MATH

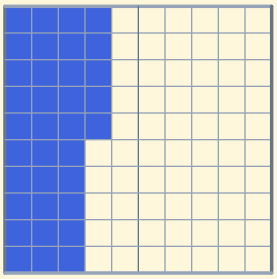
Decimal place value

Name _____ Date _____

I can read and write decimals using place value.

1 How it works

Places to the right of the decimal point are tenths, then hundredths. In 4.62, the 6 is worth 6 tenths (0.6) and the 2 is worth 2 hundredths (0.02): 4.62 = 4 + 0.6 + 0.02.



0.35

= 35 hundredths

= 3 tenths 5 hundredths

2 Write each number in the place value chart

	tens	ones	tenths	hundredths
2.94		.		
43.05		.		
9.24		.		
2.59		.		
94.49		.		
9.84		.		

How did I do? ☆ ☆ ☆

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MATH · DECIMAL PLACE VALUE

Expanded form



Name _____ Date _____

I can write decimals in expanded form.

1 Write in expanded form, or as one number

4.62 = 4 + 0.6 + 0.02

2.94 = _____

40 + 3 + 0.05 = _____

9.24 = _____

2 + 0.5 + 0.09 = _____

94.49 = _____

9 + 0.8 + 0.04 = _____

16.08 = _____

30 + 1 + 0.2 + 0.09 = _____

How did I do? ☆ ☆ ☆

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MATH · DECIMAL PLACE VALUE

Value of a digit



Name _____ Date _____

I can name the value of a digit in a decimal.

1 What is the value of the underlined digit?

In 3.47, the 7 is worth 0.07.

62.5<u>9</u>		29.6<u>5</u>		84.<u>1</u>2	
17.<u>9</u>2		2<u>6</u>.17		<u>8</u>4.73	
5<u>7</u>.15		8<u>4</u>.56		59.1<u>2</u>	

2 Write the number in words

2.53 = two and fifty-three hundredths

1.4 = _____

3.25 = _____

0.07 = _____

How did I do? ☆ ☆ ☆

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MATH · DECIMAL PLACE VALUE

Word problems

Name _____ Date _____

I can use decimals to solve problems.

1 Read, think, answer

Line up the decimal points when you add or subtract.

1 What is the value of the 7 in 3.47?

Answer:

2 Write 4 + 0.6 + 0.02 as one number.

Answer:

3 Write "two and fifty-three hundredths" with numbers.

Answer:

4 Ben says 0.5 and 0.50 are the same. Is Ben right?

Answer:

How did I do?

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FOR TEACHERS AND PARENTS

Answer key: decimal place value

1 Page 1

Place value chart: 2.94, 43.05, 9.24, 2.59, 94.49, 9.84 (one digit in each box).

2 Page 2

Expanded form: 2.94 = 2 + 0.9 + 0.04; 43.05 = 40 + 3 + 0.05; 9.24 = 9 + 0.2 + 0.04; 2.59 = 2 + 0.5 + 0.09; 94.49 = 90 + 4 + 0.4 + 0.09; 9.84 = 9 + 0.8 + 0.04; 16.08 = 10 + 6 + 0.08; 31.29 = 30 + 1 + 0.2 + 0.09.

3 Page 3

Digit values: 62.59: 0.09, 29.65: 0.05, 84.12: 0.1, 17.92: 0.9, 26.17: 6, 84.73: 80, 57.15: 7, 84.56: 4, 59.12: 0.02.

Words: one and four tenths; three and twenty-five hundredths; seven hundredths.

4 Page 4: word problems

1) 7 hundredths (0.07)
2) 4.62
3) 2.53
4) Yes. 5 tenths is 50 hundredths.

5 Teaching tip 💡

Extend the whole-number place value chart past the decimal point. Show that each place is worth ten times the place to its right, just as before.

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