

Rounding

Using Number Lines

3rd - 5th
GRADES

Rounding with Meaning

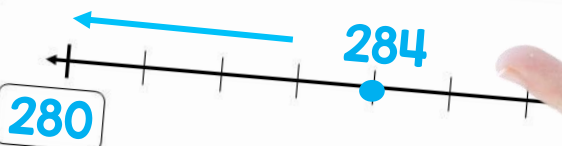
Rounding to the tens place

Name: _____

Follow the instructions below to round this number to the nearest ten.

284

- Spin the spinner to find a digit to write on the blank line.
- Write the tens this number is between in the boxes on your number line.
- Plot your number on the number line.
- Which ten is it closer to? 280
- Which ten does this number round to? 280



Spin the spinner to find a digit for these numbers and add them to your number line. Then add each completed number to the correct box below.

287

28__

28__

28__

28__

28__

28__

28__

Easy-to-Use Worksheets

Pages to differentiate with
2-, 3- and 4-digit numbers
as well as decimals

Creating My Rounding Rule 1

Name: _____

Rounding to the tens place

Put these numbers on the number line below.

45

43

47

49

42

41

46

44

40

- Draw a line to separate the numbers on the number line to 40 from the numbers that round to 50.
- Complete the boxes below with the numbers from your

Numbers that round to 40



Num1

Num1

Numbers that have a _____ in the _____

Rounding Decimals with Meaning 17

Name: _____

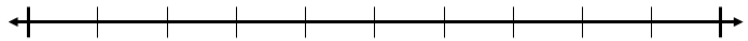
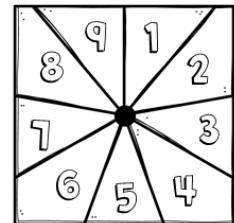
Rounding to the tenths place

Follow the instructions below to round this number to the nearest tenth.



1.9 _____

- Spin the spinner to find a digit to write on the blank line.
- Write the tenths this number is between in the boxes on your number line.
- Plot your number on the number line.
- Which tenth is it closer to? _____
- Which tenth does this number round to? _____



Spin the spinner to find a digit for these numbers and add them to your number line. Do not use the same digit twice. Then add each completed number to the correct box below.

1.9 _____

1.9 _____

1.9 _____

1.9 _____

MARVEL Math

Students analyze number lines to create the Rounding Rule

Creating My Rounding Rule I

Name: **Evan**

Rounding to the tens place

Put these numbers on the number line below.

45 43 47 49 44
42 41 46 40 48



- Draw a line to separate the numbers on the number line that round to 40 from the numbers that round to 50.
- Complete the boxes below with the numbers from your number line.

Numbers that round to 40

40
41
42
43
44



Numbers that round to 50

45
46
47
48
49



Numbers that have a 0, 1, 2, 3, or 4 in the ones place round down to 40 when rounding to the nearest ten.

The largest number that rounds to 40 when rounding to the tens place is 44.

Numbers that have a 5, 6, 7, 8, or 9 in the ones place round up to 50 when rounding to the nearest ten.

The smallest number that rounds to 50 when rounding to the tens place is 45.

My Rounding Rule

Each student will need a set on the "My Rounding Rule" page.

Zero can Stop,
Everyone else turn
around & head back
down the number line.

Follow me, we are
heading up the
number line.

0 1 2 3 4

5 6 7 8 9

Zero can Stop,
Everyone else turn
around & head back
down the number line.

Follow me, we are
heading up the
number line.

0 1 2 3 4

5 6 7 8 9

Zero can Stop,
Everyone else turn
around & head back
down the number line.

Follow me, we are
heading up the
number line.

0 1 2 3 4

5 6 7 8 9

Fun & Engaging Activities

Perfect for Math Stations,
Seatwork or Tutoring

My Rounding Rule

I can underline the digit in the place I'm rounding to.

I can draw an arrow to the digit to the right of the place I'm rounding to.

I can look at that digit to decide how to round.

273
round to the nearest ten

If that digit is a 0, 1,
2, 3, or 4 I will
round down. That
means the underlined digit
stays the same.

All of the digits after the
underlined digit become
zeros.

If that digit is a 5, 6,
7, 8, or 9 I will
round up. That
means the underlined digit
is increased by 1.

All of the digits after the
underlined digit become
zeros.

Zero can Stop,
Everyone else turn
around & head back
down the number line.

Follow me, we are
heading up the
number line.

Teacher Key is Included!

Rounding Decimals with Meaning 23

Rounding to the thousandths place

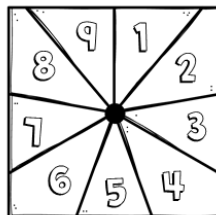
Name: _____

KEY

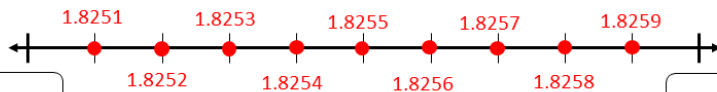
Follow the instructions below to round this number to the nearest thousandth.



1.825 5



- Spin the spinner to find a digit to write on the blank line.
- Write the thousandths this number is between in the boxes on your number line.
- Plot your number on the number line.
- Which thousandth is it closer to? it is exactly in the middle ← These responses will vary and depend upon the digit spun.
- Which thousandth does this number round to? 1.826



Spin the spinner to find a digit for these numbers and add them to your number line. Do not use the same digit twice. Then add each completed number to the correct box below.

The order of digits in this section will vary by student.

1.825 2 1.825 7 1.825 4 1.825 1
1.825 3 1.825 9 1.825 6 1.825 8

Numbers that round to 1.825

1.8251
1.8252
1.8253
1.8254



Numbers that round to 1.826

1.8255
1.8256
1.8257
1.8258
1.8259



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Print & Go Practice

To develop True Understanding of Rounding

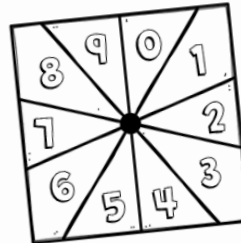
Rounding with Meaning I2

Name: _____

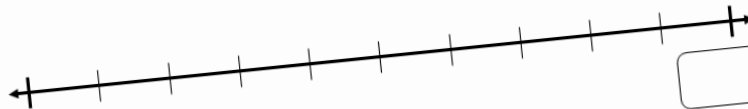
Rounding to the ten thousands place

Follow the instructions below to round this number to the nearest ten thousand.

4 __,205



- Spin the spinner to find a digit to write on the blank line.
- Write the ten thousands this number is between in the boxes on your number line.
- Plot your number on the number line.
- Which ten thousand is it closer to? _____
- Which ten thousand does this number round to? _____



Spin the spinner to find a digit for these numbers and add them to your number line. Do not use the same digit twice. Then add each completed number to the correct box below.

4 __,305 4 __,798 4 __,532 4 __,099
4 __,300 4 __,060 4 __,599 4 __,004

Numbers that round to 40,000

Numbers that round to 50,000

About the Author

This resource was created by Melissa Johnson, who has 16 years of k-10 teaching experience and a masters degree in Mathematics Education. Her resources build conceptual understanding, make connections between math topics and engage students in the mathematics they are learning.



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