Name_____

Date_____ Period_____

Round the following decimals.

1) Round the number 2.08334 to the nearest ten-thousandth.

2) Round the number 5.96 to the nearest tenth.

3) Round the number 2.12 to the nearest tenth.

4) Round the number 5.8 to the nearest one.

5) Round the number 14.698969 to the nearest ten-thousandth.

6) Round the number -17.51995 to the nearest thousandth.

7) Round the number 7.2 to the nearest one.

8) Round the number 5.54041 to the nearest tenth.

9) Round the number 16.5959 to the nearest hundredth.

10) Round the number 5.3434 to the nearest thousandth.

Name_____

Date_____ Period_____

Round the following decimals.

1) Round the number 2.08334 to the nearest ten-thousandth.

Answer: 2.0833

2) Round the number 5.96 to the nearest tenth.

Answer: 6

3) Round the number 2.12 to the nearest tenth.

Answer: 2.1

4) Round the number 5.8 to the nearest one.

Answer: 6

5) Round the number 14.698969 to the nearest ten-thousandth.

Answer: 14.699

6) Round the number -17.51995 to the nearest thousandth.

Answer: -17.52

7) Round the number 7.2 to the nearest one.

Answer: 7

8) Round the number 5.54041 to the nearest tenth.

Answer: 5.5

9) Round the number 16.5959 to the nearest hundredth.

Answer: 16.6

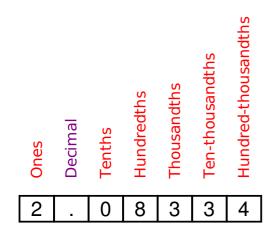10) Round the number 5.3434 to the nearest thousandth.

Answer: 5.343
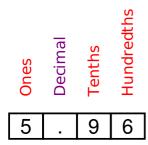
MathVine - Pre-Algebra   Name_____

Solution Steps

1) Round the number 2.08334 to the nearest ten-thousandth.
Find the Ten-thousandths place

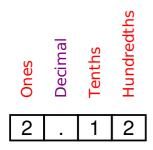| Ones	Decimal	Tenths	Hundredths	Thousandths	Ten-thousandths	Hundred-thousandths
2	.	0	8	3	3	4

$paper.numberWithRoundingDigit(2.08334, 5);$
$paper.rounding(2.08334, 5, 6);$
$2.08334 \approx 2.0833$

2) Round the number 5.96 to the nearest tenth.
Find the Tenths place

Ones	Decimal	Tenths	Hundredths
5	.	9	6

$paper.numberWithRoundingDigit(5.96, 2);$
$paper.rounding(5.96, 2, 3);$
$5.96 \approx 6$

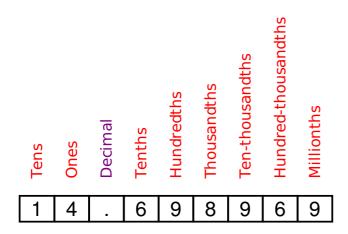3) Round the number 2.12 to the nearest tenth.
Find the Tenths place

Ones	Decimal	Tenths	Hundredths
2	.	1	2

$paper.numberWithRoundingDigit(2.12, 2);$
$paper.rounding(2.12, 2, 3);$
$2.12 \approx 2.1$

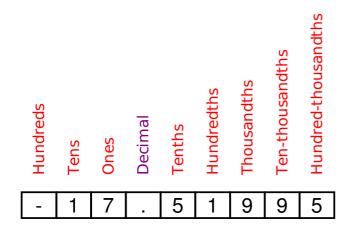4) Round the number 5.8 to the nearest one.
Find the Ones place

Ones	Decimal	Tenths
5	.	8

$paper.numberWithRoundingDigit(5.8, 0);$
$paper.rounding(5.8, 0, 2);$
$5.8 \approx 6$

5) Round the number 14.698969 to the nearest ten-thousandth.
Find the Ten-thousandths place

Tens	Ones	Decimal	Tenths	Hundredths	Thousandths	Ten-thousandths	Hundred-thousandths	Millionths
1	4	.	6	9	8	9	6	9

$paper.numberWithRoundingDigit(14.698969, 6);$
$paper.rounding(14.698969, 6, 7);$
$14.698969 \approx 14.699$

6) Round the number -17.51995 to the nearest thousandth.
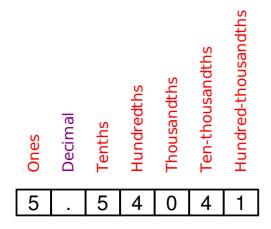Find the Thousandths place

Hundreds	Tens	Ones	Decimal	Tenths	Hundredths	Thousandths	Ten-thousandths	Hundred-thousandths
-	1	7	.	5	1	9	9	5

$paper.numberWithRoundingDigit(-17.51995, 6);$
$paper.rounding(-17.51995, 6, 7);$
$-17.51995 \approx -17.52$

7) Round the number 7.2 to the nearest one.
Find the Ones place

Ones	Decimal	Tenths
7	.	2

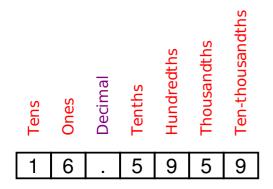$paper.numberWithRoundingDigit(7.2, 0);$
$paper.rounding(7.2, 0, 2);$
$7.2 \approx 7$

8) Round the number 5.54041 to the nearest tenth.
Find the Tenths place

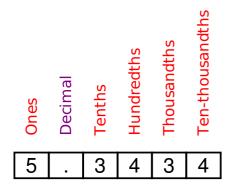| Ones	Decimal	Tenths	Hundredths	Thousandths	Ten-thousandths	Hundred-thousandths
5	.	5	4	0	4	1

$paper.numberWithRoundingDigit(5.54041, 2);$
$paper.rounding(5.54041, 2, 3);$
$5.54041 \approx 5.5$

9) Round the number 16.5959 to the nearest hundredth.
Find the Hundredths place

Tens	Ones	Decimal	Tenths	Hundredths	Thousandths	Ten-thousandths
1	6	.	5	9	5	9

$paper.numberWithRoundingDigit(16.5959, 4);$
$paper.rounding(16.5959, 4, 5);$
$16.5959 \approx 16.6$

10) Round the number 5.3434 to the nearest thousandth.
Find the Thousandths place

Ones	Decimal	Tenths	Hundredths	Thousandths	Ten-thousandths
5	.	3	4	3	4

$paper.numberWithRoundingDigit(5.3434, 4);$
$paper.rounding(5.3434, 4, 5);$
$5.3434 \approx 5.343$