Label Diagrams and Graphic Organizers
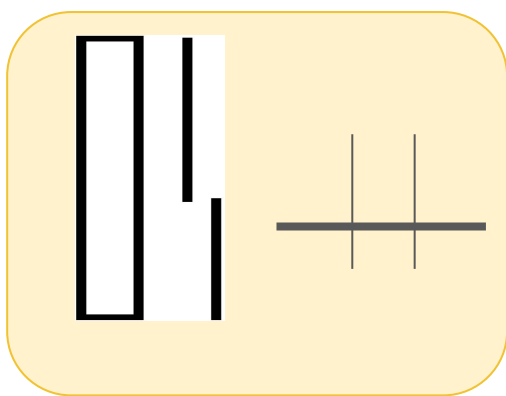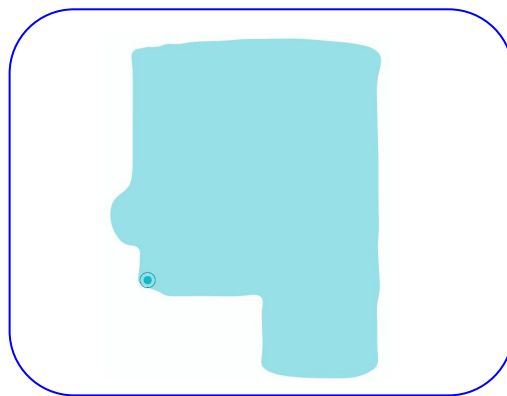
Label the graphic organizer with the letter that describes its use.

A - Add and subtract fractions
C - Linear diagram (+ and -)
E - Division

B - Matrix (area) diagram (× and ÷)
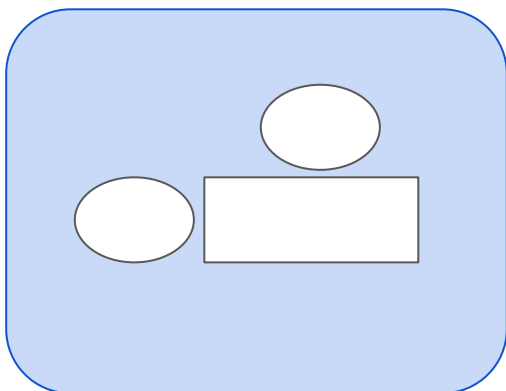D - Multiply by a two-digit factor
F - Multiply by a one-digit factor

Letter ___

Letter ___

Letter ___
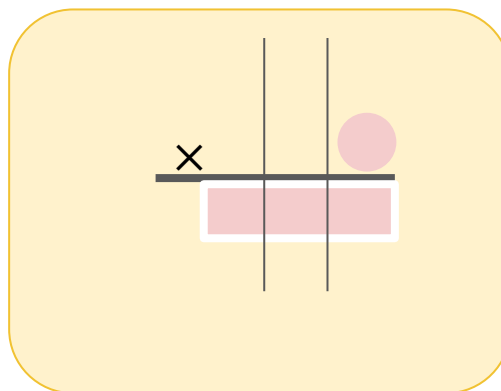
Letter ___

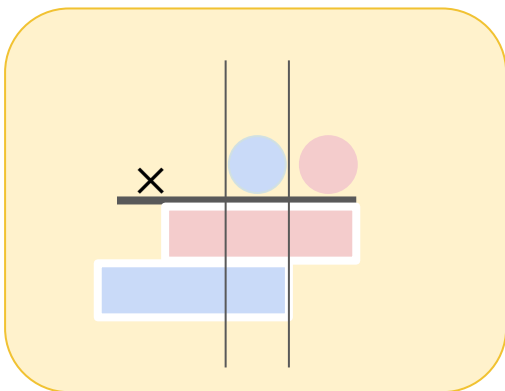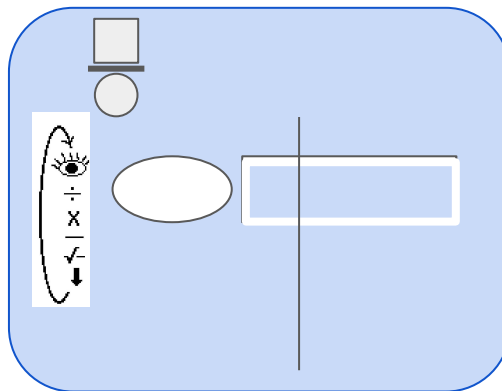Letter ___

Letter ___

Graphic Organizers For Computations

WOODIN MATH Template
User -Adapted

Worksheet Set A

Copy the problem onto the appropriate graphic organizer and solve.

12.00 - 1.95

$$\frac{7}{8} - \frac{1}{4}$$

151 × 8

198 ÷ 9
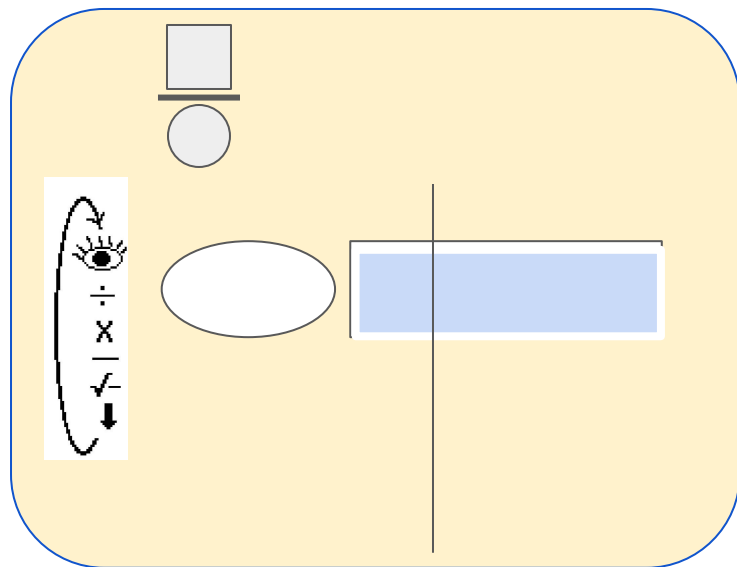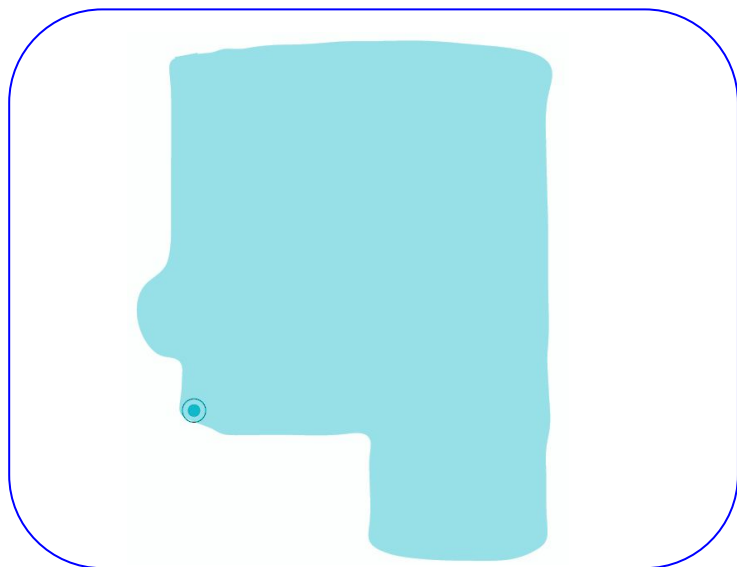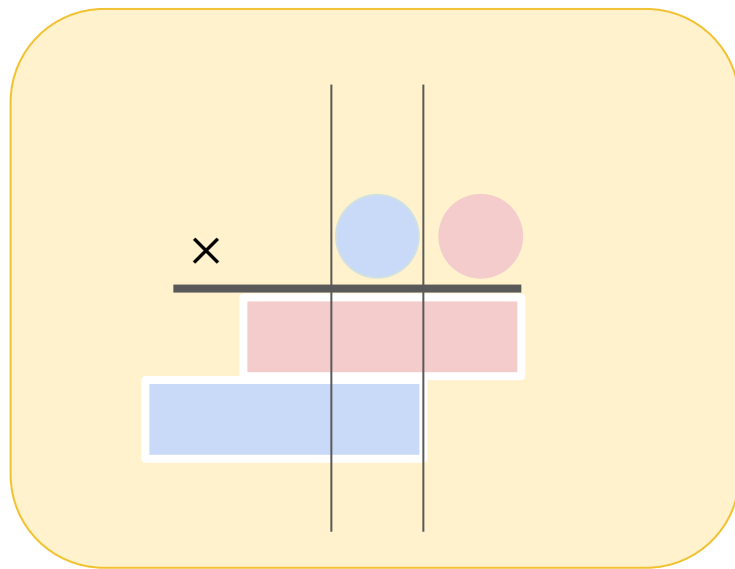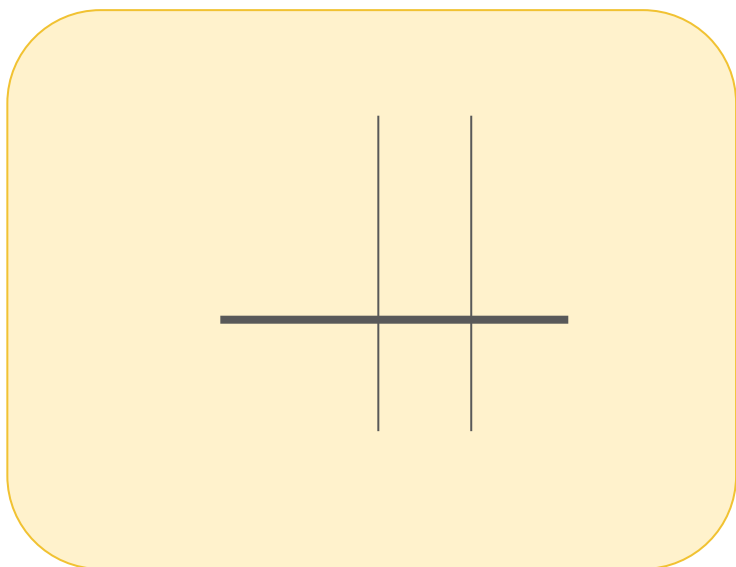
Copy and paste these sets of problems onto the

Graphic Organizers For Computations Template to create worksheets.

• Use these samples to create your own problems to match the skill set of your students.

Worksheet Set A

12.00 - 1

$\dfrac{1}{4}$ - $\dfrac{1}{8}$

151 × 8

198 ÷ 9

Worksheet Set B

12.00 + 1.95

$2\dfrac{7}{8}$ + $5\dfrac{1}{4}$

108 ÷ 9

108 × 9

Worksheet Set C

15 × 12

198 ÷ 11

12.00 - 1.95

$\dfrac{7}{8}$ - $\dfrac{1}{4}$

Worksheet Set T1

$\dfrac{}{8}$ - $\dfrac{1}{2}$

_____ + _____

_____ ÷ _____

_____ × _____

Diagrams and Graphic Organizers For Word Problems

Diagrams for Word Problems

A

B
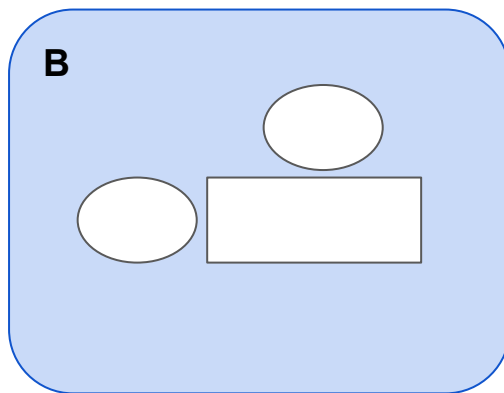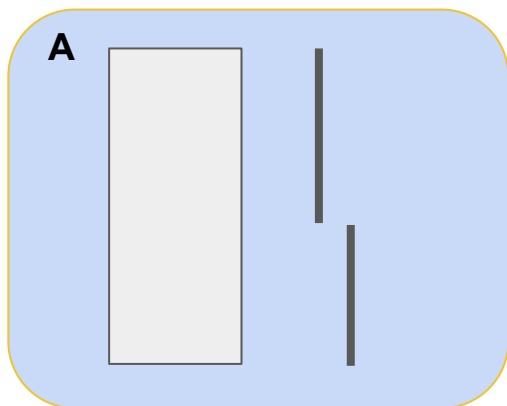
Graphic Organizers for Procedures

C

D

×

E

F

4 Operation Word
Problem Template A

WOODIN MATH
User-Adapted
Worksheet Template

4 Op. A

Use the diagrams and graphic organizers to solve the problems, and write your answers below.

1) A glass had 8 inches of water in it. Someone drank 3 inches of the water. How many inches of water were left?

2) There were 15 cars in the parking lot. Each car has 4 tires. How many tires were in the parking lot?

The best **diagram** to complete is: _____

The **graphic organizer** I will use is: _____

Answer:

_____

_____

The best **diagram** to complete is: _____

The **graphic organizer** I will use is: _____

Answer:

_____

_____

3) There were 88 tires in the parking lot. Each car has 4 tires. How many cars were in the parking lot?
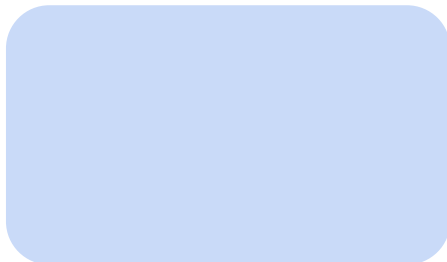
4) A plant was ¾ inches tall. It grew ½ inch in a week. How tall was the plant after it grew?

Draw the diagram:

The **graphic organizer** I will use is: _____

Answer: _____

_____
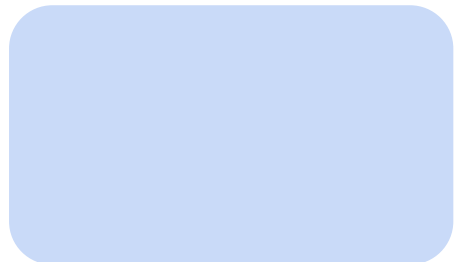
Draw the diagram:

The **graphic organizer** I will use is: _____

Answer: _____

_____

4 Operation Word Problem Template A

Teachers: Customize this template by replacing each word problem from the following page(s).
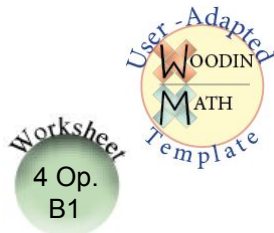
4 Op. B1

WOODIN MATH

User-Adapted Worksheet Template

Use the diagrams and graphic organizers to solve the problems, and write your answers below.

---

1) Ben walked a distance of 1.2 km. Alice walked a distance of 2.5 km.
What is the total distance that Ben and Alice walked?

*The best **diagram** to complete is: _____*

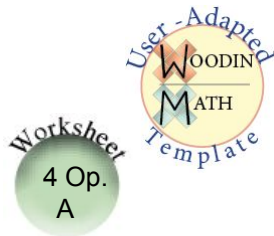*The **graphic organizer** I will use is: _____*

Answer:

_____

_____

---

2) There were 15 boxes of crayons on a shelf. Each box has 9 crayons in it.
What is the total number of crayons on the shelf?

*The best **diagram** to complete is: _____*

*The **graphic organizer** I will use is: _____*

Answer:

_____

_____

---

3) Jack's bedroom is 11 feet wide.
It has an area of 165 square feet.
What is the length of the room?

***Draw** the diagram:*

*The **graphic organizer** I will use is: _____*

Answer:

_____

_____

---

4) Carrots were planted in ⅕ of a garden.
Peas were planted in ⅖ of a garden.
What total fraction of the garden was made up of carrots and peas?

***Draw** the diagram:*

*The **graphic organizer** I will use is: _____*

Answer:

_____

_____

Copy and paste these sets of problems onto the 4 Operation Word Problem Template A (link) to create worksheets.
 • Use these samples to create your own problems to match the skill set of your students.

Worksheet
4 Op.
A
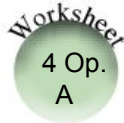
Easier set:

1) A glass had 8 inches of water in it.
Someone drank 3 inches of the water.
How many inches of water were left?

2) There were 15 cars in the parking lot.
Each car has 4 tires.
How many tires were in the parking lot?

3) There were 88 tires in the parking lot.
Each car has 4 tires.
How many cars were in the parking lot?

4) A plant was ¾ inches tall. It grew ½ inch in a week.
How tall was the plant after it grew?

Worksheet
4 Op.
B

Harder set:

1) Ben walked a distance of 1.2 km. Alice walked a distance of 2.5 km.
What is the total distance that Ben and Alice walked?

2) There were 15 boxes of crayons on a shelf. Each box has 9 crayons in it.
What is the total number of crayons on the shelf?

3) Jack's bedroom is 11 feet wide.
It has an area of 165 square feet.
What is the length of the room?

4) Carrots were planted in ⅕ of a garden.
Peas were planted in ⅗ of a garden.
What total fraction of the garden was made up of carrots and peas?

Worksheet
4 Op.
C

Teacher- Adapted set:

1) Ben walked a distance of ___ km. Alice walked a distance of ___km.
What is the total distance that Ben and Alice walked?

2) There were ___ boxes of crayons on a shelf. Each box has ___crayons in it.
What is the total number of crayons on the shelf?

3) Jack's bedroom is ___ feet wide.
It has an area of ___ square feet.
What is the length of the room?

4) Carrots were planted in ____of a garden.
Peas were planted in____of a garden.
What total fraction of the garden was made up of carrots and peas?

Copy and paste these sets of problems onto the 4 Operation Word Problem Template (link) to create worksheets. Use these samples to create your own problems to match the skill set of your students.

Worksheet
4 Op.
D

Easier set:

1) Sue had 23 cookies. She gave 5 cookies away.
How many cookies does Sue have?

2) Sara has 25 packs of Pokemon cards. Each pack has 10 cards. How many Pokemon cards do she have in all ?

3) There are 34 bicycle tires in a workshop. It takes 2 tires to make a bicycle. How many bicycles can be made?

4) There was 6 ½ inches of water in a glass. Katie drank 1 ½ inches of the water.
How much water was left in the glass?

Worksheet
4 Op.
E

Harder set:

1)   Lucy put crayons into 23 cups for her art teacher. She put exactly 9 crayons into each cup. What is the total number of crayons Lucy put into the cups?

2)   The basketball team scored a total of 86 points in a game. Max scored 27 points in the game. How many points did the rest of the team score?

3)   Ben used $\frac{1}{2}$ of the stamps in the office to mail letters. His sister used $\frac{3}{8}$ of the stamps. What fraction of the stamps did they use in all?

4) Mr. Mann has 252 inches of ribbon. He is going to make 9 bows. How much ribbon can he use to make each bow?

Worksheet
4 Op.
F

Teacher- Adapted set:

1)   Megan put crayons into _____ cups for her art teacher. She put exactly ____ crayons into each cup. What is the total number of crayons Megan put into the cups?

2)   The basketball team scored a total of _____ points in a game. Elijah scored ____ points in the game. How many points did the rest of the team score?

3)   Luke used _____ of the stamps in the office to mail letters. His brother used _____ of the stamps. What fraction of the stamps did they use in all?

4) Ms. Wilkes has _____ inches of ribbon. Shee is going to make _____ bows. How much ribbon can she use to make each bow?

Copy and paste these sets of problems onto the 4 Operation Word Problem Template (link) to create worksheets. Use these samples to create your own problems to match the skill set of your students.

Easier set:

1) Meg was 4 ½ ft tall. Over the summer, she grew ¼ ft.
What was her new height?

2) Kevin brought home 24 eggs from the store. There are 12 eggs in a dozen. How many dozen eggs did he have?

3) A log was 12 feet long. Ben cut 9 feet off. How long is the log?

4) There are 23 children in the classroom. Each student will get 2 pencils. How many pencils will the teacher have to give out ?

Harder set:

1) Dylan brought $10.00 to the fair. He spent $2.79 on cotton candy. How much money did Dylan have left?

2) There was a shelf of pencil boxes. The shelf had 225 pencils on it. There were 9 boxes that were evenly filled with pencils. How many pencils were in each box?

3) A student mixes $\frac{7}{100}$ liter of water with $\frac{3}{10}$ liters of oil. How many liters in all are in the student's mixture?

4) Daniel has 11 times as many baseball cards as Clint. Clint has 250 baseball cards. How many cards does Daniel have?

Teacher-Adapted set:

1) Jack brought $_____ to the fair. He spent $_____ on cotton candy. How much money did Jack have left?

2) There was a shelf of pencil boxes. The shelf had _____ pencils on it. There were _____ boxes that were evenly filled with pencils. How many pencils were in each box?

3) A student mixes _____ liter of water with _____ liters of oil. How many liters in all are in the student's mixture?

4) Kaitlin has _____ times as many baseball cards as Matt. Matt has _____ baseball cards. How many cards does Kaitlin have?

Copy and paste these sets of problems onto the 4 Operation Word Problem Template (link) to create worksheets. Use these samples to create your own problems to match the skill set of your students.

Worksheet
4 Op.
J

Easier set:

1) Keith bought 5 dozen eggs from the grocery store to bake some cakes. There are 12 eggs in a dozen.
How many eggs did Keith buy?

2) Betsy's hair was 15 inches long. She cut off 7 inches.
How long is her hair now?

3) An ice pop was 11 ¾ inches long. Susie ate 5 ¼ inches of the ice pop.
How long was the ice pop after she ate it?

4) There are 27 tennis balls in the garage. Tennis balls come in packs of 3. How many packs are in the garage?

Worksheet
4 Op.
K

Harder set:

1) Each classroom has 22 student desks. There are 15 classrooms in the building. How many student desks are there?

2) It snowed 7.9 inches on Monday and 9.5 inches on Tuesday. How much did it snow on Monday and Tuesday combined?

3) Kylie ran $2 \frac{1}{2}$ miles on Saturday. She also ran on Sunday. Altogether she ran $5 \frac{3}{4}$ miles on the weekend. How many miles did she run on Sunday?

4) A math teacher has $116 to buy new calculators. If each calculator costs $4, how many calculators can the teacher buy?

Worksheet
4 Op.
L

Teacher-Adapted set:

1) Each classroom has ____ student desks. There are ___classrooms in the building. How many student desks are there?

2) It snowed ____ inches on Monday and _____ inches on Tuesday. How much did it snow on Monday and Tuesday combined?

3) Kylie ran   miles on Saturday. She also ran on Sunday. Altogether she ran   miles on the weekend. How many miles did she run on Sunday?

4) A math teacher has $____ to buy new calculators. If each calculator costs $___, how many calculators can the teacher buy?

4 Operation Word Problem Template B
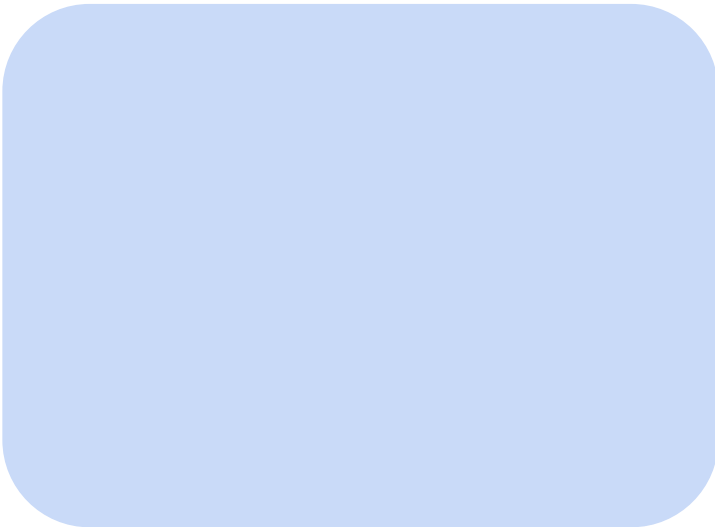
WOODIN MATH Template
User-Adapted

Worksheet
4 Op.
k

1) A music teacher spent $115 on harmonicas. He paid $5 for each harmonica. How many harmonicas did he buy?

2) A sunflower was 3 ½ ft tall. Overnight a chipmunk ate ¼ ft. What was the new height?

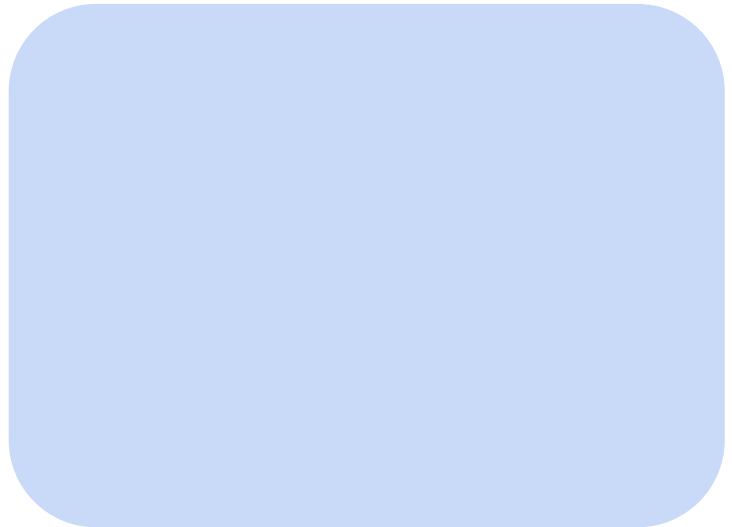*Complete a diagram*

Complete a graphic organizer

Answer:

Complete a diagram

Complete a graphic organizer

Answer:

Copy and paste these sets of problems onto the 4 Operation Word Problem Template B (link) to create worksheets. Use these samples to create your own problems to match the skill set of your students.

Worksheet
4 Op. k

1) A music teacher spent $115 on harmonicas. He paid $5 for each harmonica. How many harmonicas did he buy?

2) A sunflower was 3 ½ ft tall. Overnight a chipmunk ate ¼ ft. What was the new height?

Worksheet
4 Op. L

1) Charlie lives .67 miles from school. Kylie lives 1.2 miles farther than Charlie. How far is the distance that Kylie lives from the school?

2) A bag of cookies sells for $3 at a bake sale. Liam sold 29 bags of cookies in the first hour of the bake sale. What is the amount of money he earned selling cookies?

Worksheet
4 Op. M

1) Jessica biked for 9.5 miles, then took a break. She then biked for another 8.25 miles. How far did she bike in all?

2) Jackie made $57 dollars selling bags of cookies at a bake sale. Each bag sold for $3. How many bags did she sell?

Teacher-Adapted set:

Worksheet
4 Op. N

1) Jessica biked for _____ miles, then took a break. She then biked for another _____ miles. How far did she bike in all?

2) Jackie made $_____ dollars selling bags of cookies at a bake sale. Each bag sold for $___. How many bags did she sell?