

# Rounding Decimal Numbers to the Nearest Tenth

**Learning Objective:** I can round a decimal number to the nearest tenth.

Mark each decimal number on the number line, and use this to round the decimal number to the nearest tenth:

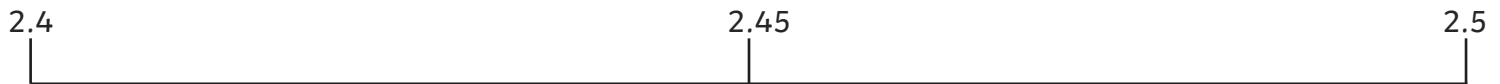
Example:

Mark 4.64 on the number line, then round it to the nearest tenth.



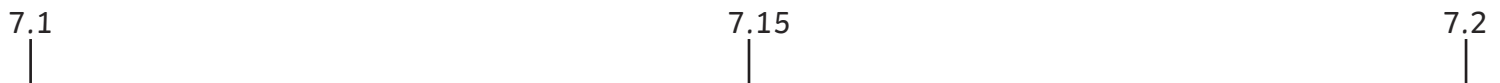
4.64 rounded to the nearest tenth is 4.6.

1. Mark 2.47 on the number line, then round it to the nearest tenth.



2.47 rounded to the nearest tenth is \_\_\_\_\_

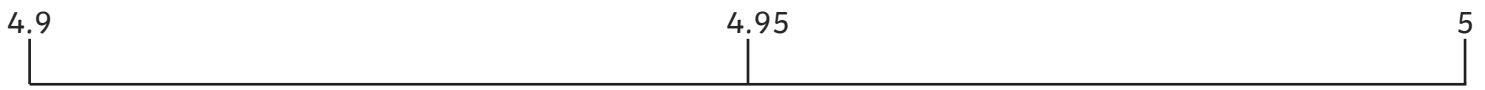
2. Mark 7.12 on the number line, then round it to the nearest tenth.



7.12 rounded to the nearest tenth is \_\_\_\_\_

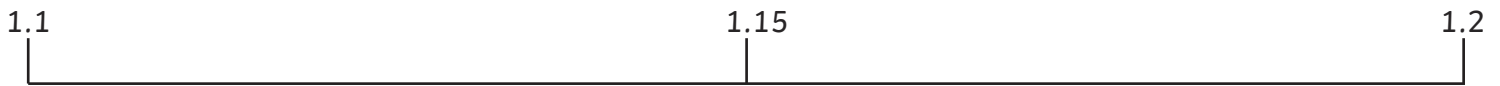
# Rounding Decimal Numbers to the Nearest Tenth

3. Mark 4.94 on the number line, then round it to the nearest tenth.



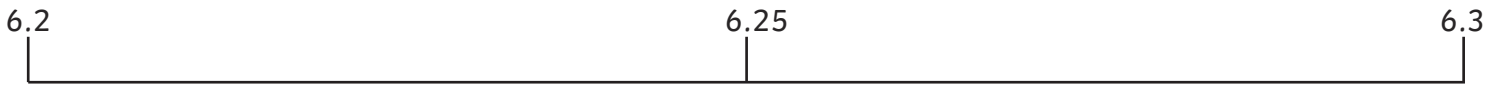
4.94 rounded to the nearest tenth is \_\_\_\_\_

4. Mark 1.15 on the number line, then round it to the nearest tenth.



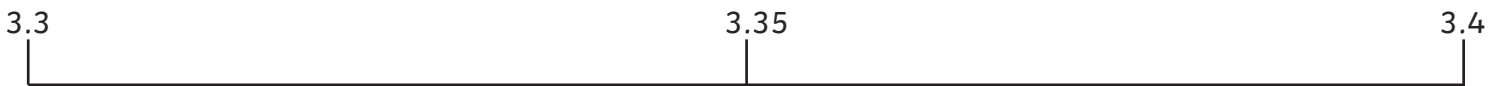
1.15 rounded to the nearest tenth is \_\_\_\_\_

5. Mark 6.29 on the number line, then round it to the nearest tenth.



6.29 rounded to the nearest tenth is \_\_\_\_\_

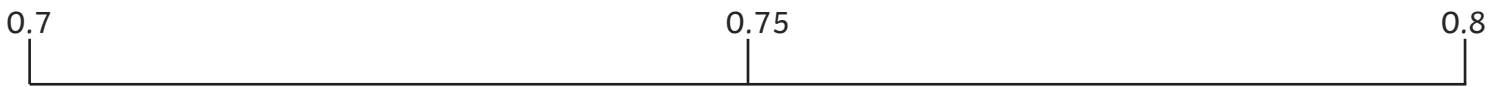
6. Mark 3.33 on the number line, then round it to the nearest tenth.



3.33 rounded to the nearest tenth is \_\_\_\_\_

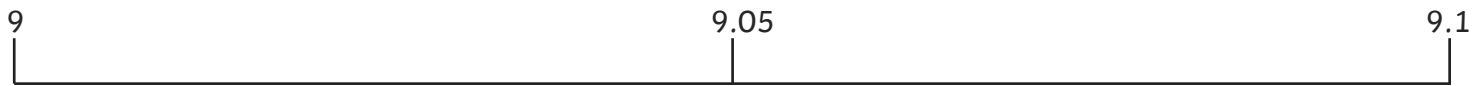
# Rounding Decimal Numbers to the Nearest Tenth

7. Mark 0.76 on the number line, then round it to the nearest tenth.



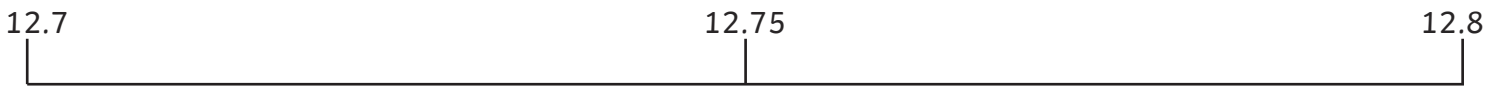
0.76 rounded to the nearest tenth is \_\_\_\_\_

8. Mark 9.01 on the number line, then round it to the nearest tenth.



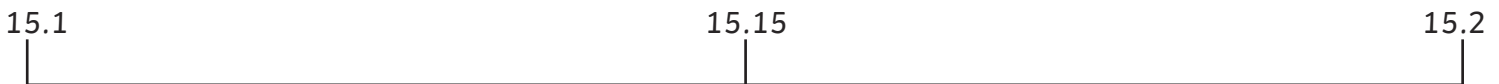
9.01 rounded to the nearest tenth is \_\_\_\_\_

9. Mark 12.73 on the number line, then round it to the nearest tenth.



12.73 rounded to the nearest tenth is \_\_\_\_\_

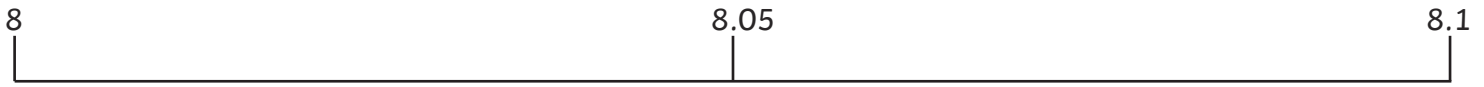
10. Mark 15.18 on the number line, then round it to the nearest tenth.



15.18 rounded to the nearest tenth is \_\_\_\_\_

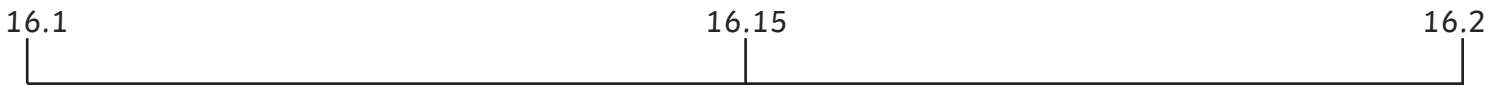
# Rounding Decimal Numbers to the Nearest Tenth

**11.** Mark 8.09 on the number line, then round it to the nearest tenth.



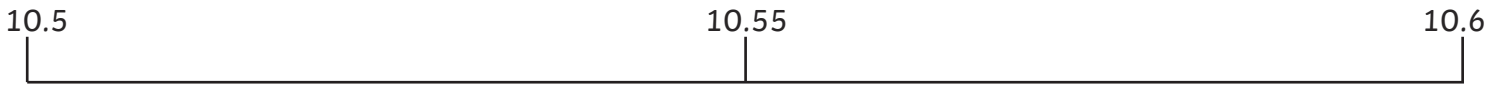
8.09 rounded to the nearest tenth is \_\_\_\_\_

**12.** Mark 16.15 on the number line, then round it to the nearest tenth.



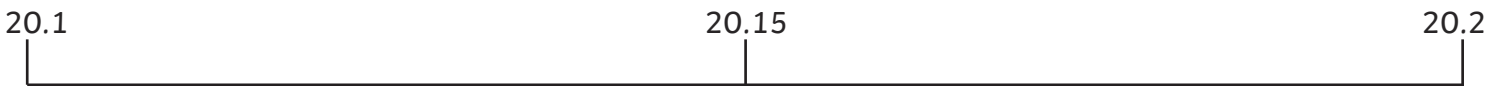
16.15 rounded to the nearest tenth is \_\_\_\_\_

**13.** Mark 10.55 on the number line, then round it to the nearest tenth.



10.55 rounded to the nearest tenth is \_\_\_\_\_

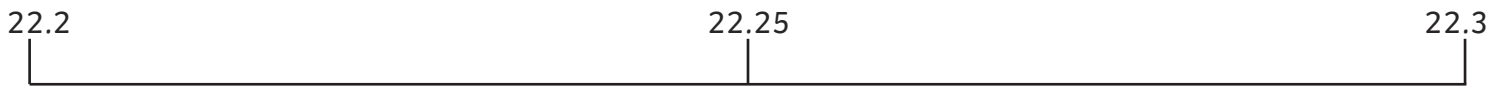
**14.** Mark 20.19 on the number line, then round it to the nearest tenth.



20.19 rounded to the nearest tenth is \_\_\_\_\_

# Rounding Decimal Numbers to the Nearest Tenth

15. Mark 22.22 on the number line, then round it to the nearest tenth.



22.22 rounded to the nearest tenth is \_\_\_\_\_

# Rounding Decimal Numbers to the Nearest Tenth Answers

1. 2.5
2. 7.1
3. 4.9
4. 1.2
5. 6.3
6. 3.3
7. 0.8
8. 9 (allow 9.0)
9. 12.7
10. 15.2
11. 8.1
12. 16.2
13. 10.6
14. 20.2
15. 22.2

# Rounding Decimal Numbers to the Nearest Tenth

1. Round the following decimals to the nearest tenth.

a) 2.24

g) 1.32

m) 2.89

b) 6.72

h) 2.76

n) 11.12

c) 2.36

i) 11.74

o) 29.89

d) 9.98

j) 12.43

p) 2.06

e) 7.81

k) 5.54

f) 0.12

l) 3.11

2. For each of the following numbers, write 4 decimals that would round to this number when rounded to the nearest tenth.

a) 16.4

d) 34.5

g) 8.8

b) 9.3

e) 61.3

h) 2.1

c) 12.1

f) 4.4

3. Draw a ring around the numbers that round to the number in the box, when rounded to the nearest tenth.

5.1

5.13 5.18 6.01 5.14 5.01

7.2

7.26 7.14 7.19 7.21 7.27

13.3

13.44 13.36 13.32 13.11 13.34

43.3

43.43 43.23 43.34 43.53 43.29

10.4

10.11 10.51 10.49 10.38 10.42

22.9

22.93 22.98 21.91 21.89 21.87

1.1

1.21 1.09 1.14 1.18 1.11

3.6

3.56 3.66 3.61 3.64 3.51

6.5

6.46 6.33 6.56 6.54 6.49

15.3

15.23 14.87 15.29 15.33 15.36

18.7

18.69 17.61 18.74 18.81 18.71

19.4

19.46 19.41 19.38 19.33 19.49

# Rounding Decimal Numbers to the Nearest Tenth Answers

Question 1.

- |         |         |         |
|---------|---------|---------|
| a) 2.2  | g) 1.3  | m) 2.9  |
| b) 6.7  | h) 2.8  | n) 11.1 |
| c) 2.4  | i) 11.7 | o) 29.9 |
| d) 10.0 | j) 12.4 | p) 2.1  |
| e) 7.8  | k) 5.5  |         |
| f) 0.1  | l) 3.1  |         |

Question 2. (Answers may vary)

Question 3.

5.1	5.13	5.18	6.01	5.14	5.01	7.2	7.26	7.14	7.19	7.21	7.27
13.3	13.44	13.36	13.32	13.11	13.34	43.3	43.43	43.23	43.34	43.53	43.29
10.4	10.11	10.51	10.49	10.38	10.42	22.9	22.93	22.98	21.91	21.89	21.87
1.1	1.21	1.09	1.14	1.18	1.11	3.6	3.56	3.66	3.61	3.64	3.51
6.5	6.46	6.33	6.56	6.54	6.49	15.3	15.23	14.87	15.29	15.33	15.36
18.7	18.69	17.61	18.74	18.81	18.71	19.4	19.46	19.41	19.38	19.33	19.49



# Rounding Decimal Numbers to the Nearest Tenth

**Learning Objective:** I can apply my knowledge of rounding decimals to the nearest tenth.

1. Write an explanation of how to round decimals to the nearest tenth.

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2. Write a scenario where it would be useful to round a decimal number to the nearest tenth.

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3. Write a question involving rounding a decimal number to a tenth. Show an incorrect answer and explain the mistake.

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4. Write a word question that involves rounding a decimal number to the nearest tenth. Give it to a partner to solve. Make any necessary improvements to the question and try another partner.

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# Rounding Decimal Numbers to the Nearest Whole Number

**Learning Objective:** I can round a decimal number to the nearest whole number.

Mark each decimal number on the number line, and use this to round the decimal number to the nearest whole number:

Example:

Mark 4.6 on the number line, then round it to the nearest whole number.



4.6 rounded to the nearest whole number is 5.

1. Mark 3.1 on the number line, then round it to the nearest whole number.



3.1 rounded to the nearest whole number is \_\_\_\_\_

2. Mark 8.2 on the number line, then round it to the nearest whole number.



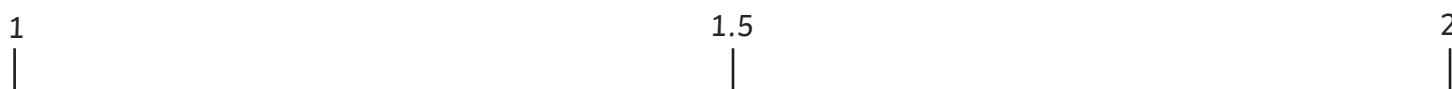
8.2 rounded to the nearest whole number is \_\_\_\_\_

**3.** Mark 7.9 on the number line, then round it to the nearest whole number.



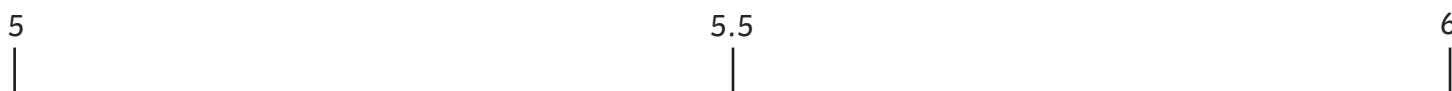
7.9 rounded to the nearest whole number is \_\_\_\_\_

**4.** Mark 1.8 on the number line, then round it to the nearest whole number.



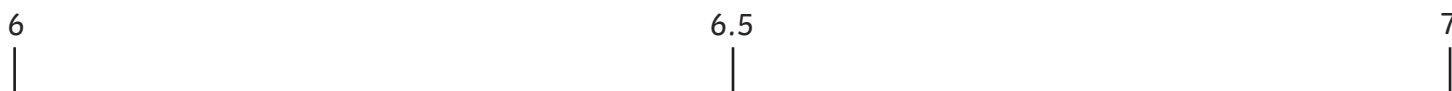
1.8 rounded to the nearest whole number is \_\_\_\_\_

**5.** Mark 5.4 on the number line, then round it to the nearest whole number.



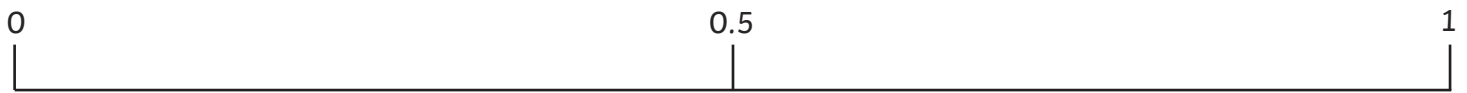
5.4 rounded to the nearest whole number is \_\_\_\_\_

**6.** Mark 6.5 on the number line, then round it to the nearest whole number.



6.5 rounded to the nearest whole number is \_\_\_\_\_

7. Mark 0.6 on the number line, then round it to the nearest whole number.



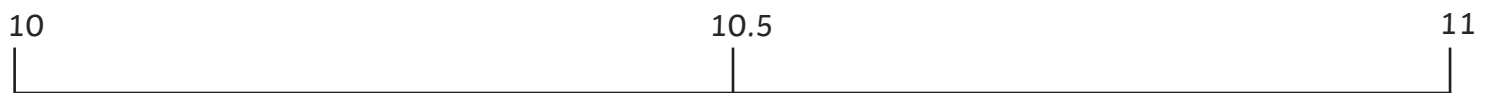
0.6 rounded to the nearest whole number is \_\_\_\_\_

8. Mark 2.7 on the number line, then round it to the nearest whole number.



2.7 rounded to the nearest whole number is \_\_\_\_\_

9. Mark 10.1 on the number line, then round it to the nearest whole number.



10.1 rounded to the nearest whole number is \_\_\_\_\_

10. Mark 7.3 on the number line, then round it to the nearest whole number.



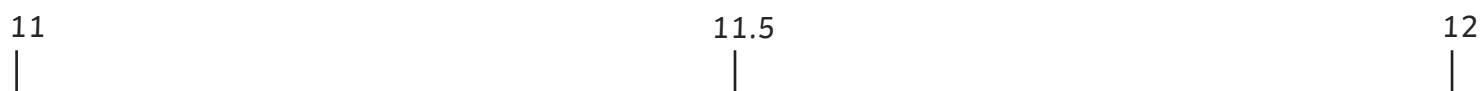
7.3 rounded to the nearest whole number is \_\_\_\_\_

**11.** Mark 6.78 on the number line, then round it to the nearest whole number.



6.78 rounded to the nearest whole number is \_\_\_\_\_

**12.** Mark 11.27 on the number line, then round it to the nearest whole number.



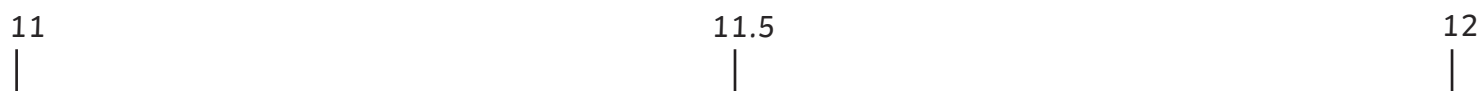
11.27 rounded to the nearest whole number is \_\_\_\_\_

**13.** Mark 9.93 on the number line, then round it to the nearest whole number.



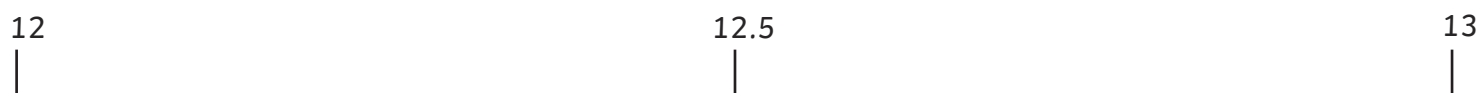
9.93 rounded to the nearest whole number is \_\_\_\_\_

**14.** Mark 11.07 on the number line, then round it to the nearest whole number.



11.07 rounded to the nearest whole number is \_\_\_\_\_

**15.** Mark 12.55 on the number line, then round it to the nearest whole number.



12.55 rounded to the nearest whole number is \_\_\_\_\_

# Rounding Decimal Numbers to the Nearest Whole Number Answers

1. 3
2. 8
3. 8
4. 2
5. 5
6. 7
7. 1
8. 3
9. 10
10. 7
11. 7
12. 11
13. 10
14. 11
15. 13

# Rounding Decimal Numbers to the Nearest Whole Number

1. Round the following decimals to the nearest whole number.

- |         |         |         |
|---------|---------|---------|
| a) 3.4  | g) 36.5 | m) 76.4 |
| b) 5.6  | h) 13.2 | n) 57.3 |
| c) 8.3  | i) 56.5 | o) 89.9 |
| d) 9.5  | j) 38.8 | p) 67.2 |
| e) 24.9 | k) 20.3 |         |
| f) 45.1 | l) 49.5 |         |

2. For each of the following numbers, write 4 decimals that would round to this number when rounded to the nearest whole number.

- |       |       |       |
|-------|-------|-------|
| a) 14 | d) 50 | g) 88 |
| b) 28 | e) 67 | h) 95 |
| c) 32 | f) 71 |       |

3. Draw a ring around the numbers that round to the number in the box, when rounded to the nearest whole number.

<b>3</b>	3.4	2.8	3.7	2.3	2.9	<b>9</b>	9.3	9.7	8.9	8.1	8.5
<b>6</b>	6.5	6.2	5.5	6.7	5.2	<b>34</b>	34.2	33.1	35.1	33.7	34.5
<b>13</b>	13.1	13.4	12.7	12.3	13.8	<b>11</b>	11.12	11.09	10.52	10.39	10.03
<b>25</b>	24.4	25.1	23.4	25.7	24.8	<b>4</b>	4.57	4.21	3.76	3.21	4.51
<b>14</b>	14.1	13.3	14.5	13.6	14.3	<b>15</b>	15.23	14.87	14.08	15.52	15.09
<b>18</b>	18.9	17.6	17.2	18.3	17.5	<b>17</b>	17.14	16.78	16.39	17.92	17.44



# Rounding Decimal Numbers to the Nearest Whole Number Answers

Question 1.

- a) 3
- b) 6
- c) 8
- d) 10
- e) 25
- f) 45

- g) 37
- h) 13
- i) 57
- j) 39
- k) 20
- l) 50

- m) 76
- n) 57
- o) 90
- p) 67

Question 2. (Answers may vary)

Question 3.

3   3.4   2.8   3.7   2.3   2.9

6   6.5   6.2   5.5   6.7   5.2

13   13.1   13.4   12.7   12.3   13.8

25   24.4   25.1   23.4   25.7   24.8

14   14.1   13.3   14.5   13.6   14.3

18   18.9   17.6   17.2   18.3   17.5

9   9.3   9.7   8.9   8.1   8.5

34   34.2   33.1   35.1   33.7   34.5

11   11.12   11.09   10.52   10.39   10.03

4   4.57   4.21   3.76   3.21   4.51

15   15.23   14.87   14.08   15.52   15.09

17   17.14   16.78   16.39   17.92   17.44

# Rounding Decimal Numbers to the Nearest Whole Number

**Learning Objective:** I can apply my knowledge of rounding decimals to the nearest whole number.

1. Create a poster explaining how to round decimals to the nearest whole number.
2. Write a scenario where it would be useful to round a decimal number to the nearest whole number.

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3. Write a question involving rounding a decimal number to a whole number. Show an incorrect answer and explain the mistake.

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4. Write a word question that involves rounding a decimal number to the nearest whole number. Give it to a partner to solve. Make any necessary improvements to the question and try another partner.

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