Pre-Module Assessment

Name _____ Date _____

1. Consider the number shown.

$$\underline{8},(8)25$$

Circle an answer choice from each list to make the statement true.

The value of the ___(A)___ 8 is ___(B)___ times as much as the value of the ___(C)___ 8.

A	B	C
circled	8	circled
underlined	10	underlined
	80	
	100	
	800	
	1,000	
	8,000	

2. Which choices are equivalent to 86,093?
   Choose **all** that apply.

   A. $8{,}000 + 600 + 90 + 3$

   B. $8 \times 10{,}000 + 6 \times 1{,}000 + 9 \times 10 + 3 \times 1$

   C. 860 hundreds 9 tens 3 ones

   D. Eighty-six thousand, nine hundred three

   E. 8 ten-thousands 6 hundreds 9 tens 3 ones

   F. 86 thousands 93 ones

3. Add.

   $39{,}353 + 972{,}345 + 7{,}516 =$ _____

4. Subtract.

   $7{,}056 - 3{,}589 =$ _____

5. Kayla has 42 trading cards. Blake has 3 times as many trading cards as Kayla.
   How many trading cards does Blake have?

   A. 14

   B. 39

   C. 45

   D. 126

Part B

Divide.

$987 \div 7 =$ _____

8. Divide.

   $880 \div 6$

   Quotient: _____

   Remainder (write 0 if none): _____

Pre-Module Assessment

Name _____ Date _____

1. Which fractions are equal to $\frac{4}{6}$? Choose **all** that apply.

   A. $\frac{1}{3}$

   B. $\frac{2}{3}$

   C. $\frac{3}{5}$

   D. $\frac{6}{8}$

   E. $\frac{8}{10}$

   F. $\frac{8}{12}$

2. Which expressions are equal to $2\frac{5}{8}$? Choose **all** that apply.

   A. $\frac{2}{8}+\frac{5}{8}$

   B. $\frac{16}{8}+\frac{5}{8}$

   C. $\frac{8}{8}+\frac{1}{8}+\frac{1}{8}+\frac{1}{8}+\frac{1}{8}+\frac{1}{8}$

   D. $1+\frac{1}{8}+\frac{1}{8}+\frac{1}{8}+\frac{1}{8}+\frac{1}{8}+\frac{1}{8}+\frac{1}{8}+\frac{1}{8}$

   E. $2\frac{1}{8}+\frac{4}{8}$

   F. $2+\frac{2}{8}+\frac{3}{8}$

3. Add.

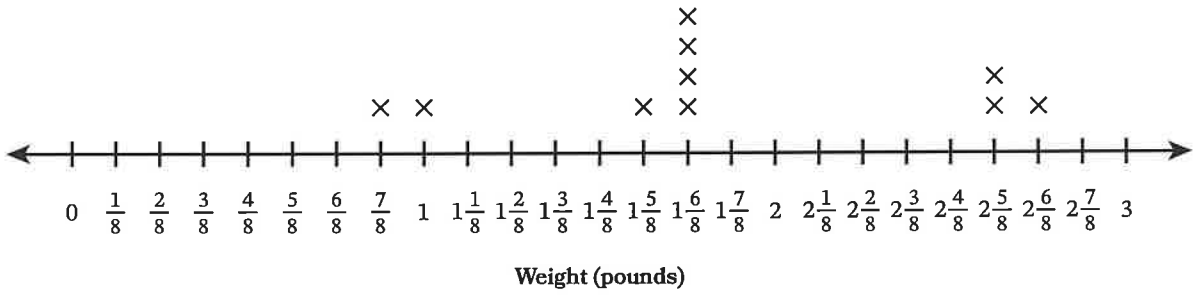
   $5\frac{4}{8}+3\frac{7}{8}=$ _____

4. Subtract.

$6\frac{2}{10} - 3\frac{3}{10} =$ _____

5. A worker at an animal rescue center measures the weights of 10 kittens. The weights of the kittens are shown on the line plot.

Weights of Kittens at the Animal Rescue Center



Part A

The rescue center gets 4 new kittens. The new kittens weigh $1\frac{5}{8}$ pounds, $2\frac{3}{8}$ pounds, $1\frac{5}{8}$ pounds, and $2\frac{2}{8}$ pounds. Plot these new weights on the line plot.

Part B

What is the weight of the heaviest kitten at the animal rescue center?

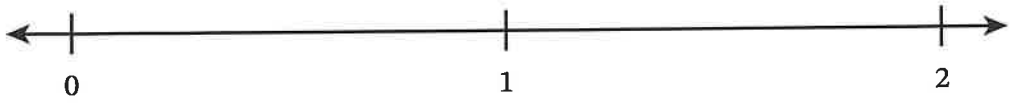
A. $1\frac{5}{8}$ pounds

B. $1\frac{6}{8}$ pounds

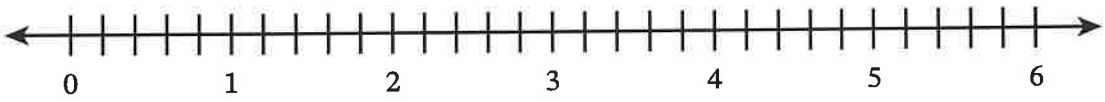
C. $2\frac{3}{8}$ pounds

D. $2\frac{6}{8}$ pounds

6. Partition the number line, and then plot and label $\frac{7}{8}$ and $\frac{13}{8}$.

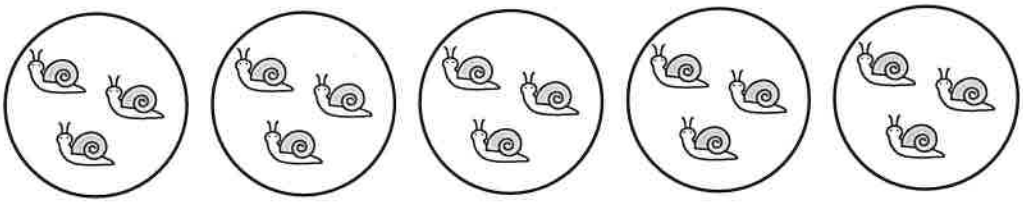


7. Use the number line to help you multiply.



$6 \times \frac{3}{5} =$ _____

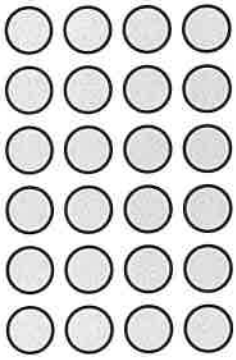
8. Create a multiplication equation to represent each situation or model. Write one number from the given answer choices in each blank. Numbers may be used more than once.



_____ × _____ = _____

Mr. Perez has 5 bottles of water. Each bottle holds 8 ounces of water.

_____ × _____ = _____



_____ × _____ = _____

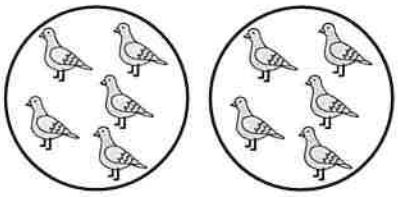
12	12	12	12	12	12	12

_____ × _____ = _____

Answer Choices

2	3	4	5	6	7	8	10	12	15	18	24	30	36	40	45	72	84	96

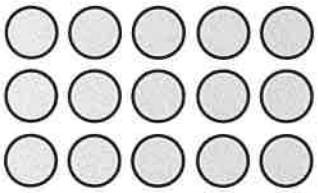
9. Create a division equation to represent each situation or model. Write one number from the given answer choices in each blank. Numbers may be used more than once.



_____ ÷ _____ = _____

Lacy has 40 feet of ribbon. She cuts the ribbon into 10 pieces of equal length.

_____ ÷ _____ = _____



_____ ÷ _____ = _____

6	6	6	6	6

_____ ÷ _____ = _____

Answer Choices

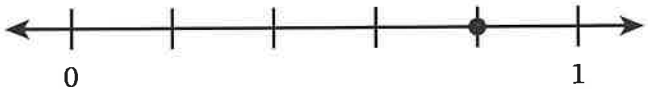
2	3	4	5	6	7	8	10	12	15	18	24	30	36	40	45	72	84	96

Pre-Module Assessment

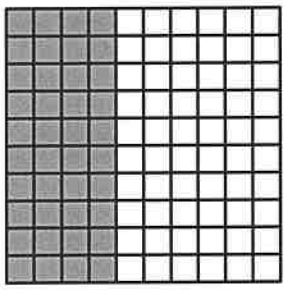
Name _____ Date _____

1. Which of these represent 0.4?

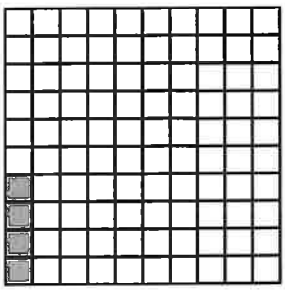
   Choose **all** that apply.

   A. 

   B. 

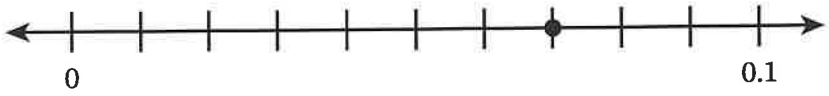
   C. 

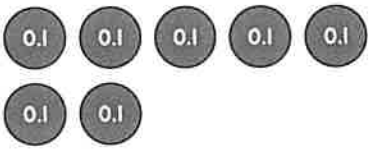
   D. 

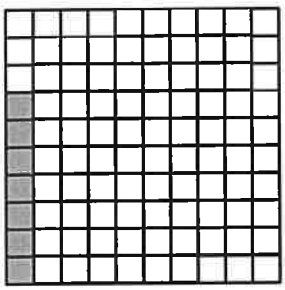
   E. 

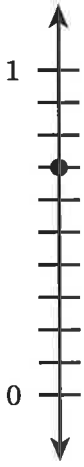
2. Which of these represent 0.07?

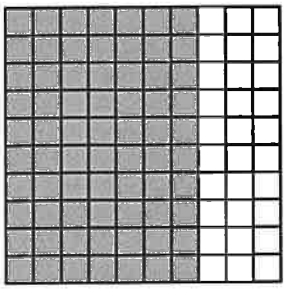
Choose **all** that apply.

A. 

B. 

C. 

D. 

E. 

3. Complete each equation. Write one number from the given answer choices in each blank.

$\frac{6}{10} =$ _____

$0.88 =$ _____

$\frac{39}{100} =$ _____

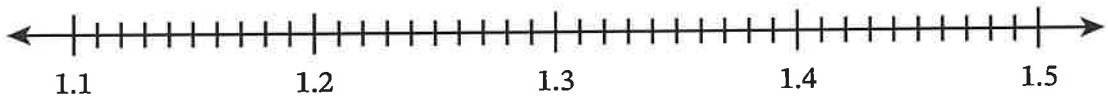
$0.7 =$ _____

Answer Choices

39	60	3.9	6	0.39	0.6	0.06	$\frac{7}{10}$	$\frac{7}{100}$	$\frac{88}{10}$	$\frac{88}{100}$

4. Use >, =, or < to compare the numbers. Use the number line to help you.

1.4 _____ 1.29



5. Complete each statement. Write one word or phrase from the given answer choices in each blank.

A rhombus has _____.

A parallelogram has _____.

A rectangle has _____.

Figure *A* shows a _____.

Figure *A*

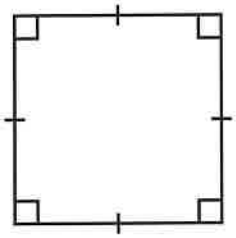


Figure *B* shows a _____.

Figure *B*

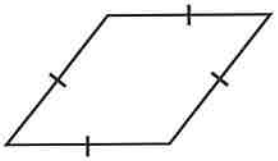
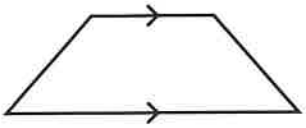


Figure *C* shows a _____.

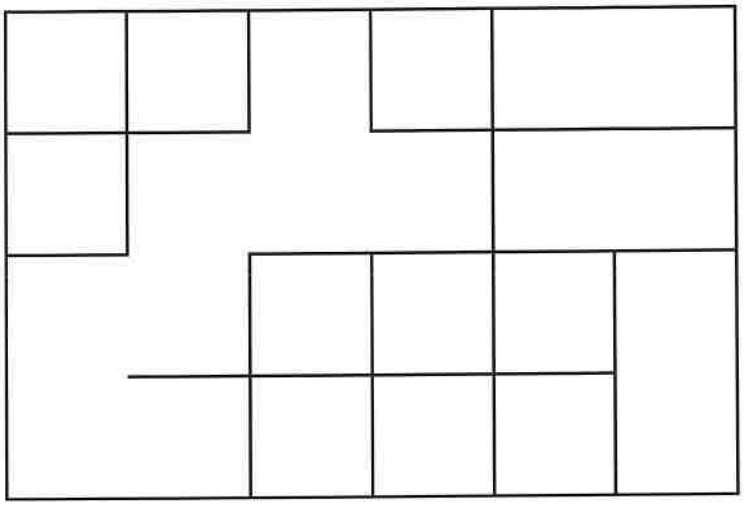
Figure *C*



Answer Choices

2 pairs of parallel sides	4 right angles	4 sides of equal length	rhombus	square	trapezoid

6. Consider the array shown. Each square represents 1 square centimeter.



Part A

Draw lines to complete the array. Then find the area of the rectangle.

The area is _____ square centimeters.

Part B

What are the side lengths of the rectangle?

The side lengths are _____ centimeters and _____ centimeters.

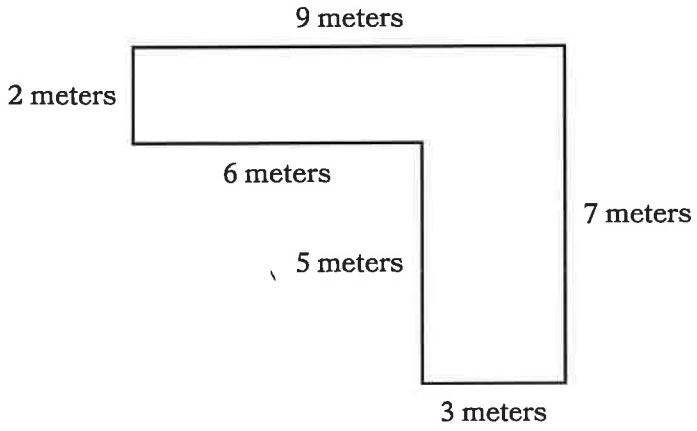
Part C

Complete the equation to show the area of the rectangle. Then find the area.

Equation: _____ × _____ = _____

Area: _____ square centimeters

7. Find the area of the shape.



The area of the shape is _____ square meters.

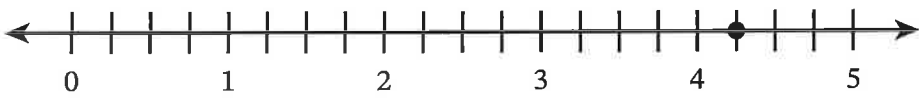
8. A rectangular sign has an area of 162 square inches. The sign is 9 inches wide. What is the length of the sign?

The sign is _____ inches long.

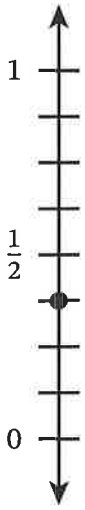
Pre-Module Assessment

Name _____ Date _____

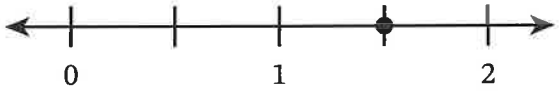
1. Match each number to label the point plotted on the number line.



$\frac{3}{8}$



$\frac{3}{2}$



$\frac{17}{4}$

2. Consider the rule: Add 4.

Part A

Starting with the number 6, create a pattern by using the rule: Add 4. Write the first five terms of the pattern.

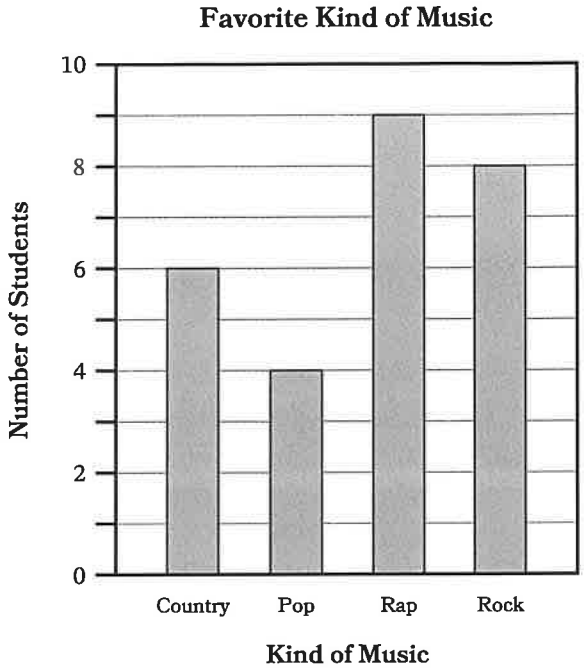
_____, _____, _____, _____, _____

Part B

Without extending the pattern, find the 20th term of the pattern.

The 20th term is _____.

3. Miss Baker's class voted for their favorite kind of music. The results are shown.



Part A

How many more students voted for rap than voted for pop?

A. 4

B. 5

C. 9

D. 13

Part B

How many fewer students voted for country than voted for rock?

A. 1

B. 2

C. 6

D. 8

Part C

How many total students voted for either pop or rap?

A. 10

B. 12

C. 13

D. 15