MATH

Rounding decimals

Name _____ Date _____

I can round decimals to the nearest whole, tenth and hundredth.

1 How it works

Find the place you are rounding to, then look at the digit just to its right. If it is 5 or more, round up. If it is less than 5, keep the digit. 2.7 rounds to 3 because 7 is 5 or more. 4.63 rounds to 4.6 to the nearest tenth because 3 is less than 5.



2.7 rounds to 3

2 Round to the nearest whole number

Look at the tenths digit.

1. **6.07 rounds to** ☐
2. **11.1 rounds to** ☐
3. **3.11 rounds to** ☐
4. **56.8 rounds to** ☐
5. **3.25 rounds to** ☐
6. **3.76 rounds to** ☐
7. **2.53 rounds to** ☐
8. **1.82 rounds to** ☐
9. **8.96 rounds to** ☐

How did I do? ☆ ☆ ☆

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Round to tenths and hundredths

Name _____ Date _____

I can round to the nearest tenth and hundredth.

1 Round to the nearest tenth

Look at the hundredths digit.

1. 21.07 rounds to ☐
2. 23.98 rounds to ☐
3. 11.75 rounds to ☐
4. 25.66 rounds to ☐
5. 14.97 rounds to ☐
6. 11.35 rounds to ☐
7. 19.68 rounds to ☐
8. 10.36 rounds to ☐
9. 25.96 rounds to ☐

2 Complete the table

Number	Nearest whole	Nearest tenth	Nearest hundredth
34.488			
16.356			
9.059			
30.464			

How did I do? ☆ ☆ ☆

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Number lines and rounding riddles

Name _____ Date _____

I can use a number line to round decimals.

1 Which tenth is it closer to?

Write the number rounded to the nearest tenth.

1. 

rounds to ____

2. 

rounds to ____

2 Circle the numbers that round to the tenth

Round to 5.1

5.14 5.18 5.08 5.04 5.05 5.16 5.15 5.12

Round to 8.2

8.24 8.14 8.11 8.18 8.21 8.08 8.28 8.15

3 Think about it

1. Round 9.96 to the nearest tenth. ____
2. Is 6.45 closer to 6.4 or to 6.5? ____
3. What is the smallest number with two decimal places that rounds to 3.0? ____

How did I do? ☆ ☆ ☆

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Word problems

Name _____ Date _____

I can use decimals to solve problems.

1 Read, think, answer

Show your thinking in the box.

1 Sam's pencil is 14.68 cm long. Round its length to the nearest tenth of a centimeter.

Answer:

2 Sara ran 3.45 miles. About how many miles is that, to the nearest whole mile?

Answer:

3 A book costs $12.79. About how much does it cost, to the nearest dollar?

Answer:

4 I have two decimal places. To the nearest tenth I round to 5.3. My hundredths digit is 6. What number am I?

Answer:

How did I do? ☆ ☆ ☆

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FOR TEACHERS AND PARENTS

Answer key: rounding decimals

1 Page 1

Nearest whole number: 1) 6; 2) 11; 3) 3; 4) 57; 5) 3; 6) 4; 7) 3; 8) 2; 9) 9.

2 Page 2

Nearest tenth: 1) 21.1; 2) 24.0; 3) 11.8; 4) 25.7; 5) 15.0; 6) 11.4; 7) 19.7; 8) 10.4; 9) 26.0.
Table: 34.488: 34, 34.5, 34.49; 16.356: 16, 16.4, 16.36; 9.059: 9, 9.1, 9.06; 30.464: 30, 30.5, 30.46.

3 Page 3

Number lines: 1) 5.27 rounds to 5.3; 2) 8.16 rounds to 8.2.
Circle: round to 5.1: 5.14, 5.08, 5.05, 5.12; round to 8.2: 8.24, 8.18, 8.21, 8.15.
Think: 1) 10.0; 2) It is exactly halfway. We round up to 6.5; 3) 2.95.

4 Page 4: word problems

1) 14.7 cm
2) 3 miles
3) $13
4) 5.26

5 Teaching tip

Underline the place you are rounding to and circle the digit next to it. Children who mark the two digits make far fewer mistakes than children who do it in their heads.

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