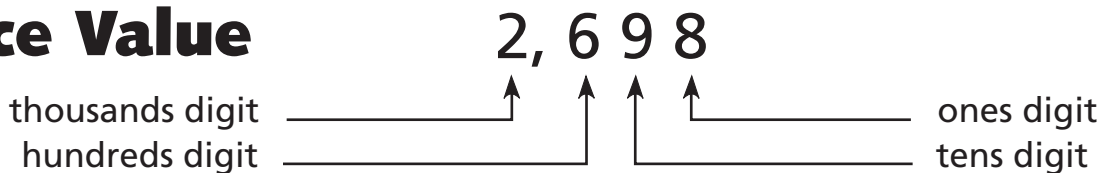


Place Value



Solve the riddles.

- 1**
- My number has 3 digits.
 - The ones digit is odd.
 - My number is a multiple of 5.
 - The hundreds digit is one less than the tens digit.
 - The number is less than 200.

What is my number?

1		
---	--	--

- 2**
- My number has 4 digits.
 - If you wrote the number backwards, it would still be the same number.
 - The thousands digit is 8.
 - One of the digits is 0.

What is my number?

--	--	--	--

- 3**
- My number has 3 digits.
 - All of the digits are even.
 - The number is larger than 600 and smaller than 700.
 - The sum of the digits is 14.
 - The tens digit is 0.

What is my number?

--	--	--

- 4**
- My number has 3 digits.
 - All of the digits are different.
 - Each digit is a multiple of 3.
 - None of the digits is 0.
 - The number is greater than 900.
 - The tens digit is greater than the ones digit.

What is my number?

--	--	--

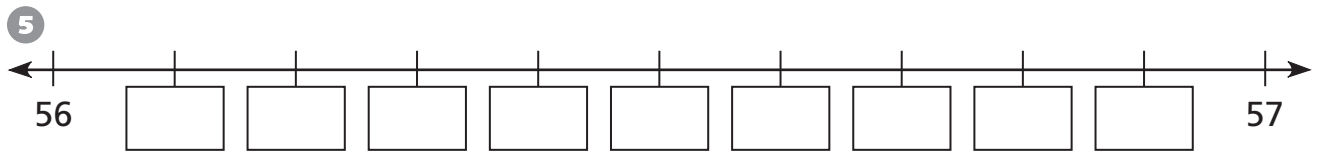
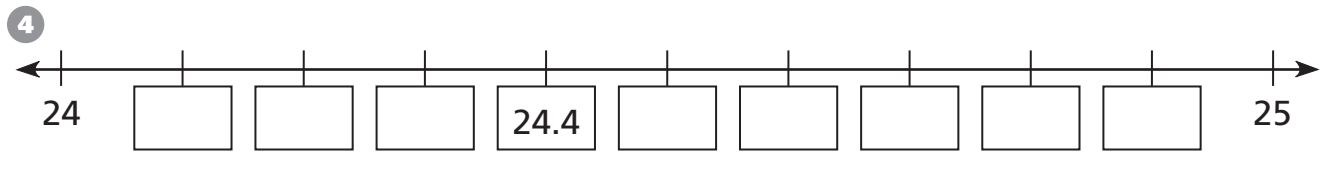
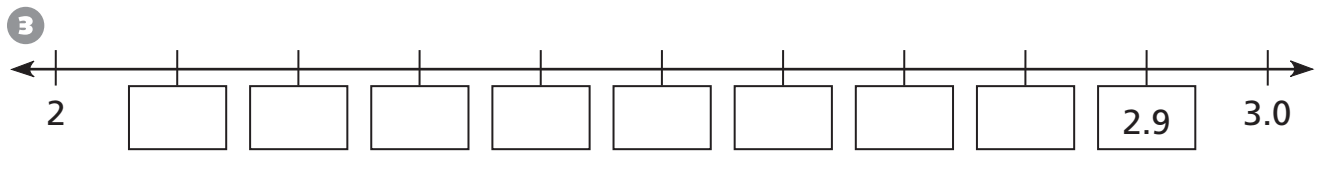
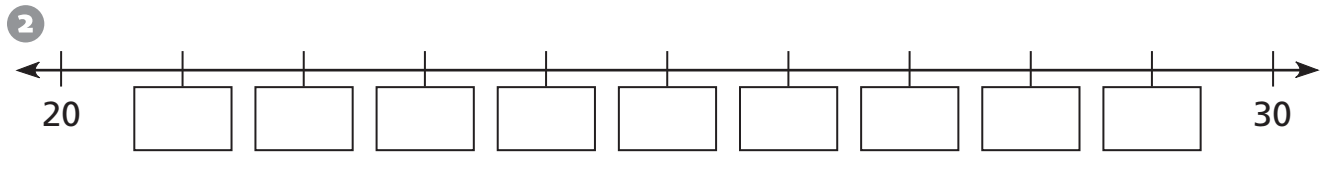
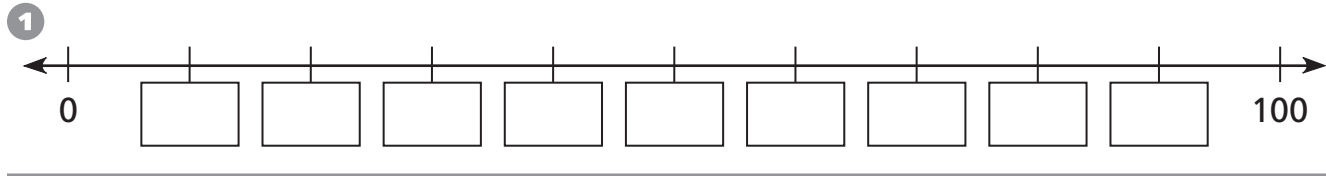


Test Prep

- 5** 8,620,013 is written as:
- A. eighty-six thousand, two hundred thirteen
 - B. eight million, six hundred twenty thousand, thirteen
 - C. eight million, sixty-two thousand, thirteen
 - D. eight million, six hundred twenty thousand, one hundred three

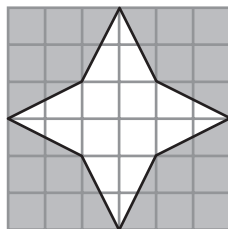
Introducing Decimals

Fill in the missing numbers.



Test Prep

6 The picture shows a square that Amy made for her quilt.



How many lines of symmetry does Amy's quilt square have?

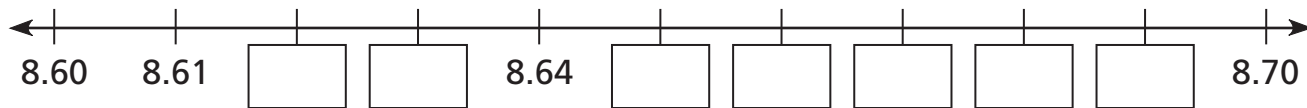
- A. 0
- B. 2
- C. 4
- D. 8

7 Which fraction is NOT equivalent to the white portion of the quilt square?

- A. $\frac{1}{3}$
- B. $\frac{12}{36}$
- C. $\frac{1}{4}$
- D. $\frac{3}{9}$

Zooming in on the Number Line

1 Fill in the missing numbers on the number line.



Write a number that is between the two numbers.

2

(2)

(3)

3

(0.5)

(1)

4

(1)

(1.5)

5

(10)

(10.3)

6

(0.8)

(0.9)

7

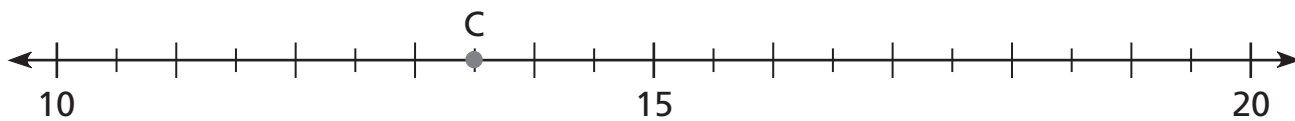
(2.4)

(2.5)



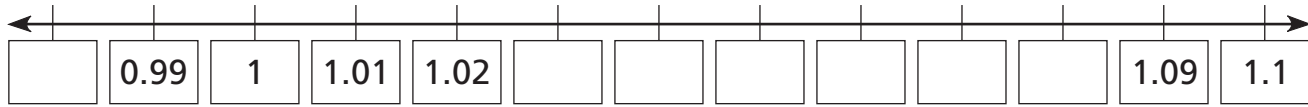
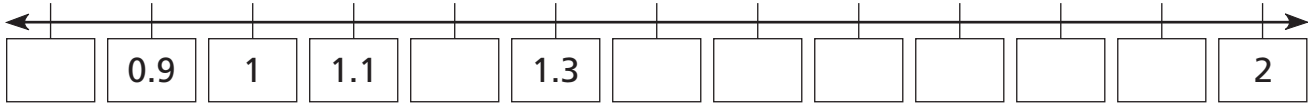
Test Prep

8 What number is represented by point C?
Explain your reasoning.



Decimals on the Number Line

1 Fill in the missing numbers.



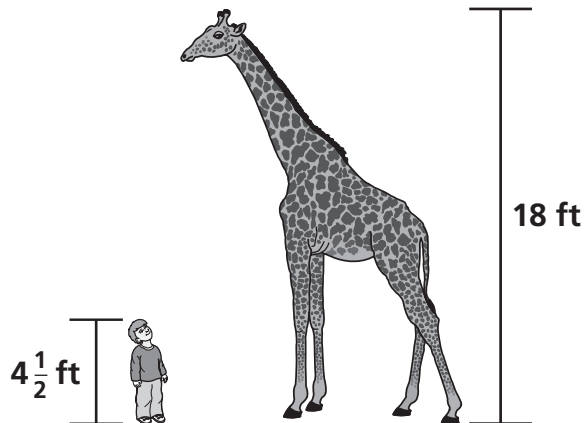
Use the number lines above to compare the numbers. Write $<$ or $>$.

2 $0.9 \bigcirc 1$	3 $1 \bigcirc .99$	4 $1 \bigcirc 1.01$
5 $0.9 \bigcirc 1.1$	6 $1.01 \bigcirc 1.1$	7 $1.1 \bigcirc 1.11$
8 $0.9 \bigcirc 0.8$	9 $1.01 \bigcirc 1.11$	10 $1.1 \bigcirc 1.09$



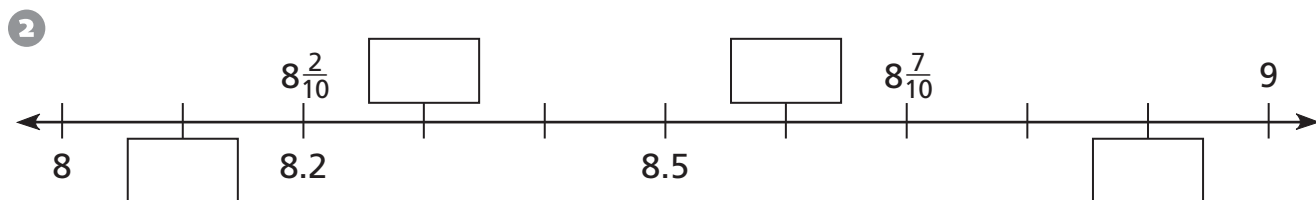
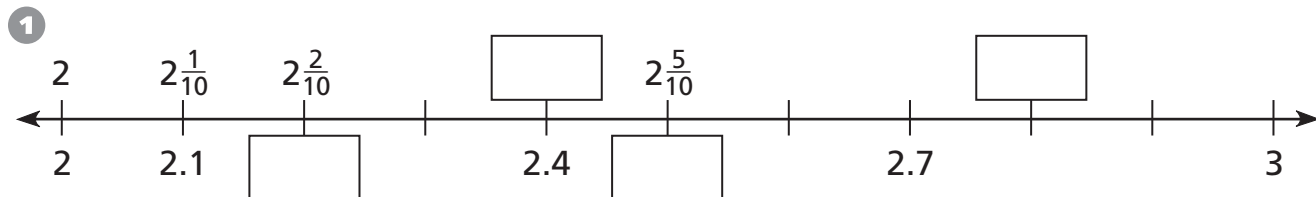
Test Prep

11 When Sean visited the zoo, he saw a giraffe that was 18 feet tall. Sean is $4\frac{1}{2}$ feet tall. How many times as tall as Sean was the giraffe? Explain your reasoning.



Connecting Fractions and Decimals

Fill in the boxes with the missing fractions or decimals.



Write the total money amount as a decimal.
Circle the amount that is less.





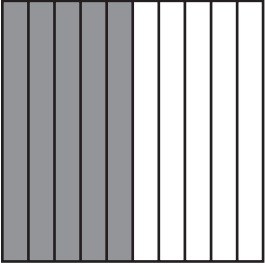
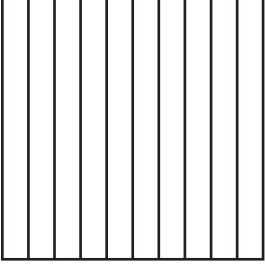
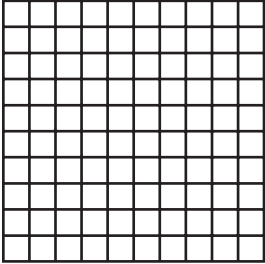
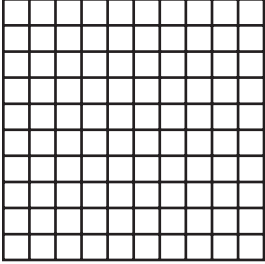


Test Prep

- 5 Each of five friends has between \$3.50 and \$4.25.
Which could be the total amount of money the five friends have?
- A. \$11.28 C. \$17.80
B. \$13.99 D. \$22.20

Representing Decimals Using a Grid

Shade each diagram to match the number below it.

<p>1</p>  <p style="text-align: center;">0.5</p>	<p>2</p>  <p style="text-align: center;">0.8</p>	<p>3</p>  <p style="text-align: center;">0.18</p>	<p>4</p>  <p style="text-align: center;">0.65</p>
--	---	---	--

5 Use the diagrams above to compare the decimals. Write $<$ or $>$.

0.5 0.6

0.5 0.52

0.18 0.5

0.8 0.1

0.1 0.18

0.8 0.52

0.65 0.52

0.83 0.8

0.6 0.83

0.18 0.83

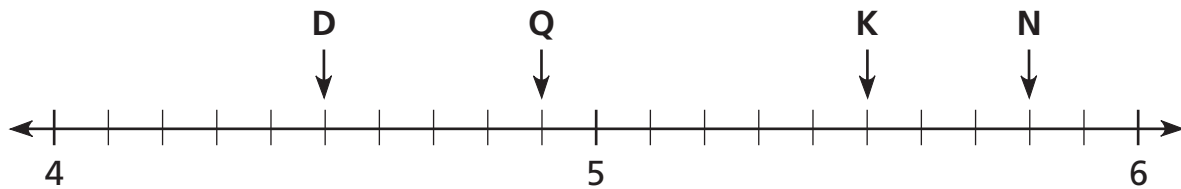
0.6 0.65

0.1 0.65



Test Prep

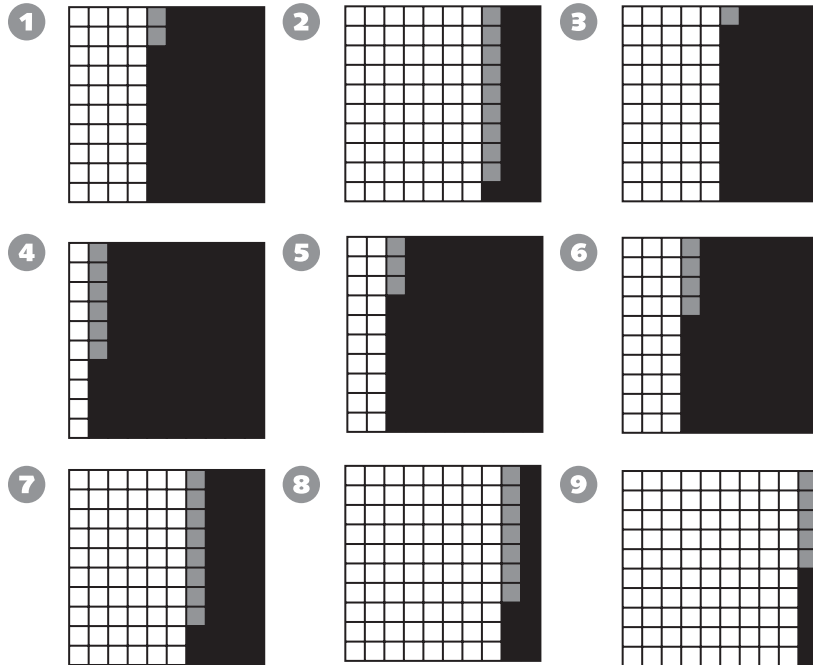
6 Which arrow on the number line is closest to 5.4?



- | | |
|------|------|
| A. D | C. K |
| B. Q | D. N |

Representing Decimals Using Base-Ten Blocks

Complete the table to match the diagrams.



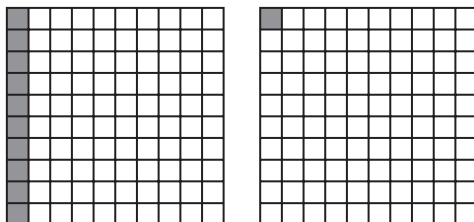
White + Gray = Total			
1	0.4	0.02	0.42
2	0.7		
3			
4			
5			
6			
7			
8			
9			

10 Write the numbers from the "Total" column in order from smallest to largest.



Test Prep

11 Which of the following is a true statement?



- A. $0.1 < 0.01$ C. $0.01 = 0.1$
 B. $0.01 > 0.1$ D. $0.1 > 0.01$

12 Jadzia had \$1.86 in her pocket. Then she found a quarter. How much money did she have in all?

- A. \$1.36 C. \$2.11
 B. \$1.61 D. \$2.36

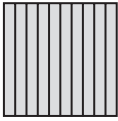
Adding Decimals

Compare. Write $<$, $>$, or $=$.

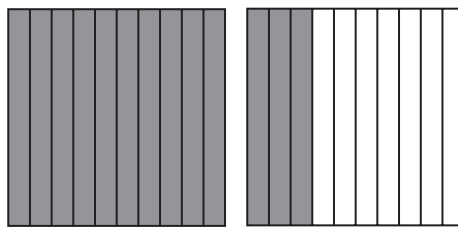
1 $1.34 \bigcirc 1.4$	2 $0.6 + 0.5 \bigcirc 1$	3 $1.3 + 0.07 \bigcirc 1.6 + 0.04$
4 $0.08 \bigcirc 0.3$	5 $0.3 + 0.6 \bigcirc 1$	6 $2.6 + 0.01 \bigcirc 2.6 + 0.05$
7 $0.4 \bigcirc 0.40$	8 $0.92 + 0.37 \bigcirc 1$	9 $3.8 + 0.02 \bigcirc 1.8 + 0.02$
10 $0.61 \bigcirc 0.9$	11 $0.29 + 0.18 \bigcirc 1$	12 $1.7 + 0.05 \bigcirc 1.9 + 0.04$
13 $0.95 \bigcirc 1.06$	14 $0.38 + 0.62 \bigcirc 1$	15 $0.9 + 0.08 \bigcirc 3.1 + 0.06$
16 $2.70 \bigcirc 2.7$	17 $0.59 + 0.54 \bigcirc 1$	18 $0.3 + 0.04 \bigcirc 0.2 + 0.14$
19 $0.88 \bigcirc 1.3$	20 $0.72 + 0.16 \bigcirc 1$	21 $0.6 + 0.09 \bigcirc 0.3 + 0.07$



Test Prep

22 If  is worth 1, which decimal is represented by the model?

Explain your reasoning.



Subtracting Decimals

Complete the table. You might use the grids to help you find the differences.

	Total	– Gray	= White
1	0.37	0.07	0.30
2	0.61	0.01	
3	0.89	0.09	
4	0.26	0.06	
5	0.94	0.04	
6	0.25	0.05	
7	0.88	0.08	
8	0.53	0.03	
9	0.42	0.02	

10 grids for visual subtraction. Each grid is 10x10. Grids 1-3 show the total (shaded gray) and the amount to subtract (shaded black). Grids 4-9 show the total (shaded gray) and the amount to subtract (shaded black) with the result (shaded white) remaining.

10 Write the numbers from the “Total” column in order from smallest to largest.



Test Prep

11 $\frac{1}{2}$ of a dollar is \$0.50.
How much is $\frac{3}{4}$ of a dollar?
Explain your reasoning.



Representing Decimals Using Money

Watch the signs!

$$\begin{array}{r} \textcircled{1} \quad \$23.78 \\ - \$9.81 \\ \hline \square \end{array}$$

$$\begin{array}{r} \textcircled{2} \quad \$8.92 \\ + \$3.45 \\ \hline \square \end{array}$$

$$\begin{array}{r} \textcircled{3} \quad \$2.40 \\ - \$0.75 \\ \hline \square \end{array}$$

$$\begin{array}{r} \textcircled{4} \quad \$3.07 \\ - \$1.82 \\ \hline \square \end{array}$$

$$\begin{array}{r} \textcircled{5} \quad \$26.32 \\ + \$19.64 \\ \hline \square \end{array}$$

$$\begin{array}{r} \textcircled{6} \quad \$3.60 \\ - \$1.43 \\ \hline \square \end{array}$$

$$\begin{array}{r} \textcircled{7} \quad \$4.19 \\ + \$2.80 \\ \hline \square \end{array}$$

$$\begin{array}{r} \textcircled{8} \quad \$5.27 \\ + \$6.08 \\ \hline \square \end{array}$$

$$\begin{array}{r} \textcircled{9} \quad \$2.83 \\ + \square \\ \hline \$2.89 \end{array}$$

$$\begin{array}{r} \textcircled{10} \quad \$4.31 \\ - \square \\ \hline \$4.27 \end{array}$$

$$\begin{array}{r} \textcircled{11} \quad \$5.48 \\ - \square \\ \hline \$5.06 \end{array}$$

$$\begin{array}{r} \textcircled{12} \quad \$1.96 \\ + \square \\ \hline \$2.03 \end{array}$$

$$\begin{array}{r} \textcircled{13} \quad \$1.24 \\ - \square \\ \hline \$1.20 \end{array}$$

$$\begin{array}{r} \textcircled{14} \quad \$3.14 \\ + \square \\ \hline \$3.54 \end{array}$$

$$\begin{array}{r} \textcircled{15} \quad \$2.22 \\ - \square \\ \hline \$1.92 \end{array}$$

$$\begin{array}{r} \textcircled{16} \quad \$0.68 \\ + \square \\ \hline \$0.70 \end{array}$$



Test Prep

- 17** Bryanna's family bought two packages of ground beef. One package weighed 0.68 lbs. The other package weighed 1.32 lbs. If ground beef cost \$2.50 a pound, what was the total cost? Explain.
