Rounding Decimals on a Number Line

Name: _____

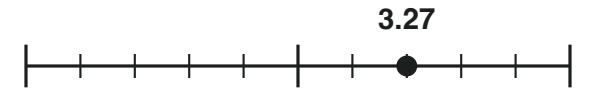
Grade 5 · Use a number line to round to the nearest whole number, tenth and hundredth

How it works

A number line shows which way to round. Find the two numbers your decimal is between. The longer mark in the middle is the halfway point.
If the decimal is **before** the halfway point, round down. If it is **at or past** the halfway point, round up.

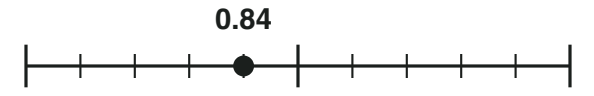
A. The dot shows the number. Round it to the nearer end of the line.

1.



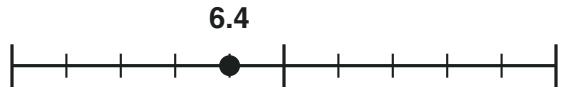
Nearest tenth: _____

2.



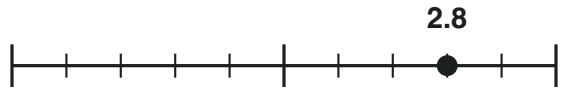
Nearest tenth: _____

3.



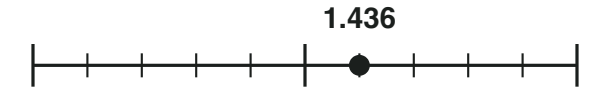
Nearest whole number: _____

4.



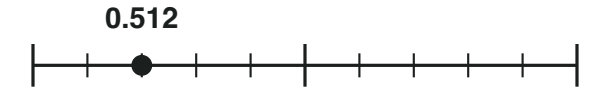
Nearest whole number: _____

5.



Nearest hundredth: _____

6.



Nearest hundredth: _____

B. Circle every number that rounds to the number in the box.

4.6	nearest tenth	4.56	4.64	4.65	4.55	4.61	4.549	4.67	4.59
8	nearest whole number	7.5	8.49	8.5	7.49	8.09	7.9	8.6	7.38

C. Think about rounding to the nearest tenth.

1. What is the smallest number with two decimal places that rounds to 2.5? _____
2. What is the greatest number with two decimal places that rounds to 2.5? _____
3. Kai says 6.98 rounded to the nearest tenth is 7.0. Is Kai right? _____

Rounding Decimals on a Number Line (Answer Key)

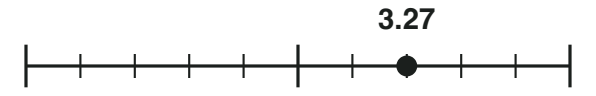
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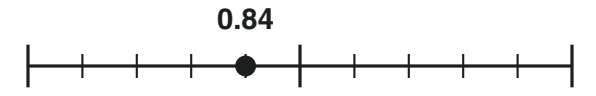
A. The dot shows the number. Round it to the nearer end of the line.

1.



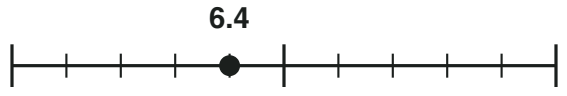
Nearest tenth: **3.3**

2.



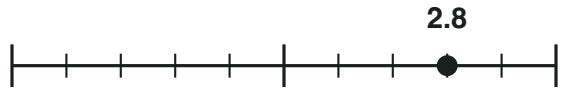
Nearest tenth: **0.8**

3.



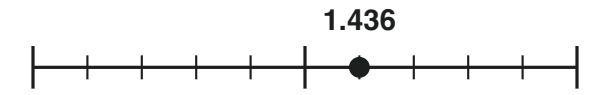
Nearest whole number: **6**

4.



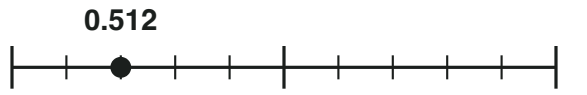
Nearest whole number: **3**

5.



Nearest hundredth: **1.44**

6.



Nearest hundredth: **0.51**

B. Circle every number that rounds to the number in the box.

4.6	nearest tenth	(4.56)	(4.64)	4.65	(4.55)	(4.61)	4.549	4.67	(4.59)
8	nearest whole number	(7.5)	(8.49)	8.5	7.49	(8.09)	(7.9)	8.6	7.38

C. Think about rounding to the nearest tenth.

1. What is the smallest number with two decimal places that rounds to 2.5? **2.45**
2. What is the greatest number with two decimal places that rounds to 2.5? **2.54**
3. Kai says 6.98 rounded to the nearest tenth is 7.0. Is Kai right? **yes**