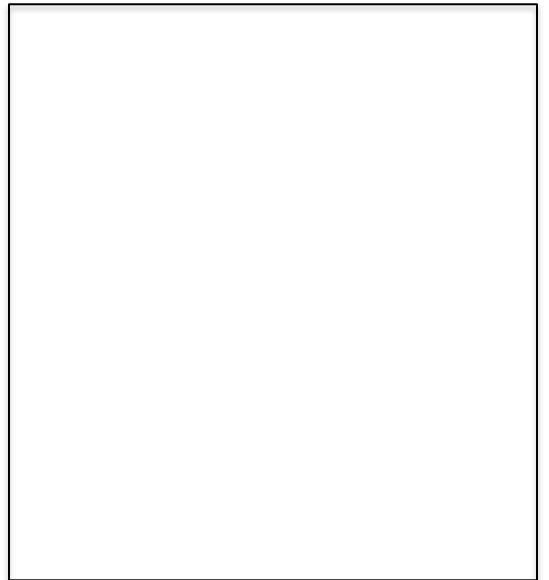
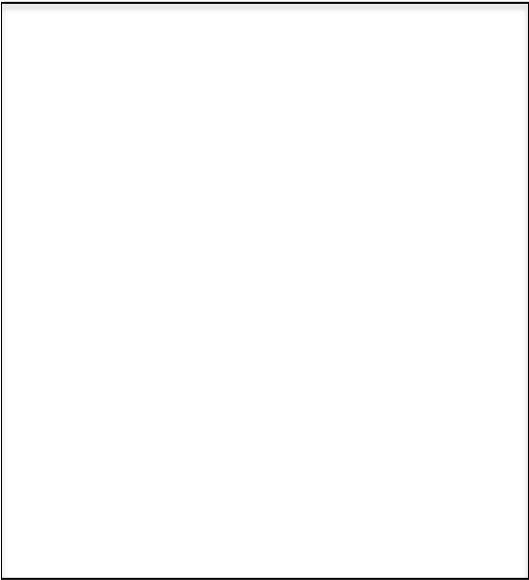
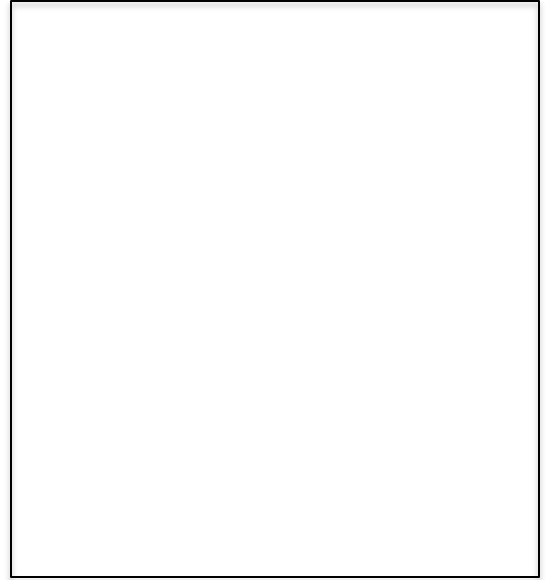
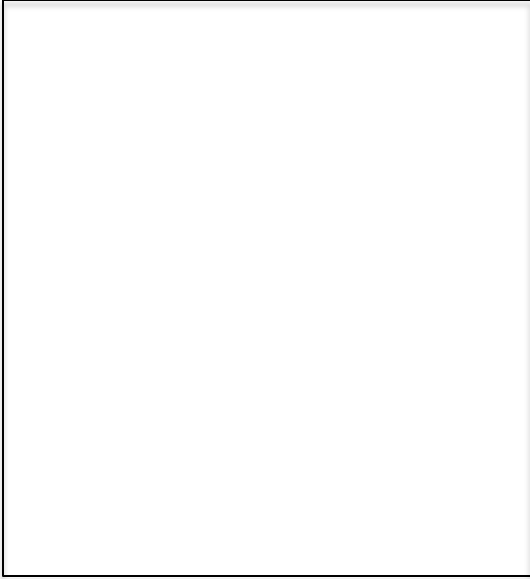


Solving Word Problems Using Schemas



ADDITIVE PROBLEM TYPES

COMBINE	COMPARE	CHANGE

Mr. Jones has 8 pet crickets and 3 pet fish in his classroom. He also has 6 plants. How many pets does Mr. Jones have in his classroom?

Ella and Susan planted 12 flower seeds. Ella planted 3 flower seeds and 2 trees. How many flower seeds did Susan plant?

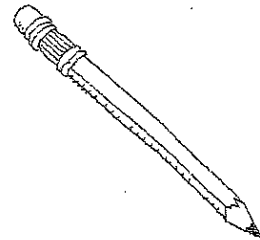
Farmer Hank has 6 more cows than horses. He has 4 horses. He also has 9 chickens. How many cows does he have?

In the morning, it rained 2 inches. Then in the afternoon it rained some more. Over the whole day, it rained 5 inches. How many inches did it rain in the afternoon?

.....
53. Antonio has 29 cookies. Thirteen of the cookies are chocolate chip. The rest are oatmeal. How many cookies are oatmeal?

Ramón has a total of 815 sheep in two fields. He has 348 sheep in one of the fields. How many sheep does Ramón have in the other field?

Max had 7 pencils in his desk.
He gave some of the pencils away.
He had 4 pencils left in his desk.
How many pencils did Max give away?



Mrs. Lanier saved \$617 in January. In February she spent \$249 of the money she had saved. She saved \$291 more in March. Which number sentence can be used to find the amount of money Mrs. Lanier had at the end of March?

There were 17 apples in a basket and 63 apples in a barrel. How many fewer apples were in the basket than were in the barrel?

.....
168. The little dog has 13 spots on his back. The big dog has 5 more spots than the little one. How many spots do they have altogether?

MULTIPLICATIVE PROBLEM TYPES

EQUAL GROUPS	COMPARISON	COMBINATIONS

Ms. Thompson sold 6 cartons of cherries at the Farmers' Market on Saturday. Each carton holds 25 cherries. How many cherries did she sell?

.....
165. A fish tank holds 20 gallons of water. If you have to fill up the fish tank using a 5-gallon bucket, how many bucketfuls will you need?

Niah packed 24 dozen candles into 3 boxes. She packed an equal number of candles into each box. How many candles did Niah pack into each box?

Each of 16 students in a class made a poetry book. Each book contained 24 poems. How many poems are in 16 books?

.....
140. Tammy has 7 trophies. Her mom has twice as many trophies. How many trophies does Tammy's mom have?

If a scuba diver could carry 36 coins to the surface in one trip, how many trips would it take to carry 108 coins?

Zenobia put 3 large pictures and 4 small pictures on each page of a photo album. What is the total number of large pictures and small pictures on 9 pages of the album?

There are 27 large T-shirts and 15 small T-shirts in a box. Each T-shirt costs \$9. What is the cost of all the T-shirts in the box?

.....
4. Janice buys 3 bags of 100 pretzels and 2 bags of 10 pretzels. How many total pretzels does she buy?

Jonas has 18 packages of gum that each contain 5 pieces. Jonas gives 16 pieces of gum to his friends. Which number sentence shows one way to find the number of pieces of gum Jonas has left?

A $18 + 16 + 5 = 39$

B $18 \times 5 - 16 = 74$

C $18 + 16 - 5 = 29$

D $18 \times 5 + 16 = 106$