. I am thinking of a number.

- The hundredth digit is odd.
- The digit total is 10.
- Rounded to the nearest tenth, the number is 13.50.

What is my number? Is there more than one possible answer?

Decimal Rounding Answers

1. Complete the table.

	Round to the nearest whole number	Round to the nearest tenth
1 132.49	1132	1 132.5
149.90	150	149.9
555.55	556	555.6
6199.97	6200	6 200.0
2 132.43	2132	2 132.4
6 899.98	6900	6900.0
11 010.14	11 010	11 010.1
29 090.92	29 091	29 090.9

2. Move through the maze by circling the numbers where the tenth is rounded to 9 tenths. You may only move down or across.

Start

19.89	22.90	19.78	34.77	120.1	1010.2	13.51	20.44	1247.53
19.99	121.85	20.92	34.80	120.43	121.66	78.77	9.93	98.88
12.77	121.33	13.88	1.89	34.99	999.9	9.78	35.99	16.78
67.77	146.77	78.54	1 212.91	78.89	9.89	333.33	16.68	135.88
16.98	455.79	9.01	20.89	0.89	100.85	1 190.85	11.88	12.09
20.99	16.88	142.77	9.94	9.8	10.09	9.9	12.97	121.85

End

3. I am thinking of a number.

- The hundredth digit is odd.
- The digit total is 10.
- Rounded to the nearest tenth, the number is 13.50.

What is my number? Is there more than one possible answer?

As the digit total is 10, 13.51 is the only possible number which rounds to 13.5.

The number is 13.51.