Jim uses ribbon to make bookmarks. Jim has 9 feet of ribbon. He uses $\frac{1}{3}$ foot of ribbon to make each bookmark.

What is the total number of bookmarks Jim makes with all 9 feet of ribbon?

Enter your answer in the box.

[   ] bookmarks

1. What do you know about the problem?

2. What questions do you have?

3. Explain your reasoning or thinking in solving the problem.

Enter your answer in the box.

$$3 \times (8 + 16) \div 4 = \boxed{}$$

1. What do you know about the problem?

2. What questions do you have?

3. Explain your reasoning or thinking in solving the problem.

Len walks $\frac{3}{10}$ mile in the morning to school. He walks $\frac{2}{5}$ mile in the afternoon to a friend's house.

Len says that he walks a total of $\frac{5}{15}$ mile in the morning and afternoon.

Which **two** statements are true?

☐ A. Since $\frac{3}{10}$ plus $\frac{2}{5}$ is $\frac{5}{15}$, the total of $\frac{5}{15}$ is reasonable.

☐ B. Since $\frac{5}{15}$ is less than $\frac{2}{5}$, the total of $\frac{5}{15}$ is not reasonable.

☐ C. The fractions $\frac{5}{15}$, $\frac{3}{10}$, and $\frac{2}{5}$ are all less than $\frac{1}{2}$, so the total of $\frac{5}{15}$ is reasonable.

☐ D. The fraction $\frac{5}{15}$ is $\frac{1}{3}$, and $\frac{1}{3}$ is greater than $\frac{3}{10}$. Since $\frac{5}{15}$ is greater than one of the addends,

the total of $\frac{5}{15}$ is reasonable.

☐ E. The fractions $\frac{3}{10}$ and $\frac{2}{5}$ are each greater than $\frac{1}{4}$. so the total must be greater than $\frac{1}{2}$. The

fraction $\frac{5}{15}$ is less than $\frac{1}{2}$, so the total of $\frac{5}{15}$ is not reasonable.

1. What do you know about the problem?

2. What questions do you have?

3. Explain your reasoning or thinking in solving the problem.

Drag and drop one number into each box. When you are finished, the number inside each box should match the number below the box when rounded to the nearest hundredth.

| 5.025 | 5.079 | 5.103 | 5.117 | 5.066 | 5.108 |

5.07	5.08	5.10	5.11

1. What do you know about the problem?

2. What questions do you have?

3. Explain your reasoning or thinking in solving the problem.

Which explanation about figures is correct?

○   A. All rhombuses are parallelograms. Parallelograms have 2 pairs of parallel
        sides. Therefore, all rhombuses have 2 pairs of parallel sides.

○   B. All rhombuses are parallelograms. Parallelograms have exactly 1 pair of
        parallel sides. Therefore, all rhombuses have exactly 1 pair of parallel
        sides.

○   C. Only some rhombuses are parallelograms. Parallelograms have 2 pairs of
        parallel sides. Therefore, only some rhombuses have 2 pairs of parallel
        sides.

○   D. Only some rhombuses are parallelograms. Parallelograms have exactly
        1 pair of parallel sides. Therefore, only some rhombuses have exactly
        1 pair of parallel sides.

1. What do you know about the problem?

2. What questions do you have?

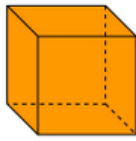3. Explain your reasoning or thinking in solving the problem.

This table shows the three different ways that toy animals are packaged at a factory.

Package Type	Amount in the Package
Bag	36 toy animals
Box	48 bags
Crate	18 boxes

Bag
36 toy animals

Box
48 bags
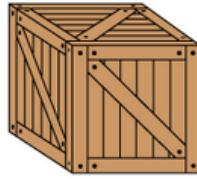
Crate
18 boxes
not to scale

Part A

What is the total number of toy animals in one crate?

Enter your answer in the box.

[   ] toy animals

Part B

One bag of toy animals weighs 12 ounces. What is the total weight, in ounces, of the bags of toy animals in one crate?

Enter your answer in the box.

[   ] ounces

1. What do you know about the problem?

2. What questions do you have?

3. Explain your reasoning or thinking in solving the problem.

Isabel lives $\frac{3}{4}$ mile from school. Janet lives $\frac{2}{3}$ mile from school.

How much farther, in miles, does Isabel live from school than Janet? Enter your answer in the space provided. Enter **only** your fraction.

| ⟳ | ↺ | C | ⌫ | + | − | × | ÷ | ▤ | ▦ | = | < | > |

| (·) | ? |

▾ Numbers

0	1	2
3	4	5
6	7	8
9	,	.

▾ Arithmetic and Units

| ≠ | [·] | $ |

1. What do you know about the problem?

2. What questions do you have?

3. Explain your reasoning or thinking in solving the problem.

Drag and drop the names to complete the diagram that shows the relationship among the figures listed. Each category will be used only once.

rhombuses	rectangles
parallelograms	quadrilaterals

Are always

Are always   Are always

Are always   Are always

squares

1. What do you know about the problem?

2. What questions do you have?

3. Explain your reasoning or thinking in solving the problem.

Part A

Enter your answer in the box.

$6.3 \times 0.1 =$ [ ]
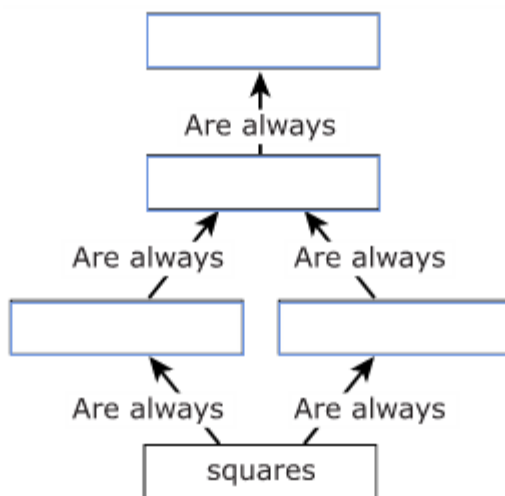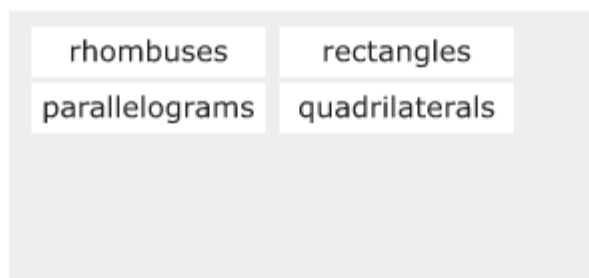
Part B

Enter your answer in the box.

$6.3 \div 0.1 =$ [ ]

1. What do you know about the problem?

2. What questions do you have?

3. Explain your reasoning or thinking in solving the problem.

Emma has a board that is 5-feet long. She cuts the board into 6 equal pieces.

Which equation shows how to find the length, in feet, of each piece of the board?

○ A. $5 \times 6 = 30$

○ B. $6 - 5 = 1$

○ C. $6 \div 5 = 1\frac{1}{5}$

○ D. $5 \div 6 = \frac{5}{6}$

1. What do you know about the problem?

2. What questions do you have?

3. Explain your reasoning or thinking in solving the problem.

Drag and drop the expression that matches each statement into the correct box. Each expression may be used more than once or not at all.

| $2+4-9$ | $9-2+4$ | $9-(2+4)$ |

the sum of 2 and 4 subtracted from 9	add 2 and 4, then subtract 9	subtract 2 from 9, then add 4

1. What do you know about the problem?

2. What questions do you have?

3. Explain your reasoning or thinking in solving the problem.

Complete each conversion by dragging and dropping the correct number into the box.

| 0.07 | 0.7 | 70 | 700 | 7000 |

7 mm = [   ] cm

7 cm = [   ] m

[   ] m = 7 km

1. What do you know about the problem?

2. What questions do you have?

3. Explain your reasoning or thinking in solving the problem.

Select a phrase from each drop-down menu to correctly complete each sentence.

The product of $\frac{3}{5}$ and 4 is [Choose... ▼] 4.

The product of $1\frac{1}{2}$ and 2 is [Choose... ▼] 2.

The product of $\frac{5}{2}$ and $\frac{13}{4}$ is [Choose... ▼] $\frac{13}{4}$.

Choose...
less than
equal to
greater than

1. What do you know about the problem?

2. What questions do you have?

3. Explain your reasoning or thinking in solving the problem.

5th Grade PARCC EOY Sample Assessment Item #30: Standard NF.7c

Mr. Edwards is making sandwitches. He has 4 pounds of cheese. He puts $\frac{1}{8}$ pound of cheese in each sandwich.

What is the total number of sandwiches Mr. Edwards made using all 4 pounds of cheese?

Enter your answer in the box.

[   ] sandwiches

1. What do you know about the problem?

2. What questions do you have?

3. Explain your reasoning or thinking in solving the problem.

Part A

A company sells phones for $515.00 each.

What is the total amount of money the company earns from selling 856 phones?

Enter your answer in the box.

$ [   ]

Part B

The parts to build these phones cost $189.00 for each phone.

What is the total cost of parts to build 856 phones?

Enter your answer in the box.

$ [   ]

1. What do you know about the problem?

2. What questions do you have?

3. Explain your reasoning or thinking in solving the problem.