

Application 2

1. Match each description to the correct number.



Charlie

My number has the same amount of tens and tenths



Dylan

My number has one decimal place.



Megan

My number has two hundredths.



Jess

My number has six tenths.

46.2

2.64

46.02

40.46

2. Prove that 8.9 is smaller than 9.8.

8 ones is smaller than 9 ones, which makes the number smaller, regardless of the tenths column.

3. What number is halfway between 2.7 and 3.4? **Explain how you worked it out.**

There is a difference of 0.7 between these numbers, so halfway would be $2.7 + \text{half of } 0.7 = 2.7 + 0.35 = 2.70 + 0.35 = \underline{3.05}$

4. Which of the following is false? **Convince me!**

$$1.009 < 1.09$$

$$1.249 > 1.25$$

$$1.35 > 1.053$$

5. Which of these numbers is closest in value to 0.2? **Explain why.**

0.02, 0.15, 0.22, 0.3, **0.19**

Charlie: 40.46

Dylan: 42.6

Megan: 46.02

Jess: 2.64