Round the following decimals.

1) Round the number -12.132967 to the nearest ten-thousandth.

2) Round the number 1.8862 to the nearest one.

3) Round the number 6.6 to the nearest one.

4) Round the number -7.78978 to the nearest thousandth.

5) Round the number 1.45 to the nearest hundredth.

6) Round the number 3.7 to the nearest one.

7) Round the number 8.34612 to the nearest one.

8) Round the number 1.75 to the nearest one.

9) Round the number -5.810992 to the nearest ten-thousandth.

10) Round the number 5.038 to the nearest hundredth.

Date_____ Period_____

Round the following decimals.

1) Round the number -12.132967 to the nearest ten-thousandth.

Answer: -12.133

2) Round the number 1.8862 to the nearest one.

Answer: 2

3) Round the number 6.6 to the nearest one.

Answer: 7

4) Round the number -7.78978 to the nearest thousandth.

Answer: -7.79

5) Round the number 1.45 to the nearest hundredth.

Answer: 1.45

6) Round the number 3.7 to the nearest one.

Answer: 4

7) Round the number 8.34612 to the nearest one.

Answer: 8

8) Round the number 1.75 to the nearest one.

Answer: 2

9) Round the number -5.810992 to the nearest ten-thousandth.

Answer: -5.811

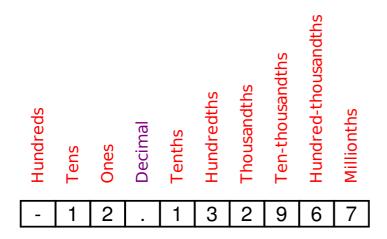10) Round the number 5.038 to the nearest hundredth.

Answer: 5.04

MathVine - Pre-Algebra   Name_____
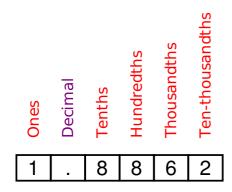
Solution Steps

1) Round the number -12.132967 to the nearest ten-thousandth.
Find the Ten-thousandths place

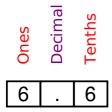| Hundreds	Tens	Ones	Decimal	Tenths	Hundredths	Thousandths	Ten-thousandths	Hundred-thousandths	Millionths
-	1	2	.	1	3	2	9	6	7

$paper.numberWithRoundingDigit(-12.132967, 7);$
$paper.rounding(-12.132967, 7, 8);$
$-12.132967 \approx -12.133$

2) Round the number 1.8862 to the nearest one.
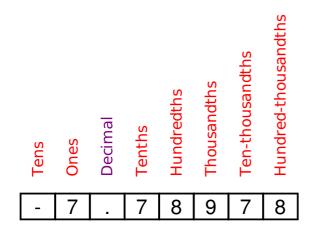Find the Ones place

Ones	Decimal	Tenths	Hundredths	Thousandths	Ten-thousandths
1	.	8	8	6	2

$paper.numberWithRoundingDigit(1.8862, 0);$
$paper.rounding(1.8862, 0, 2);$
$1.8862 \approx 2$

3) Round the number 6.6 to the nearest one.
Find the Ones place

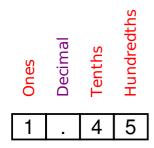| Ones	Decimal	Tenths
6	.	6

$paper.numberWithRoundingDigit(6.6, 0);$
$paper.rounding(6.6, 0, 2);$
$6.6 \approx 7$

4) Round the number -7.78978 to the nearest thousandth.
Find the Thousandths place

Tens	Ones	Decimal	Tenths	Hundredths	Thousandths	Ten-thousandths	Hundred-thousandths
-	7	.	7	8	9	7	8

$paper.numberWithRoundingDigit(-7.78978, 5);$
$paper.rounding(-7.78978, 5, 6);$
$-7.78978 \approx -7.79$

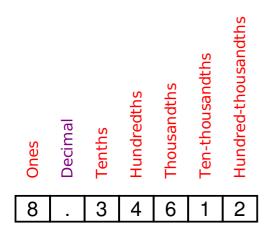5) Round the number 1.45 to the nearest hundredth.
Find the Hundredths place

Ones	Decimal	Tenths	Hundredths
1	.	4	5

$paper.numberWithRoundingDigit(1.45, 3);$
$paper.rounding(1.45, 3, 4);$
$1.45 \approx 1.45$

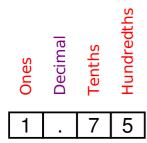6) Round the number 3.7 to the nearest one.
Find the Ones place

Ones	Decimal	Tenths
3	.	7

$paper.numberWithRoundingDigit(3.7, 0);$
$paper.rounding(3.7, 0, 2);$
$3.7 \approx 4$

7) Round the number 8.34612 to the nearest one.
Find the Ones place

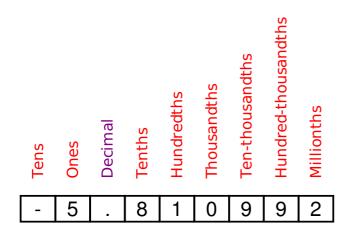| Ones	Decimal	Tenths	Hundredths	Thousandths	Ten-thousandths	Hundred-thousandths
8	.	3	4	6	1	2

$paper.numberWithRoundingDigit(8.34612, 0);$
$paper.rounding(8.34612, 0, 2);$
$8.34612 \approx 8$

8) Round the number 1.75 to the nearest one.
Find the Ones place

Ones	Decimal	Tenths	Hundredths
1	.	7	5

$paper.numberWithRoundingDigit(1.75, 0);$
$paper.rounding(1.75, 0, 2);$
$1.75 \approx 2$

9) Round the number -5.810992 to the nearest ten-thousandth.
Find the Ten-thousandths place

Tens	Ones	Decimal	Tenths	Hundredths	Thousandths	Ten-thousandths	Hundred-thousandths	Millionths
-	5	.	8	1	0	9	9	2

$paper.numberWithRoundingDigit(-5.810992, 6);$
$paper.rounding(-5.810992, 6, 7);$
$-5.810992 \approx -5.811$

10) Round the number 5.038 to the nearest hundredth.
Find the Hundredths place

Ones	Decimal	Tenths	Hundredths	Thousandths
5	.	0	3	8

$paper.numberWithRoundingDigit(5.038, 3);$
$paper.rounding(5.038, 3, 4);$
$5.038 \approx 5.04$