

Name: ..... Class: .....

## Number sequences involving decimals

- a. Find the missing number to complete the pattern.

1.1 , 1.2 , 1.3 , 1.4, \_\_\_\_

- b. Find the missing numbers to complete the pattern.

0.07, \_\_\_\_ , 0.05, \_\_\_\_ , 0.03, 0.02, \_\_\_\_

- c. Find the missing numbers to complete the pattern.

4.20 , \_\_\_\_ , 4.40 , 4.50 , 4.60 , \_\_\_\_

- d. Find the missing numbers to complete the pattern.

5.08 , \_\_\_\_ , 5.10 , \_\_\_\_ , 5.12 , 5.13

- e. Find the missing numbers to complete the pattern.

0.09, \_\_\_\_ , 0.07, \_\_\_\_ , 0.05, 0.04, \_\_\_\_

- f. Find the missing numbers to complete the pattern.

7.10 , \_\_\_\_ , 7.30 , 7.40 , 7.50 , \_\_\_\_

- g. Find the missing numbers to complete the pattern.

2.05 , \_\_\_\_ , 2.07 , \_\_\_\_ , 2.09 , 2.10

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## Number sequences involving decimals

a. Find the missing number to complete the pattern.

1.1, 1.2, 1.3, 1.4, \_\_\_\_

First of all we need to find the rule.

Let's subtract cosecutive numbers to find the rule.

$$1.3 - 1.2 = 0.1$$

$$1.4 - 1.3 = 0.1$$

So, the rule is add 0.1 to 1.4 to have the next number - ( $1.4 + 0.1 = 1.5$ ).

So, the finished decimal sequence is 1.1, 1.2, 1.3, 1.4, **1.5**.

b. Find the missing numbers to complete the pattern.

0.07, \_\_\_\_, 0.05, \_\_\_\_, 0.03, 0.02, \_\_\_\_

First of all we need to find the rule.

Let's subtract cosecutive numbers to find the rule.

$$0.03 - 0.02 = 0.01$$

So, the rule is subtract 0.01.

Therefore we subtract 0.01 from the number before the missing line.

$$0.07 - 0.01 = 0.06 \quad 0.05 - 0.01 = 0.04 \quad 0.02 - 0.01 = 0.01$$

So, the finished decimal sequence is 0.07, **0.06**, 0.05, **0.04**, 0.03, 0.02, **0.01**.

c. Find the missing numbers to complete the pattern.

4.20, **4.30**, 4.40, 4.50, 4.60, **4.70**.

d. Find the missing numbers to complete the pattern.

5.08, **5.09**, 5.10, **5.11**, 5.12, 5.13