

Decimal Point Game

Generating numbers with decimal points and then working together to add and subtract them.

Shona and Mark play the Decimal Point Game

Shona picked the following numbers:

1 9 0 . 6

Her number is one hundred and ninety point six.

Mark picked the following numbers:

7 . 0 3 1

His number is seven point zero three one.

They line them up carefully!

1 9 0 . 6
7 . 0 3 1

Decimal Point Game

This activity is designed to scaffold collaboration in agreeing on place value. Also good practice in lining up numbers for addition or subtraction.

The webaddress for this activity is:

www.collaborativelearning.org/decimalpointgame.pdf

Last updated: 6th December 2016

Our collaborative talk for learning activities are designed to:

...build on prior knowledge.

...move from concrete to abstract thinking.

...ensure everyone works with everyone else.

...extend social language into curriculum language.

...provide motivating ways to go over the same topic more than once.

For more details go to: www.collaborativelearning.org

Decimal Point Game Cards

1

2

3

4

5

6

7

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Decimal Point Game Cards and Instructions

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Instructions

If you need help, first take a look at the example card!

Shuffle your cards and place them face down.

You find or are given a partner with a different coloured set of cards.

Each pick a card from the top of the pile and place it in front of you.

3

Each pick another card and place it next to the first on the right.

3 7

Carry on until you have picked five cards. When you pick the decimal point place it next in the row.

3 7 2 . 6

If you don't pick a decimal point you will end up with a whole number with thousands. If you pick the decimal point first you will end up with a number smaller than one.

. 8 1 3 4

Compare your number with your partners. Work together to subtract and add your two numbers in your books. Make sure you line up your decimal points. Subtract the smaller number from the bigger number! Some subtractions will be tricky so check your answer on a calculator.

Example Card

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His number is seven point zero three one.

They line them up carefully!

1	9	0	.	6		7	.	0	3	1	+
---	---	---	---	---	--	---	---	---	---	---	---

1	9	0	.	6		7	.	0	3	1	-
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They add them together

1 9 7 . 6 3 1

They subtract the smaller number from the bigger number.

1 8 3 . 5 6 9

