

SEQUENTIAL DECIMALS INVENTORY

Student Name: _____

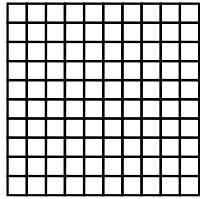
School: _____ Grade: _____

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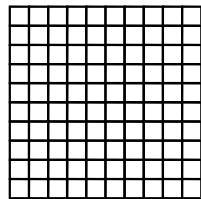
Assessment developed by Charles Allan, Linda Patriarca, and Wayne Scott with partial support provided by a USDE School Improvement Grant, (Michigan Department of Education, Office of Special Education). All rights reserved.

1. Shade the picture to represent the decimal identified

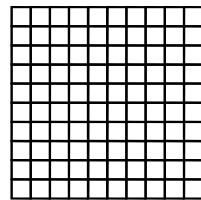
a. Shade to show 0.2



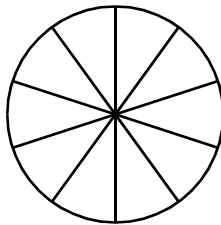
b. Shade to show 0.05

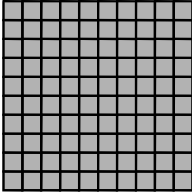


c. Shade to show 0.25

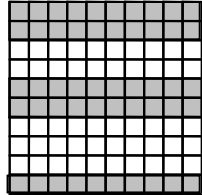


d. Shade 0.6 of this circle.

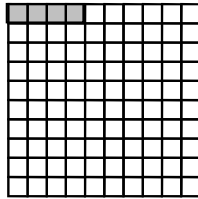


2. If this square, , equals one, how much of each square is shaded? Write it as a decimal.

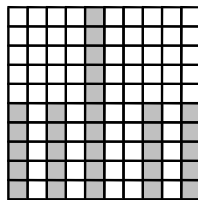
a. How much is shaded?



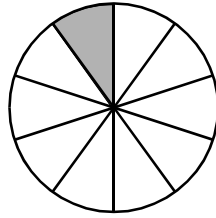
b. How much is shaded?




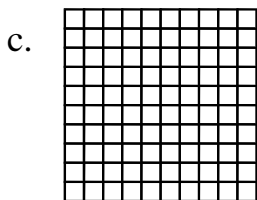
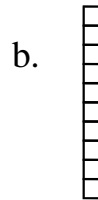
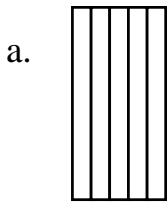
c. How much is shaded?



3. What decimal portion of the circle is shaded?

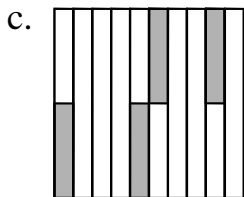
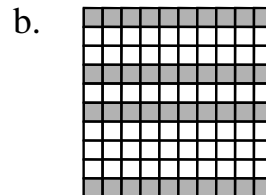
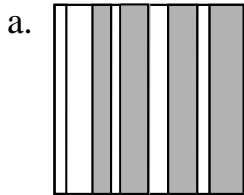


4. If this  equals one tenth, then which picture shows one?



d. I do not know.

5. Which picture shows 4 tenths shaded?

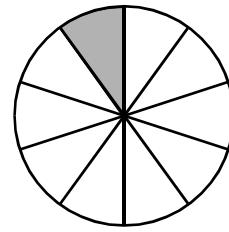


d. I do not know

6. In the decimal 0.34, the 3 tells us:

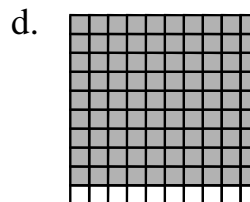
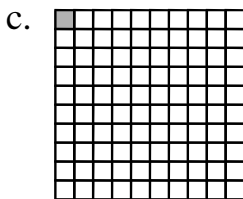
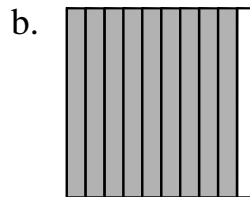
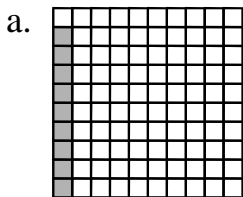
- a. that there are 3 tenths or 30 hundredths in the number.
- b. that the whole is made up of 34 parts.
- c. that there are 3 tens and 4 ones.
- d. that there are 3 tens and 4 hundredths in the number.
- e. I do not know.

7. If Shonda had a birthday cake divided into 10 equal pieces, and she ate one of them, circle the number that would tell us the portion she ate.



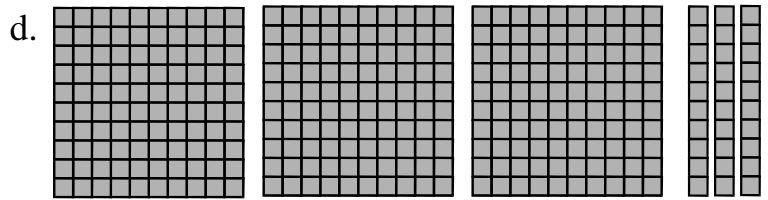
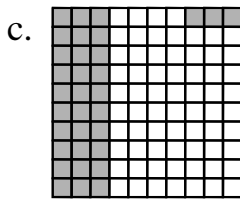
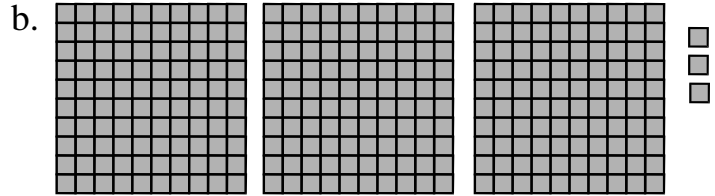
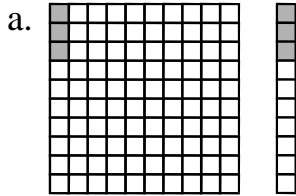
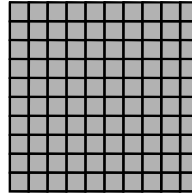
- a. 0.01
- b. 0.1
- c. 1.0
- d. 0.001
- e. I do not know

8. Circle the picture that show what 0.09 means.




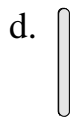
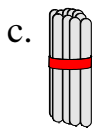
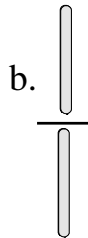
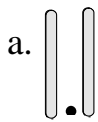
- e. I do not know

9. Which picture shows 3.3 if this picture is one?




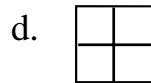
e. I do not know

10. If this, , equals 0.1, then which picture shows one?

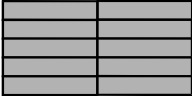


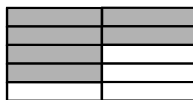
e. I do not know

11. If this square, , equals 0.5, which picture shows 1.0 or one whole?



e. I do not know

12. What decimal portion is shaded in the picture below if this rectangle, , equals one whole?



a. 0.06

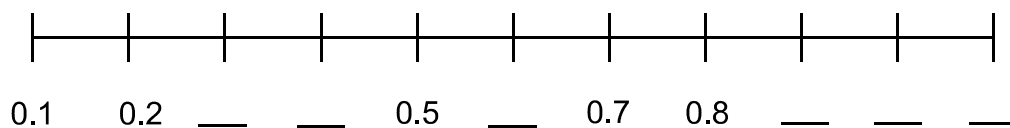
b. 0.6

c. 6.4

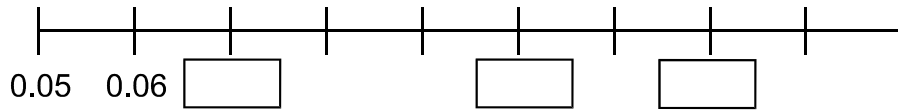
d. 0.4

e. I do not know

13. Fill in the blanks on the number line below.



14. Fill in the boxes on the number line below.



15. In the space below:

a. Count by tenths beginning with eight tenths

0.8, _____, _____, _____, _____, _____, _____, _____

b. Count by hundredths beginning with 97 hundredths

0.97, _____, _____, _____, _____, _____, _____, _____

c. Count by thousandths beginning with thirty seven thousandths

0.037, _____, _____, _____, _____, _____, _____, _____

d. Count by tenths beginning with 9 and six tenths

9.6, _____, _____, _____, _____, _____, _____, _____

16. Write these as numbers.

a. _____ forty-seven hundredths

b. _____ 2 tenths and 9 hundredths

c. _____ 5 tenths

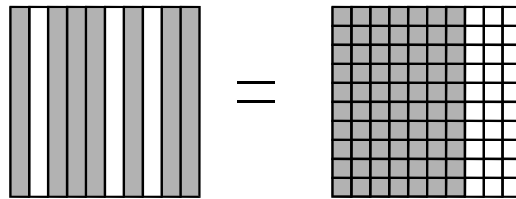
d. _____ 13 and 3 hundredths

e. _____ 8 thousandths

17. Fill in the blanks.

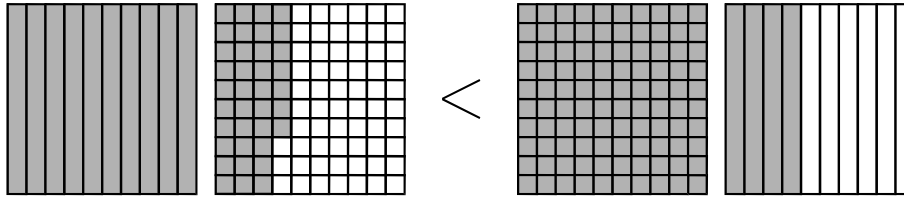
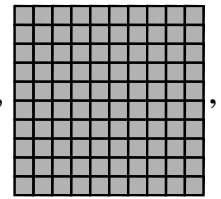
- a. $0.2 =$ _____ hundredths
- b. $0.57 =$ _____ tenths and _____ hundredths
- c. Write 4 tenths and 6 hundredths as a number _____
- d. Write one and 9 tenths as a number _____
- e. 80 hundredths = _____ tenths

18. Which decimal sentence best describes the picture?



- a. $0.07 = 0.7$
- b. $0.7 = 0.70$
- c. $0.070 = 0.0070$
- d. I do not know

19. Which decimal sentence best describes the picture below if this square, equals one?



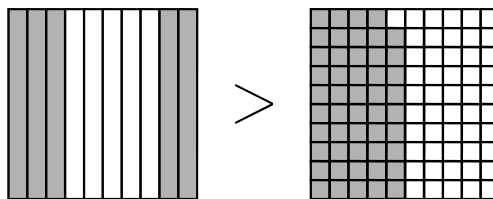
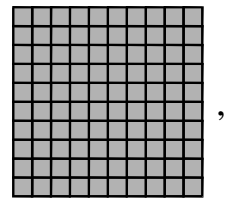
a. 1.37 is less than 1.4

b. 1.37 is greater than 1.4

c. 1.037 is less than 1.04

d. I do not know

20. Which decimal sentence best describes the picture below if this square, equals one?



a. 0.49 is greater than 0.5

b. 0.05 is less than 0.49

c. 0.5 is greater than 0.49

d. I do not know

21. Order these decimals from smallest to largest.

a. 0.5 0.01 0.47 0.100 _____

b. 0.25 0.3 0.235 0.31 0.2 _____

c. 0.8 0.08 0.008 0.79 0.81 _____

22. Circle True or False

- a. 1.0 is greater than 0.100 True False
- b. 0.80 is greater than 0.8 True False
- c. 0.01 equals 1 hundredth True False
- d. 0.300 is greater than 0.31 True False
- e. 0.5 is equivalent to 0.50 True False
- f. 1 tenth equals 0.1 True False

23. Circle **all** the numbers that equal 1.

- a. 0.1 b. 1.0 c. 0.010
- d. 1.00 e. 0.001 f. 1.000

24. Which of the following means the same as 2 tenths and 5 hundredths?

- a. $0.02 + 0.05$ b. $0.2 + 0.5$
- c. $0.2 + 0.05$ d. $2 + 0.5$ e. I do not know

25. Find the sum:

$$1.3 + 6.7 = \underline{\hspace{2cm}}$$

$$0.2 + 0.30 + 0.465 = \underline{\hspace{2cm}}$$

26. Find the difference:

$$1.0 - 0.6 = \underline{\hspace{2cm}}$$

$$13.4 - 12.75 = \underline{\hspace{2cm}}$$