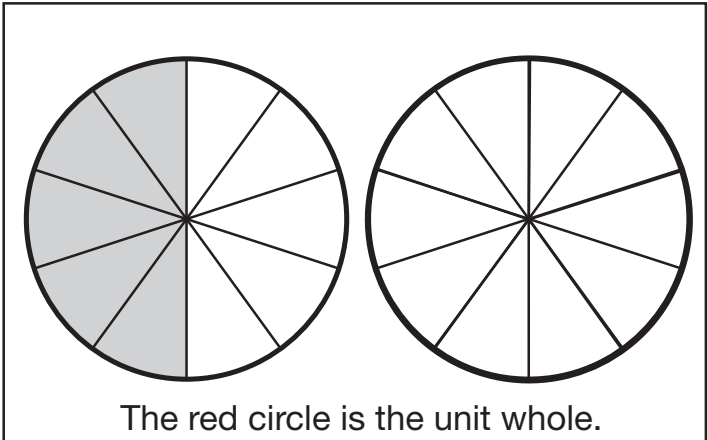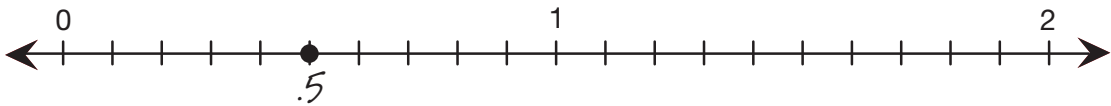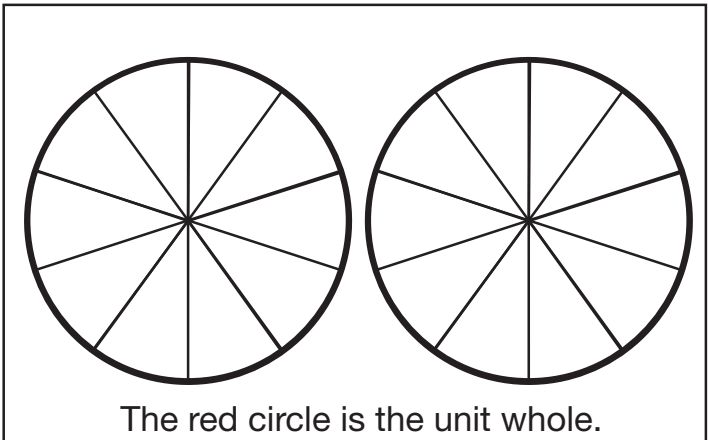Name _____ Date _____

Showing Decimals

Complete the missing information to show the fraction in each box below in many ways. The first one is an example. Use the *Writing Numbers in Words* page in the *Student Guide* Reference section.
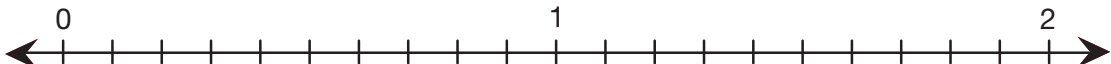

Example

$$\frac{0.5}{\text{decimal fraction}}$$

$$\frac{\frac{5}{10} \text{ or } \frac{1}{2}}{\text{common fraction}}$$

$$\frac{five-tenths}{\text{words}}$$

The red circle is the unit whole.

drawing

```
0                         1                         2
←—+—+—+—+—●—+—+—+—+—+—+—+—+—+—+—+—+—+—+—+—+→
          .5
```

1.

$$\frac{}{\text{decimal fraction}}$$

$$\frac{}{\text{common fraction}}$$

$$\frac{\text{one and one-half}}{\text{words}}$$

The red circle is the unit whole.

drawing

```
0                         1                         2
←—+—+—+—+—+—+—+—+—+—+—+—+—+—+—+—+—+—+—+—+—+→
```

2.

$$\dfrac{0.4}{\text{decimal fraction}}$$

$$\dfrac{}{\text{common fraction}}$$

$$\dfrac{}{\text{words}}$$

The red circle is the unit whole.

drawing

0   1   2

3.
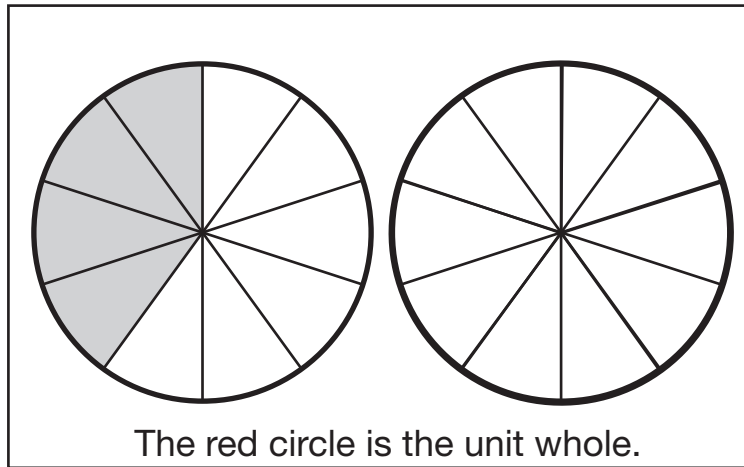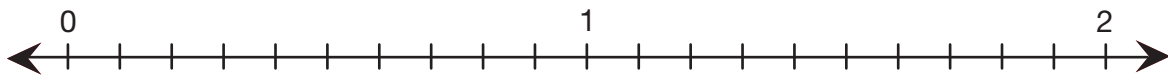
$$\dfrac{}{\text{decimal fraction}}$$

$$\dfrac{\frac{2}{5}}{\text{common fraction}}$$

$$\dfrac{}{\text{words}}$$
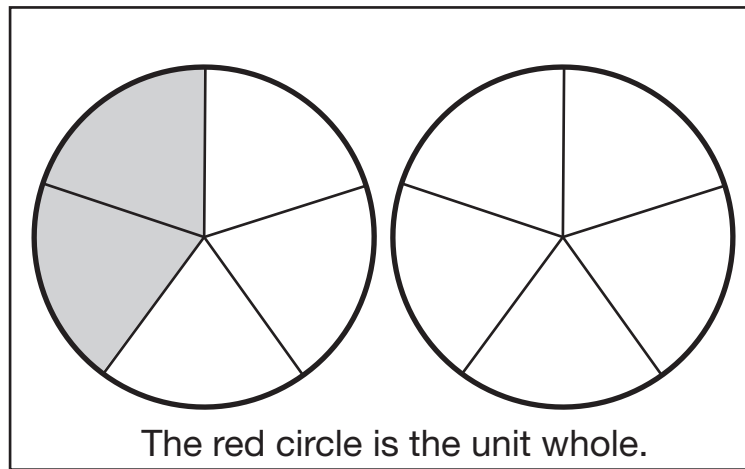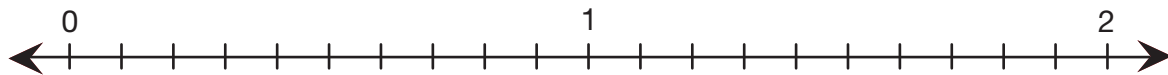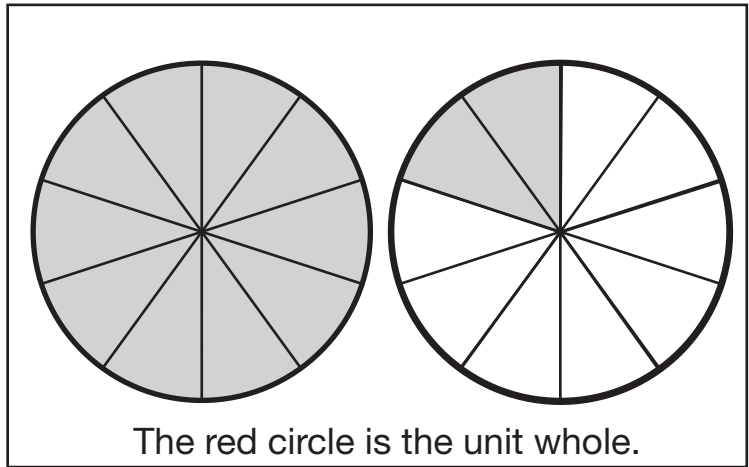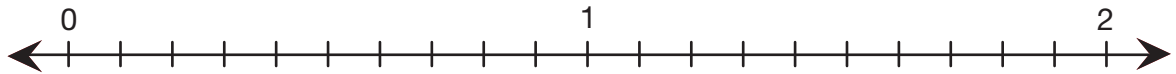
The red circle is the unit whole.

drawing

0   1   2

4.

_____
decimal fraction

_____
common fraction

_____
words

The red circle is the unit whole.

drawing

0   1   2

5.

_____
decimal fraction

_____
common fraction

_____
words

The red circle is the unit whole.

drawing

0   1   ●   2

1.2

6.

_____
decimal fraction

_____
common fraction

_____
words

The red circle is the unit whole.

drawing

0   1   2

7.

_____1.0_____
decimal fraction

_____
common fraction

_____
words

The red circle is the unit whole.

drawing

0   1   2

8.

_____
decimal fraction

_____
common fraction

_____
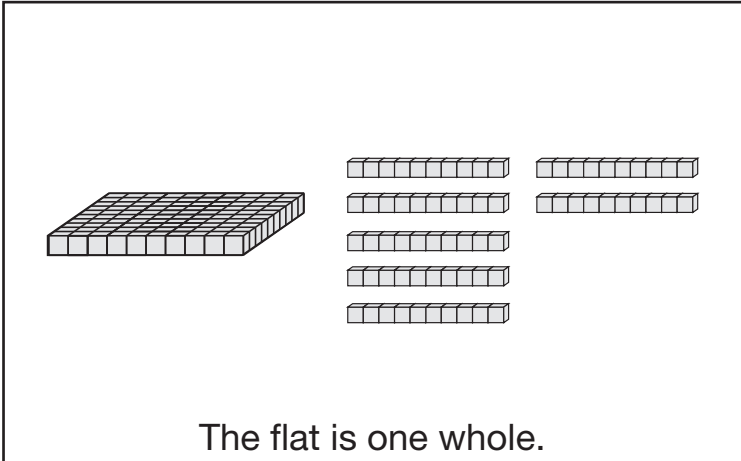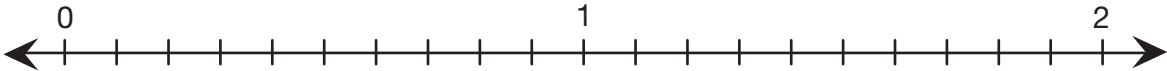words
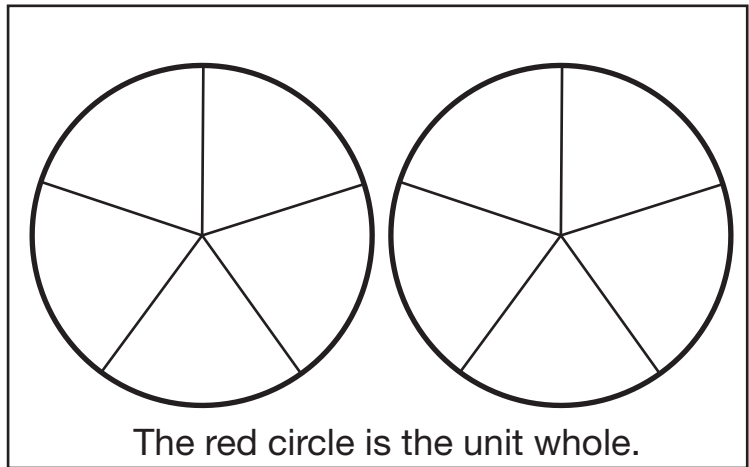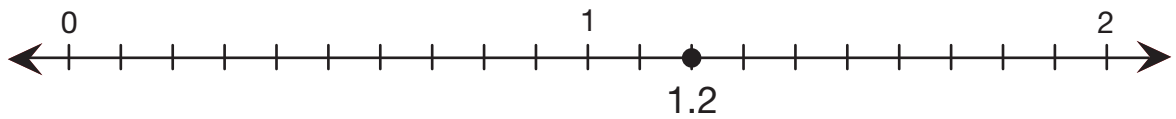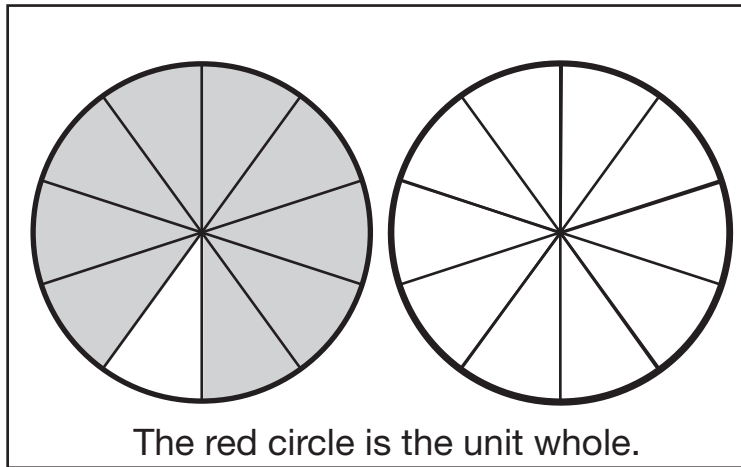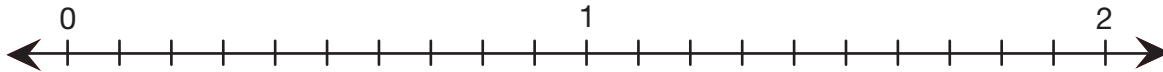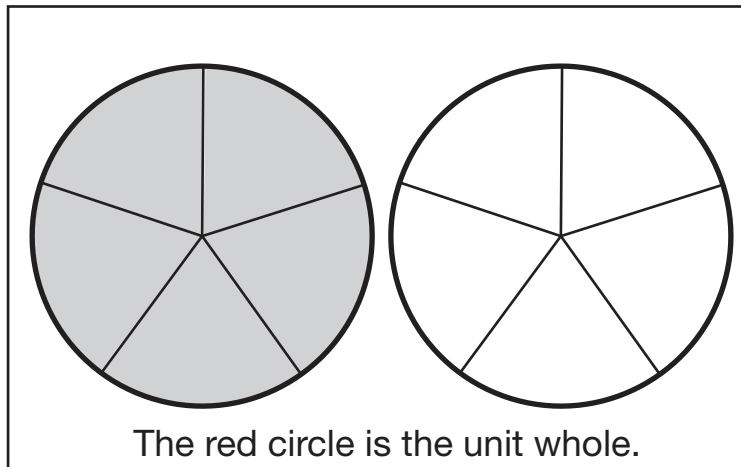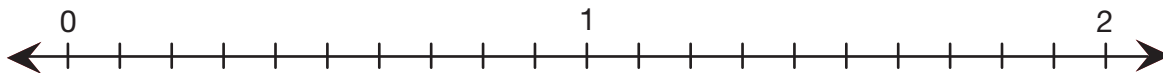
The flat is one whole.

drawing

0   1   2

9.

_____
decimal fraction

$1\frac{3}{10}$
_____
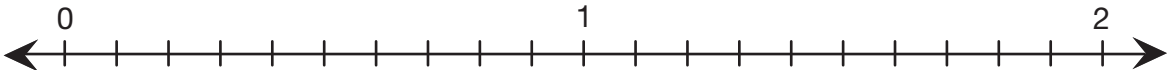common fraction

_____
words

The flat is one whole.
(You may use base-ten shorthand.)

drawing

0   1   2

10.

_____
decimal fraction

_____
common fraction

_____
words

A dollar is one whole.

drawing

0   1   2
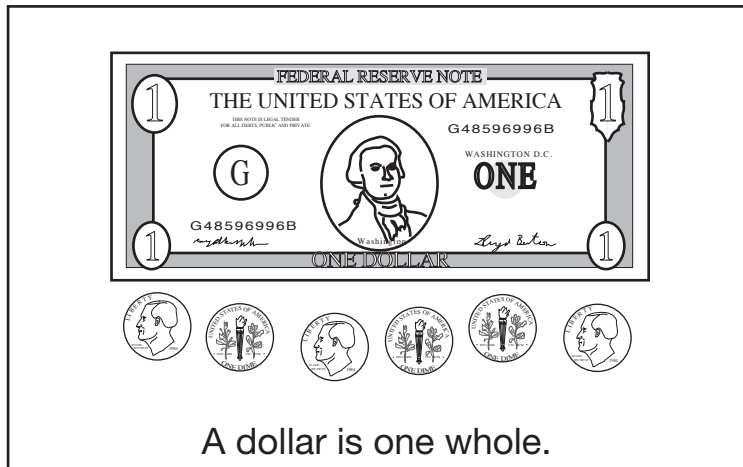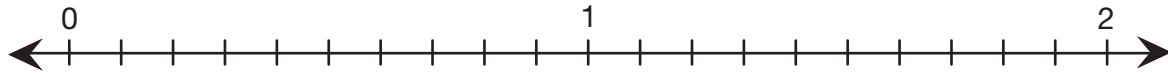
11.

___0.7___
decimal fraction

_____
common fraction

_____
words

A dollar is one whole.

drawing

0   1   2
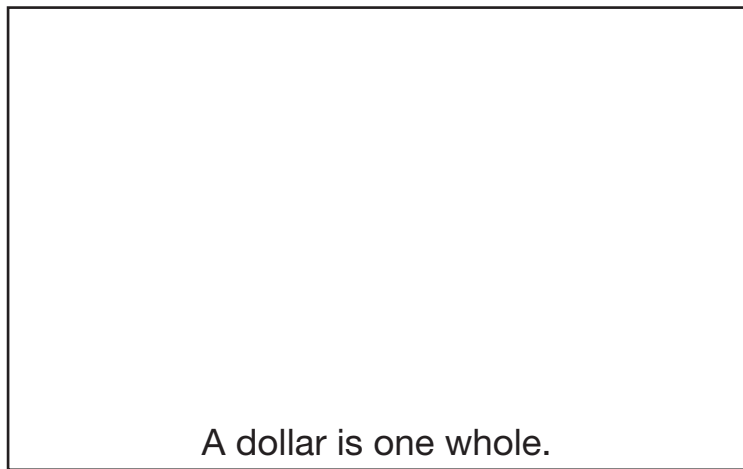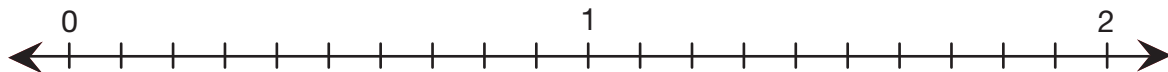
12.

_____
decimal fraction

_____
common fraction

eight-tenths white
_____
words

Mrs. Dewey has 10 buttons
in her whole collection.

drawing

0 _____ 1 _____ 2
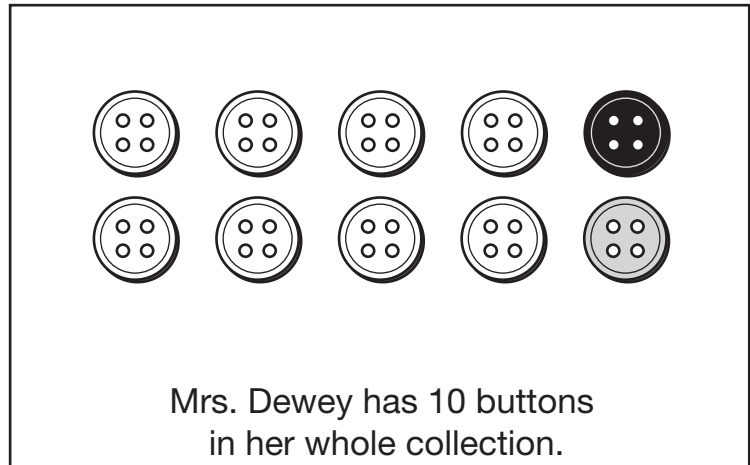
13.

_____
decimal fraction

$\frac{3}{10}$ black
_____
common fraction

_____
words

Linda has 10 marbles in her whole collection.

drawing

0 _____ 1 _____ 2
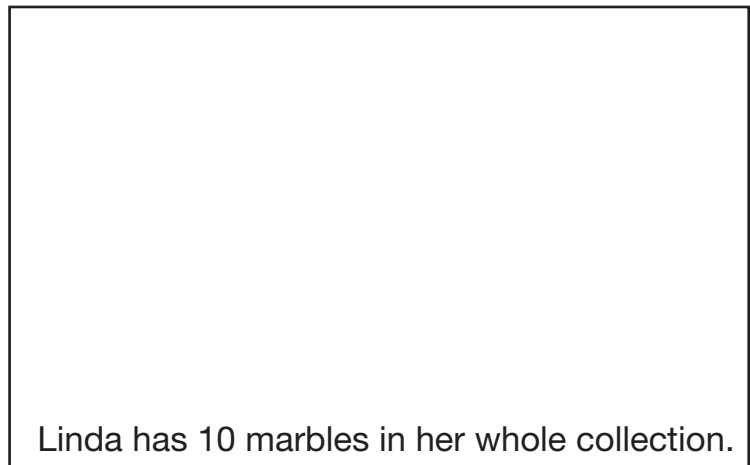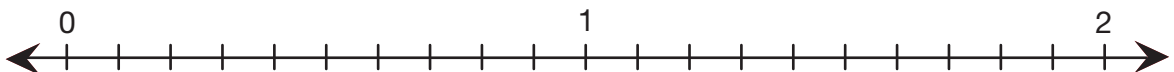
14.

$\dfrac{\quad 1.8 \quad}{\text{decimal fraction}}$

$\dfrac{\qquad\qquad}{\text{common fraction}}$

$\dfrac{\qquad\qquad}{\text{words}}$

The _____ is one whole.

Make your own drawing.

0   1   2

15. Use Questions 1–7 to put the following numbers on the number line below: $\frac{1}{2}$, 1.5, $\frac{2}{5}$, 1.2, 0.9, 1.0, 0.4.

0   1   2
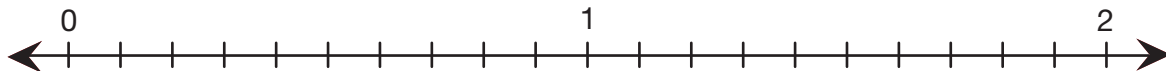
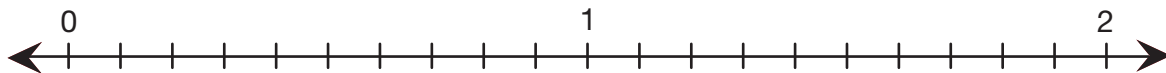**16.** Use <, >, or = to make the number sentences below true. Use the number line in Question 15 to help you.

A. 1.5 ◯ $1\frac{1}{2}$ **B.** $\frac{2}{5}$ ◯ 0.9   **C.** 1.2 ◯ 0.9

17. Use Questions 8–11 to put the following numbers on the number line below: 1.7, $1\frac{3}{10}$, 1.6, 0.7.

0   1   2

18. Use <, >, or = to make the number sentences below true. Use the number line in Question 17 to help you.

A. 1.7 ◯ $1\frac{3}{10}$ **B.** 0.7 ◯ 1.7   **C.** 1.7 ◯ 1.6

✓ Check-In: Questions 19–21

Complete the missing information to show the fraction in Questions 19 and 20 in many ways. Use the *Writing Numbers in Words* page in the *Student Guide* Reference section.

19.

$$\frac{1.1}{\text{decimal fraction}}$$

_____
common fraction

_____
words

The _____ is one whole.

Make your own drawing.

0 |――――――――――――| 1 |――――――――――――| 2

20.

_____
decimal fraction

_____
common fraction

_____
words

The _____ is one whole.

Make your own drawing.

0 |―――――●―――――| 1 |――――――――――――| 2
　　　　0.6

21. Which is larger, 1.1 or 0.6? Show or tell how you know.

Showing Decimals Check-In: Questions 19–21 Feedback Box	Expectation	Check In	Comments
Show decimal fractions in five ways: • Using drawings and number lines. [Q# 19–20] • Using words and numbers. [Q# 19–20]	E5 E6		
Make connections among representations of decimals. [Q# 19–20]	E7		
Compare decimals. [Q# 21]	E8		