Purpose

To use benchmarks to locate and name points on a number line

Math Words

point	The point on this number line represents 0.5, or $\frac{1}{2}$.

benchmark	A number like 0.1, 0.25, 0.5, 0.75, or 1 is called a benchmark number.

mixed decimal	The mixed decimal 2.3 is 2 whole units and 3 tenths more. We say "2 and 3 tenths."

Starter Problem

Draw a point to show about where 0.34 goes on the number line.
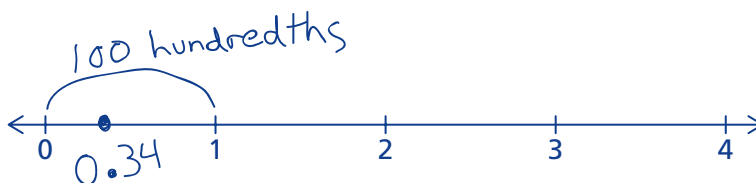
NAME:

Starter Problem

Draw a point to show about where 0.34 goes on the number line.

Student Thinking

Lisa

It has to be more than 0 and less than 1. First, I thought of 1 unit as 100 hundredths. Then, I estimated where 34 hundredths would go. It's really close to $\frac{1}{3}$ of a unit.

OK

Darius

To show .34, I drew the point between 3 and 4.

Pitfall

Things to Remember

❋ ....

....

❋ ....

....

STOP

NAME:

Our Turn

Draw a point to show about where the number goes on each number line.

1.   0.73

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<──┼────┼────┼────┼────┼──>
   0    1    2    3    4
```

2.   2.6

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<──┼────┼────┼────┼────┼────┼──>
   0    1    2    3    4    5
```
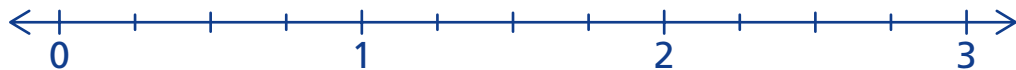
3.   1.99

```
<──┼────┼────┼────┼──>
   0    1    2    3
```

NAME:

My Turn

Draw a point to show about where the number goes on each number line.

1.　2.7

2.　4.45

3.　0.13

NAME:

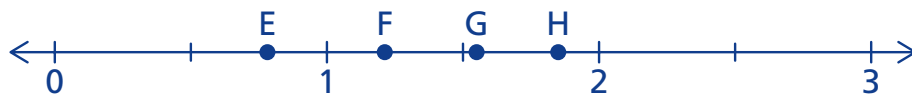## Multiple Choice Mini Lesson

Fill in the circle next to the answer you choose.

1. Which point on the number line shows the decimal 2.28?

○ A ○ B ○ C ○ D

2. Which point on the number line is **not** a mixed decimal?

○ E ○ F ○ G ○ H

✂ -

NAME:

Writing Task Mini Lesson

Explain why marking fourths can help you approximate where to draw a point for the decimal 2.19 on a number line that shows 0, 1, 2, and 3. You may draw a picture on the back to help you explain.

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