

**Representing Decimal Numbers****Diagnostic Task**

1. Use the digits 0 to 9 to make these statements true.
Use each digit only once.

$$0.7 = 0.\square 0$$

$$\frac{\square}{2} = 0.50$$

$$\frac{1}{4} = 0.\square 5$$

$$0.8\square = \frac{\square 5}{10\square}$$

$$0.\square = 0.90$$

$$\frac{2}{5} = 0.\square$$

$$0.\square\square \text{ is close to } \frac{1}{3}.$$



2. Choose three of your answers from Question 1.
How could you use a hundredths grid to show that these are correct?

3. Which statement did you complete first? Why?

4. Which statement did you complete last? Why?