

Double Digit Subtraction with regrouping

by: Amy Lemons

@ stepintosecondgrade.blogspot.com

Graphics courtesy of Scrappin' Doodles



HOW to start out

During the first few days of instruction on double digit subtraction with regrouping, my students are using base ten blocks with a place value mat. We walk through the problems very slowly and ALWAYS start with the ones place first. If you don't have place value blocks, you can always use popsicle sticks for the tens block and beans for the ones block.

Helpful Hints:

- Before the lesson begins, have a baggie ready for each student that contains at least 10 "tens" and 20 "ones."
- Review double digit subtraction without regrouping first and then move to regrouping.
- You can refer to it as "making a trade." Use whatever lingo that works best for your kids.
- When solving problems, have students use a highlighter or light marker to highlight the ones place. This helps draw their eyes to the ones column first.
- Allow students to work with the manipulatives for as long as needed. Only take them away when you feel your kids are ready to work without them!

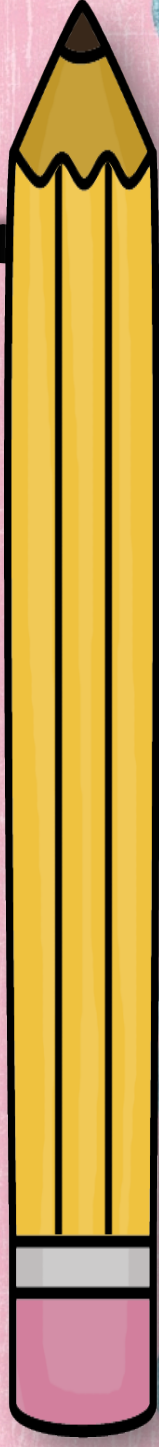
SUBtraction POSTERS

In the pages that follow, you will find 3 subtraction posters, a title poster, and a page that you can give to your students. The student page can be made into a small booklet, glued into a math journal, sent home with homework, or kept as a resource tool at their desk. I have included a black and white or colored version of each poster.

How

big it

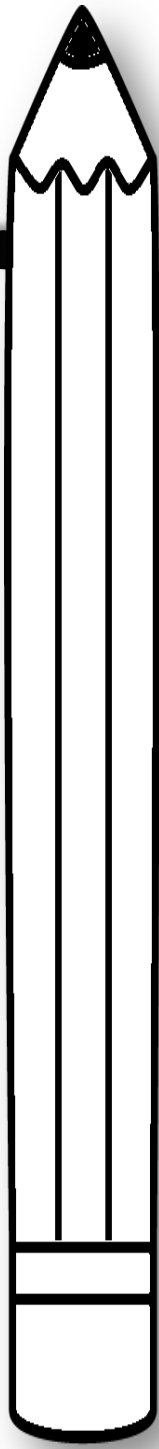
subtraction



How to

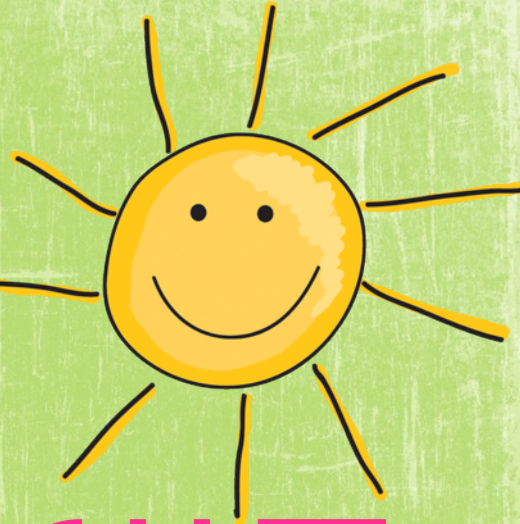
dig it

Subtraction



7

8



-4

8

NUMBERS

THE

SAME?

ZERO'S

THE

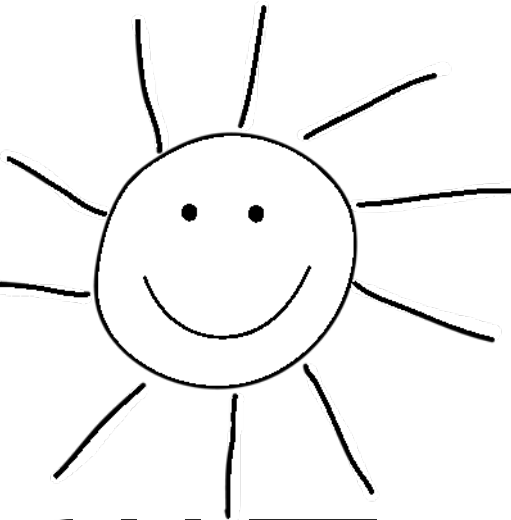
GAME!

3

0

7

8



NUMBERS

THE

SAME?

ZERO'S

THE

GAME!

4

8

3

0

5

6

-3

2

2

4

**MORE
ON TOP?**

NO

NEED

TO

STOP!



5

6

**MORE
ON TOP?**

NO

NEED

TO

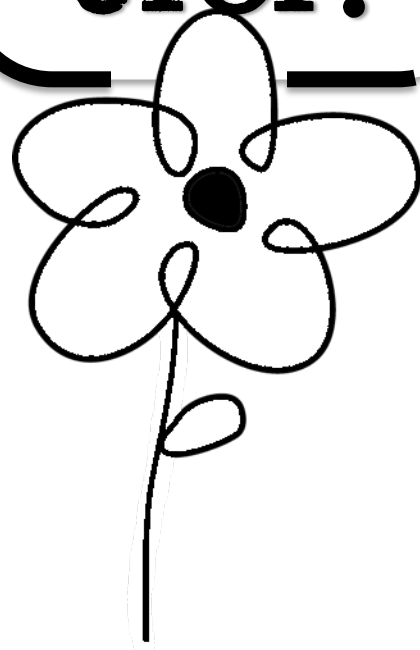
STOP!

3

2

2

4



~~56~~

~~4~~

$(10+4=14)$

14

■ 2

7

MORE ON

FLOOR?

GO NEXT

DOOR,

GET TEN

MORE!

3

7

~~56~~

~~4~~

(10+4=14)

14

2

7

MORE ON

FLOOR?

GO NEXT

DOOR,

GET TEN

MORE!

3

7

double digit subtraction

(name)

$$\begin{array}{r} 56 \\ - 32 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \end{array}$$

MORE
ON TOP?
NO
NEED
TO
STOP!



$$\begin{array}{r} 564 \\ - 27 \\ \hline \end{array}$$

(10+4=14)

14

MORE ON
FLOOR?
GO NEXT
DOOR,
GET TEN
MORE!

$$\begin{array}{r} 37 \end{array}$$

$$\begin{array}{r} 78 \end{array}$$

$$\begin{array}{r} - 48 \\ \hline \end{array}$$

$$\begin{array}{r} 30 \end{array}$$



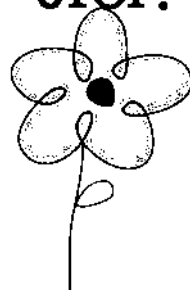
NUMBERS
THE
SAME?
ZERO'S
THE
GAME!

double digit subtraction

(name)

5	6
- 3	2
2	4

MORE
ON TOP?
NO
NEED
TO
STOP!

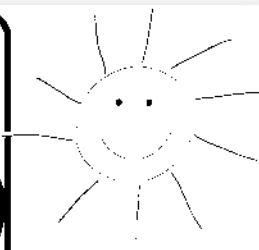


⁵ 6	4	(10+4=14)
- 2	7	14
3	7	

MORE ON
FLOOR?
GO NEXT
DOOR,
GET TEN
MORE!

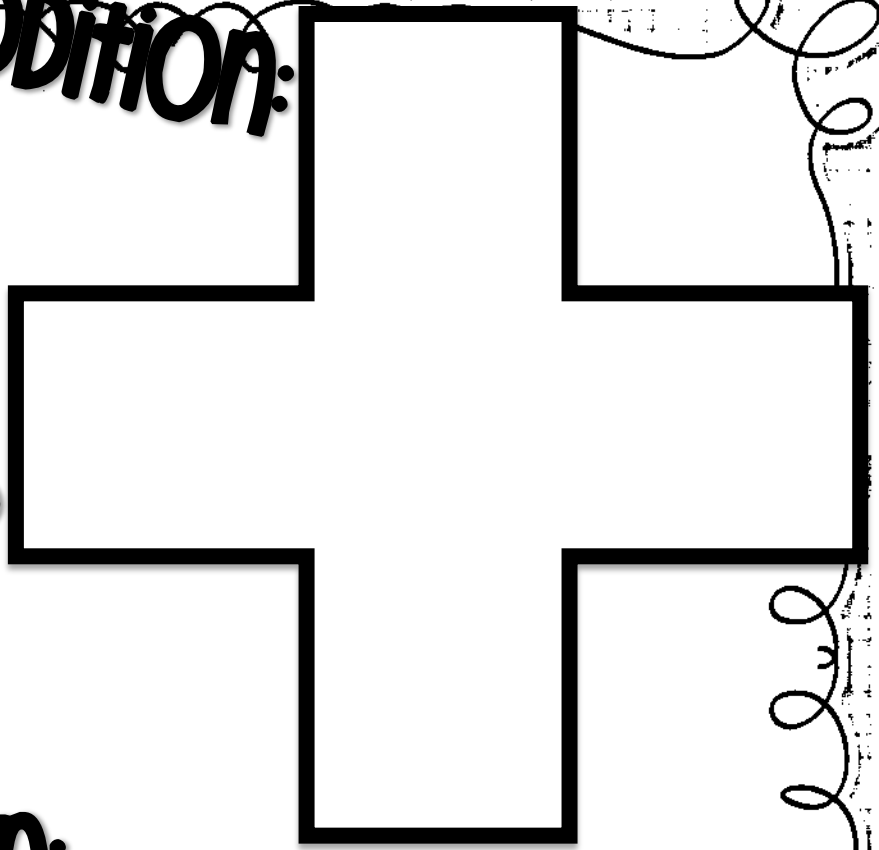
7	8
- 4	8
3	0

NUMBERS
THE
SAME?
ZERO'S
THE
GAME!



**Sort
the
key
words**

ADDITION:



SUBTRACTION:



in all

fewer

sum

together

difference

how many
more

both

total

add

total

how much
less

minus

remains

subtract

combined

Name: _____

Double Digit Subtraction Word Problems

1. My mom gave me 75 cents. I spend 39 cents on a piece of candy. How much money do I have left?

2. There are 22 students in my class. 6 students were sick and absent from school. How many students remain in class?

3. My friend has 43 toy cars. I only have 17 toy cars. How many more toy cars does my friend have than me?

4. There were 28 students on the playground. 19 students were playing tag. The rest were swinging on the swings. How many students were on the swings?

5. I collected 52 marbles, but gave 37 of them to my sister. How many marbles do I have left?

6. There were 46 ants climbing out of the ant pile. 17 ants crawled up my arm. How many ants stayed on the ground?

Name: _____

I can subtract and sort!

Solve the subtraction problems. Look at the answer to each problem. Is the difference even or odd? Glue under the correct column.

even

ODD

$$\begin{array}{r} 51 \\ - 42 \\ \hline \end{array}$$

$$\begin{array}{r} 87 \\ - 39 \\ \hline \end{array}$$

$$\begin{array}{r} 64 \\ - 17 \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ - 18 \\ \hline \end{array}$$

$$\begin{array}{r} 93 \\ - 68 \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ - 26 \\ \hline \end{array}$$

$$\begin{array}{r} 63 \\ - 26 \\ \hline \end{array}$$

$$\begin{array}{r} 76 \\ - 38 \\ \hline \end{array}$$

$$\begin{array}{r} 90 \\ - 31 \\ \hline \end{array}$$

$$\begin{array}{r} 46 \\ - 18 \\ \hline \end{array}$$

name: _____

it's Raining subtraction problems!

$$\begin{array}{r} 62 \\ -24 \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ -19 \\ \hline \end{array}$$

$$\begin{array}{r} 34 \\ -17 \\ \hline \end{array}$$

$$\begin{array}{r} 52 \\ -28 \\ \hline \end{array}$$

$$\begin{array}{r} 72 \\ -43 \\ \hline \end{array}$$

$$\begin{array}{r} 46 \\ -37 \\ \hline \end{array}$$

$$\begin{array}{r} 53 \\ -36 \\ \hline \end{array}$$

$$\begin{array}{r} 85 \\ -49 \\ \hline \end{array}$$

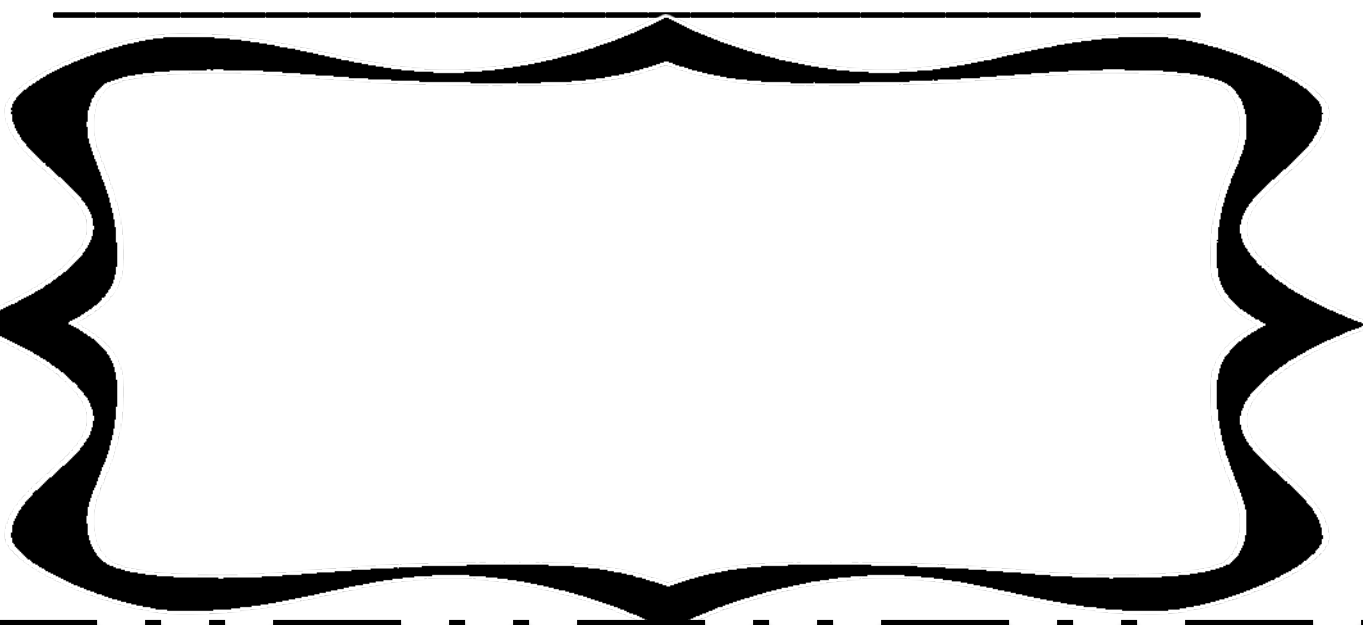
$$\begin{array}{r} 68 \\ -39 \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ -17 \\ \hline \end{array}$$

Name: _____

SUBTRACTION WITH REGROUPING

In your own words, write how to solve a double digit subtraction problem with regrouping. Show your work in the space below.



"I" SPY DOUBLE DIGIT SUBTRACTION PROBLEMS!

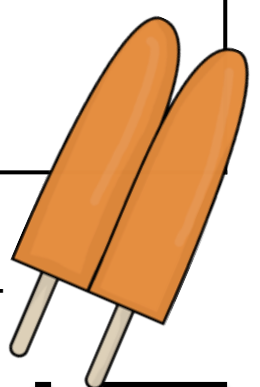
- Print and cut out the 10 "I" Spy" cards (laminates for durability).
- Place cards around the room.
- Allow students to take their recording sheet around to each card.
- Students will solve the subtraction problem that is on the card next to the corresponding letter.

"I" SPY DOUBLE DIGIT SUBTRACTION PROBLEMS!

d.	
B.	
c.	
D.	
e.	

f.	
g.	
h.	
I.	
j.	

Name: _____



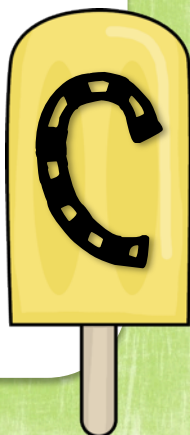
$$\begin{array}{r} 47 \\ -28 \\ \hline \end{array}$$



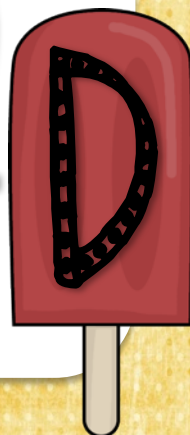
$$\begin{array}{r} 36 \\ -17 \\ \hline \end{array}$$



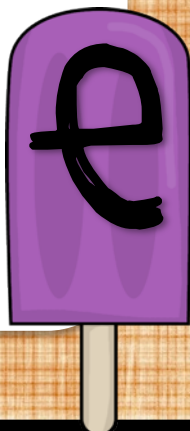
$$\begin{array}{r} 61 \\ -36 \\ \hline \end{array}$$



$$\begin{array}{r} 53 \\ -29 \\ \hline \end{array}$$



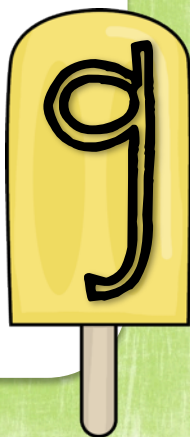
$$\begin{array}{r} 72 \\ -41 \\ \hline \end{array}$$



$$\begin{array}{r} 66 \\ -28 \\ \hline \end{array}$$



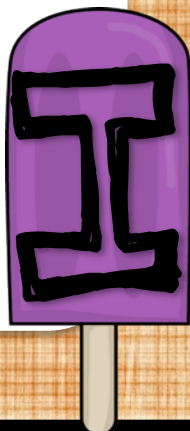
$$\begin{array}{r} 37 \\ -19 \\ \hline \end{array}$$



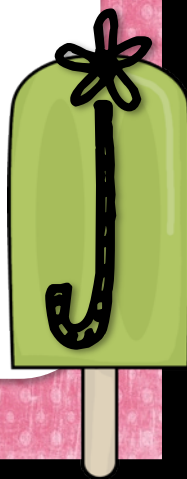
$$\begin{array}{r} 94 \\ -26 \\ \hline \end{array}$$



$$\begin{array}{r} 84 \\ -47 \\ \hline \end{array}$$



$$\begin{array}{r} 38 \\ -19 \\ \hline \end{array}$$



subtraction RHYME flapbook

After you have thoroughly introduced and taught how to regroup when necessary, have students make this sorting flapbook! Students answer the subtraction problems, cut them out, and put them under the correct flap!



Name: _____

DOUBLE DIGIT SUBTRACTION FLAP-BOOK

**MORE ON
TOP?
NO NEED
TO STOP!**

**MORE ON THE
FLOOR? GO
NEXT DOOR, AND
GET TEN MORE!**

**NUMBERS THE
SAME?
ZERO'S THE
GAME!**

$$\begin{array}{r} 50 \\ - 40 \\ \hline \end{array}$$

$$\begin{array}{r} 64 \\ - 21 \\ \hline \end{array}$$

$$\begin{array}{r} 54 \\ - 27 \\ \hline \end{array}$$

$$\begin{array}{r} 37 \\ - 18 \\ \hline \end{array}$$

$$\begin{array}{r} 46 \\ - 26 \\ \hline \end{array}$$

$$\begin{array}{r} 84 \\ - 53 \\ \hline \end{array}$$

$$\begin{array}{r} 67 \\ - 24 \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ - 12 \\ \hline \end{array}$$

$$\begin{array}{r} 81 \\ - 36 \\ \hline \end{array}$$

$$\begin{array}{r} 97 \\ - 27 \\ \hline \end{array}$$

$$\begin{array}{r} 34 \\ - 15 \\ \hline \end{array}$$

$$\begin{array}{r} 75 \\ - 21 \\ \hline \end{array}$$

$$\begin{array}{r} 69 \\ - 26 \\ \hline \end{array}$$

$$\begin{array}{r} 79 \\ - 29 \\ \hline \end{array}$$

$$\begin{array}{r} 47 \\ - 19 \\ \hline \end{array}$$

$$\begin{array}{r} 25 \\ - 15 \\ \hline \end{array}$$

$$\begin{array}{r} 37 \\ - 19 \\ \hline \end{array}$$

$$\begin{array}{r} 63 \\ - 11 \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ - 40 \\ \hline \end{array}$$

$$\begin{array}{r} 64 \\ - 21 \\ \hline \end{array}$$

$$\begin{array}{r} 54 \\ - 27 \\ \hline \end{array}$$

$$\begin{array}{r} 37 \\ - 18 \\ \hline \end{array}$$

$$\begin{array}{r} 46 \\ - 26 \\ \hline \end{array}$$

$$\begin{array}{r} 84 \\ - 53 \\ \hline \end{array}$$

$$\begin{array}{r} 67 \\ - 24 \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ - 12 \\ \hline \end{array}$$

$$\begin{array}{r} 81 \\ - 36 \\ \hline \end{array}$$

$$\begin{array}{r} 97 \\ - 27 \\ \hline \end{array}$$

$$\begin{array}{r} 34 \\ - 15 \\ \hline \end{array}$$

$$\begin{array}{r} 75 \\ - 21 \\ \hline \end{array}$$

$$\begin{array}{r} 69 \\ - 26 \\ \hline \end{array}$$

$$\begin{array}{r} 79 \\ - 29 \\ \hline \end{array}$$

$$\begin{array}{r} 47 \\ - 19 \\ \hline \end{array}$$

$$\begin{array}{r} 25 \\ - 15 \\ \hline \end{array}$$

$$\begin{array}{r} 37 \\ - 19 \\ \hline \end{array}$$

$$\begin{array}{r} 63 \\ - 11 \\ \hline \end{array}$$

DOUBLE DiGiT SUBtRaction WORKSpaCe

When first learning how to add with regrouping, I do not use a lot of “worksheets” that have several problems to a page. I find that it’s too difficult for the kiddos, plus it’s hard to quickly check if they are “getting it” or not. So, when first working problems on our own, we do about four per page. We complete all of the steps in order for each problem. I might do four with the class, and then the students can do 4 problems on their own on the back of the sheet. You can also use this in conjunction with a place value mat and base ten blocks!

Hundreds

tens

ones

tens

ones

Name: _____

DOUBLE Digit subtraction workspace

a.

B.

C.

D.

Name: _____

DOUBLE Digit subtraction workspace

e.

f.

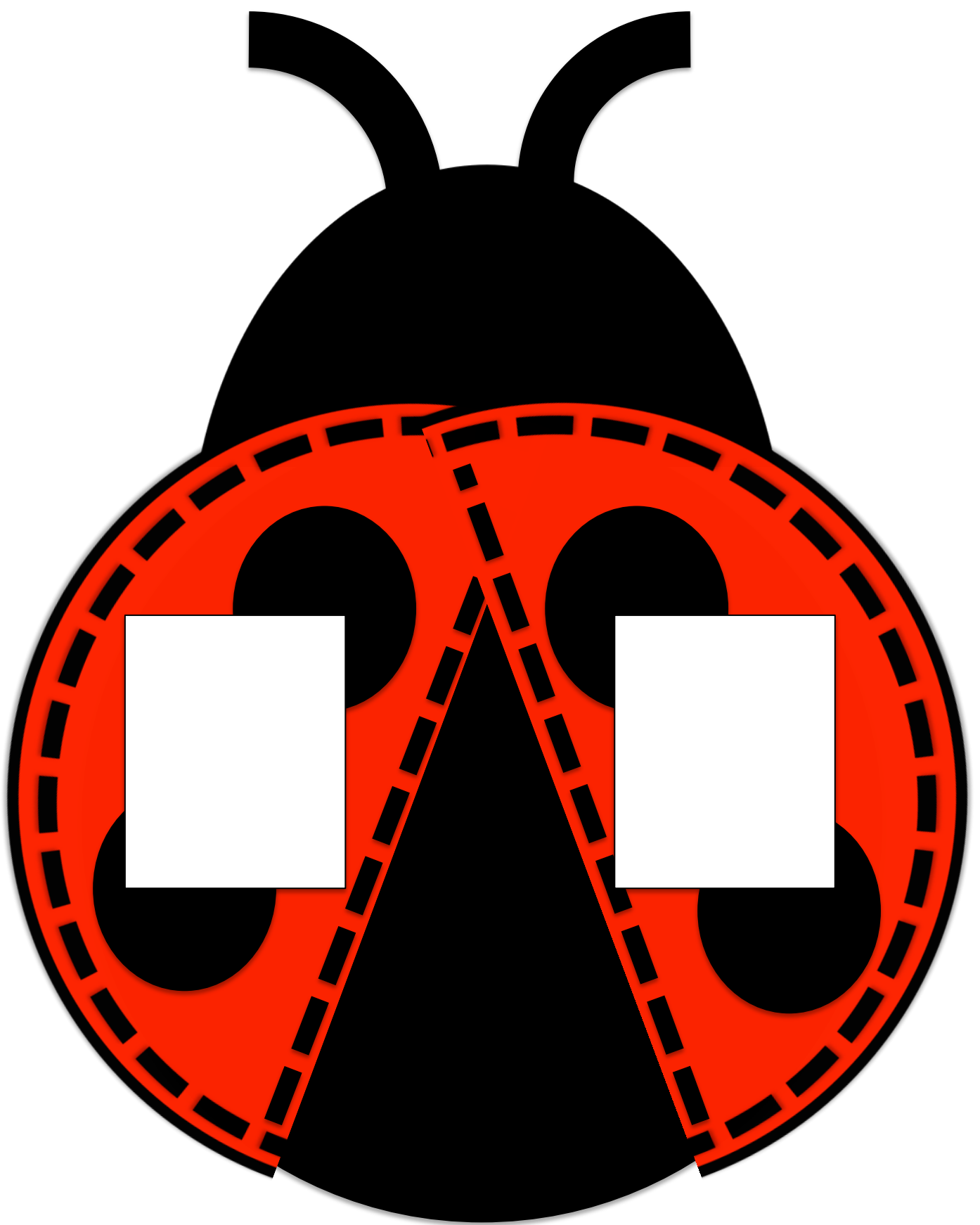
G.

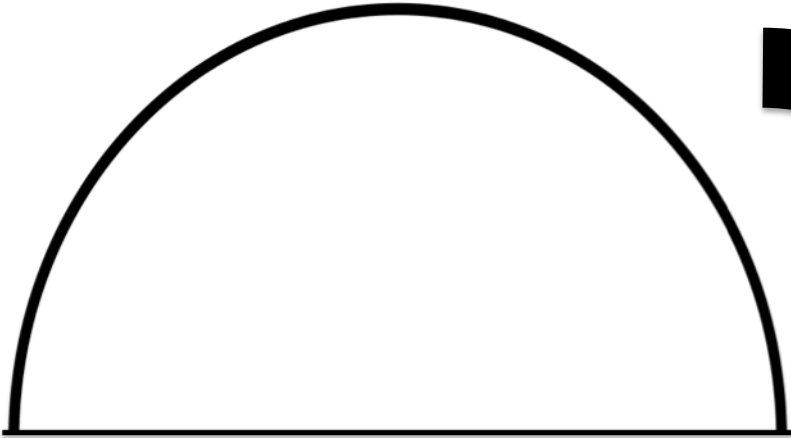
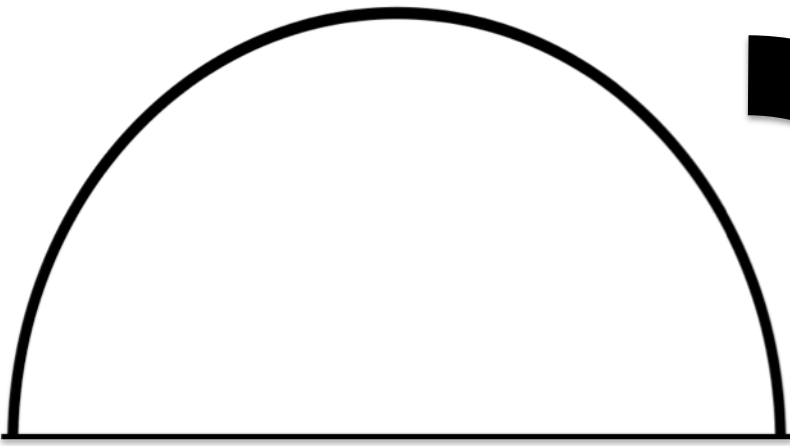
H.

checking your work

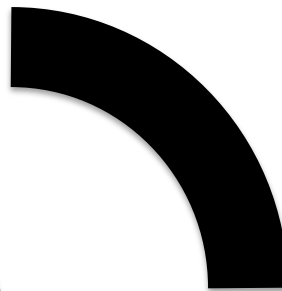
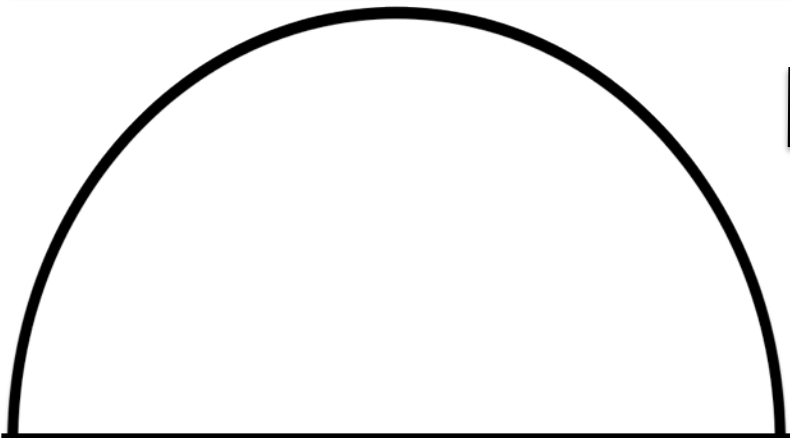
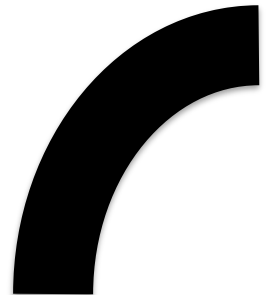
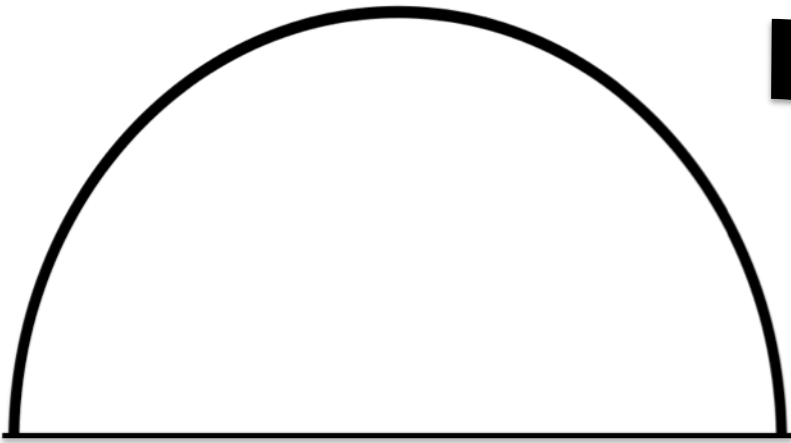
After teaching your students how to check their subtraction problem, make this cute ladybug as a reminder. Either give each student a subtraction problem (I'd probably do different problems for each child), or allow them to generate their own subtraction problem. Once the subtraction problem is solved, students check their work with the matching addition problem. To add diversity- allow the students to pick what color of ladybug they want to make!

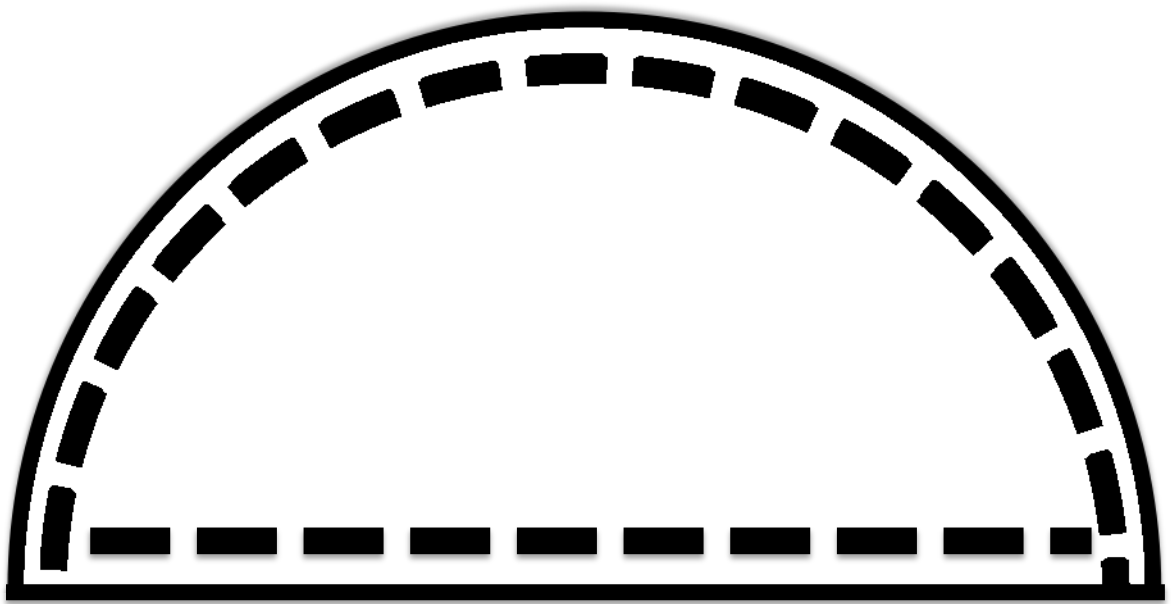




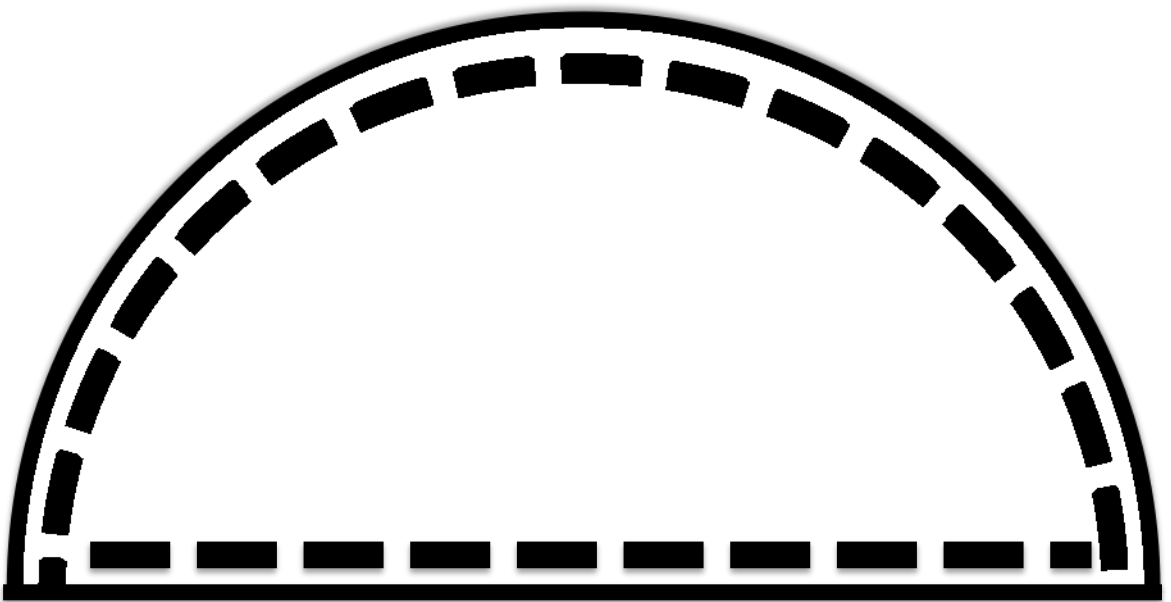


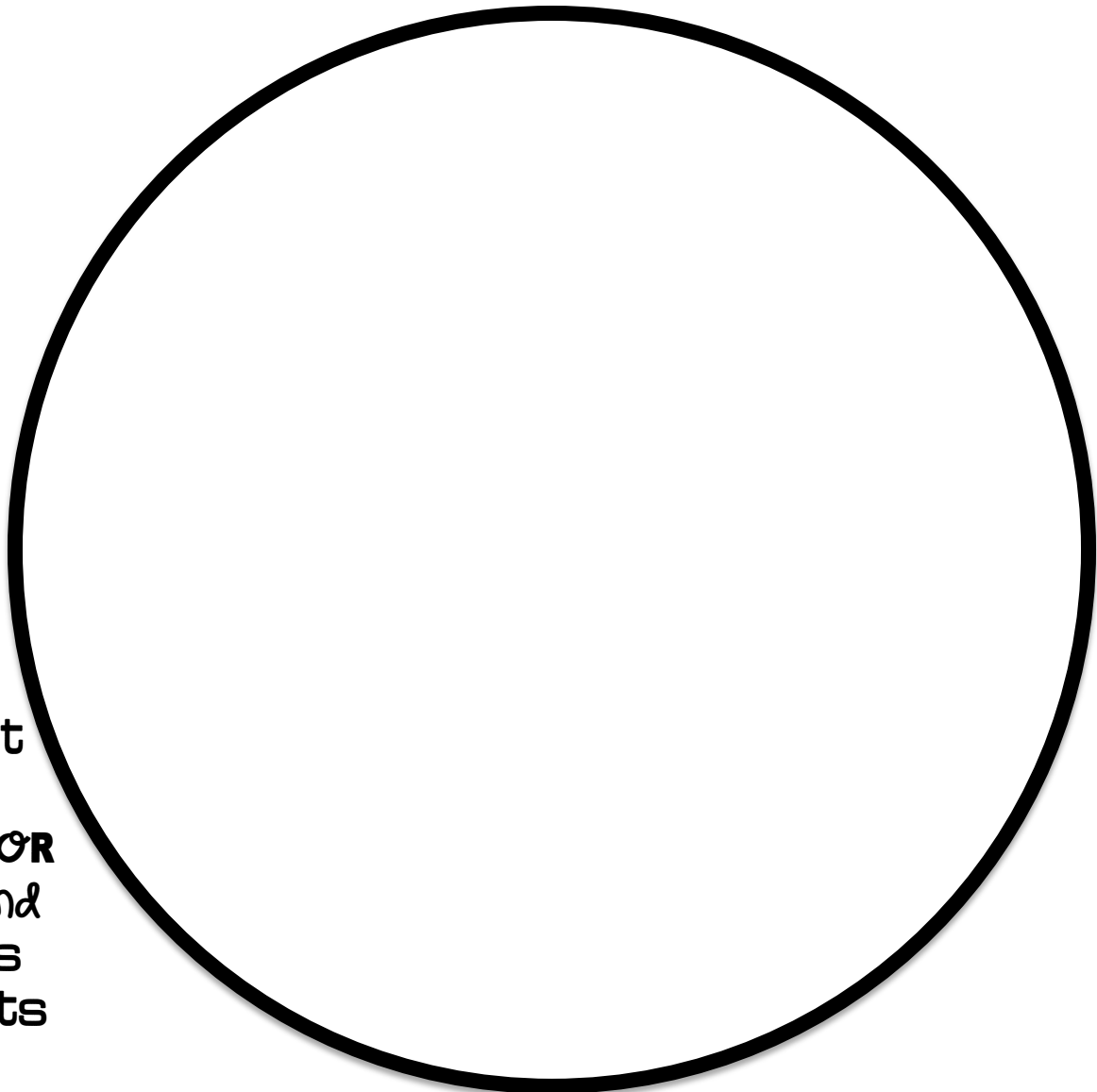
each student needs 1 Head and 1 set of antennae



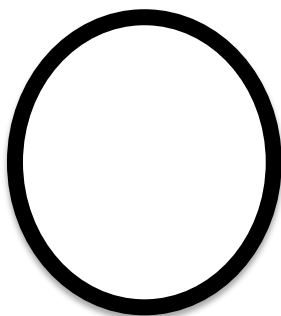
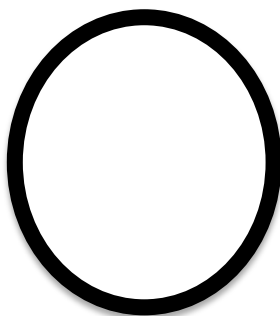
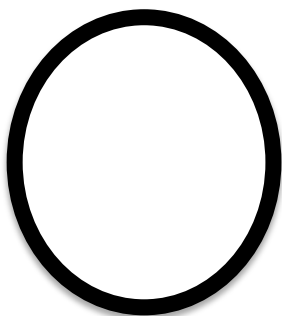
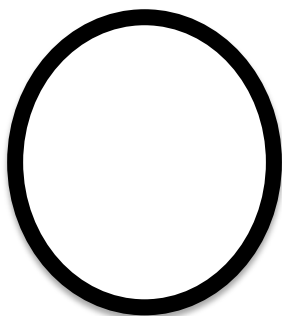
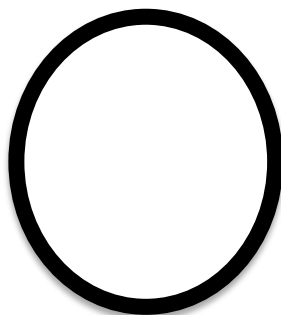
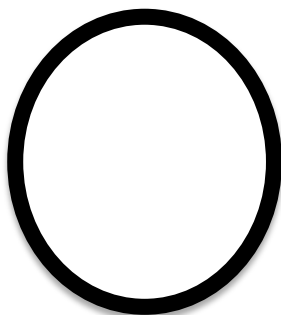
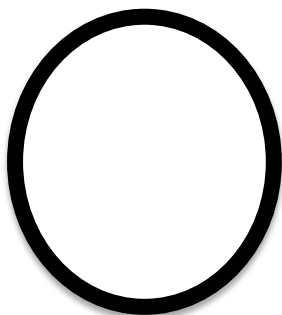
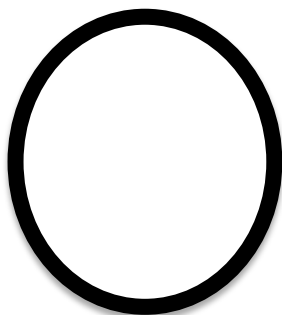


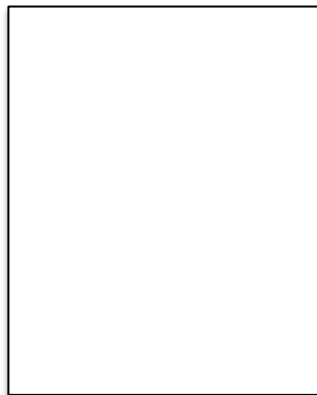
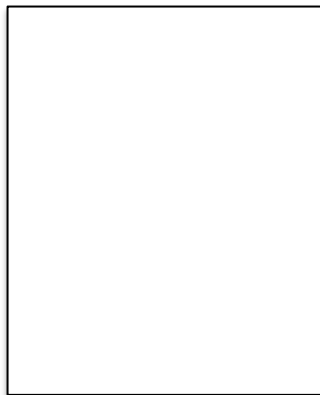
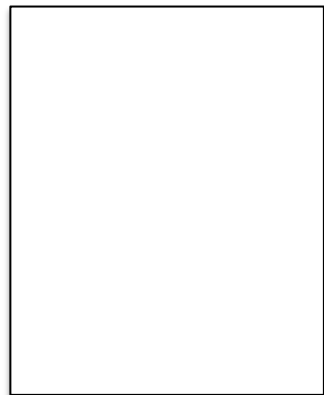
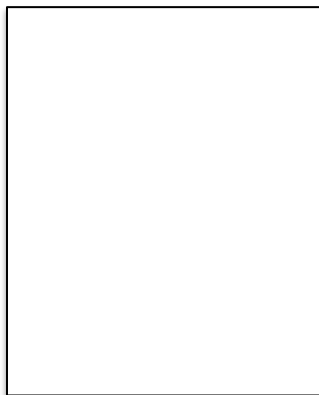
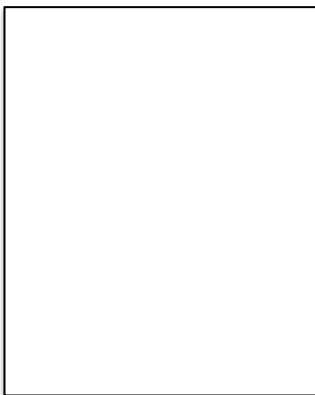
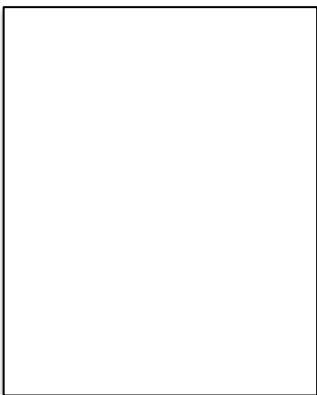
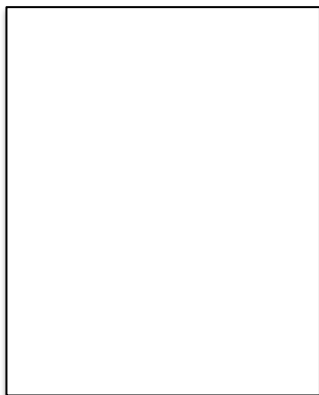
each student needs 2 wings



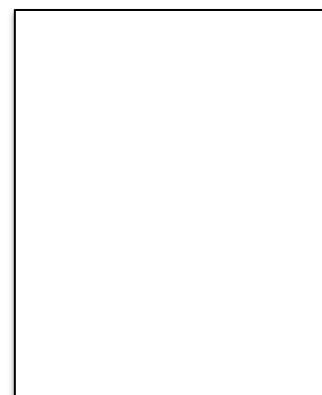
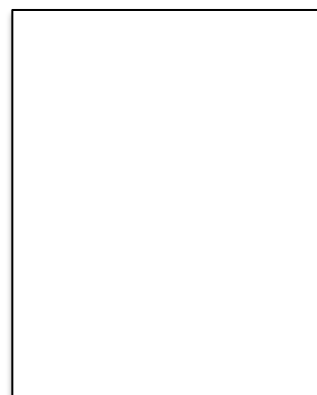
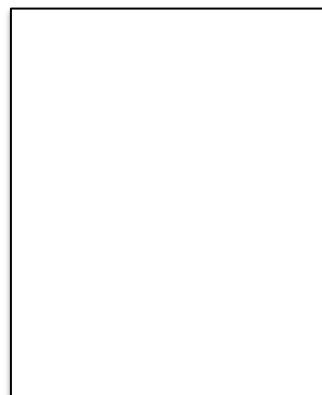
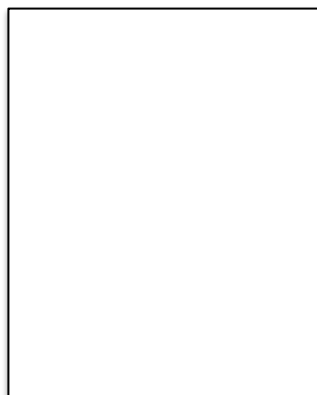
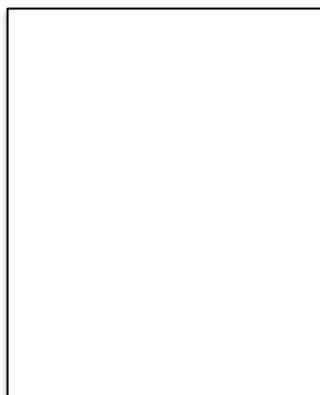
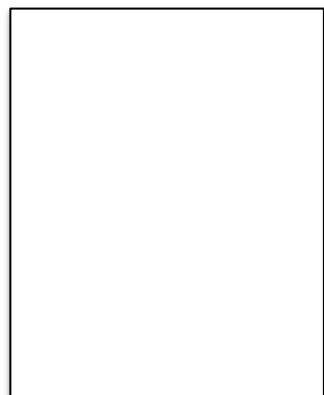


each
student
needs
1 circle for
body and
4 circles
for spots





each student needs 2 rectangles



checking your work

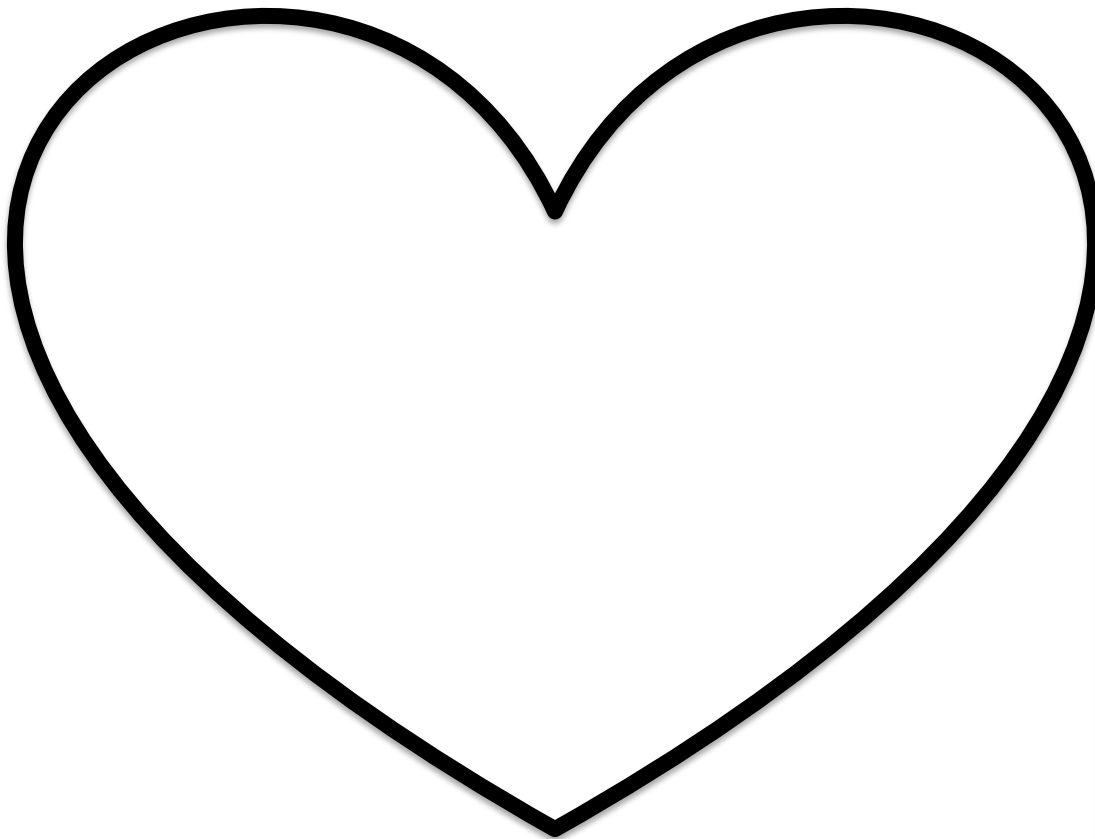
After teaching your students how to check their subtraction problem, make this cute elephant as a reminder. Either give each student a subtraction problem (I'd probably do different problems for each child), or allow them to generate their own subtraction problem. Once the subtraction problem is solved, students check their work with the matching addition problem.

$$\begin{array}{r} 47 \\ -28 \\ \hline \end{array}$$

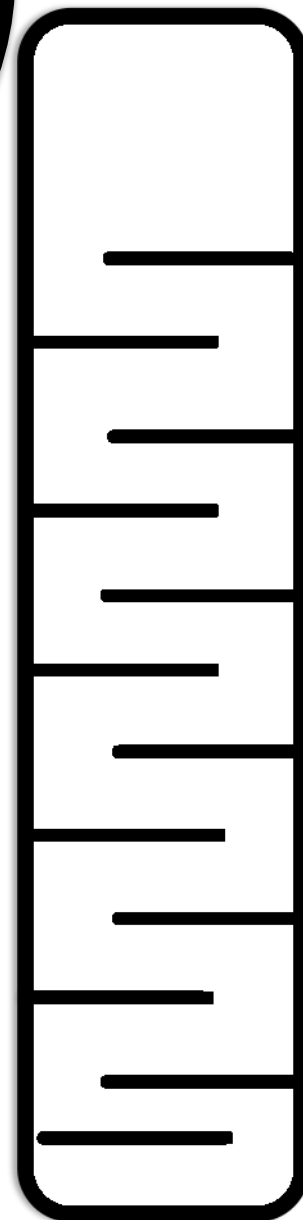
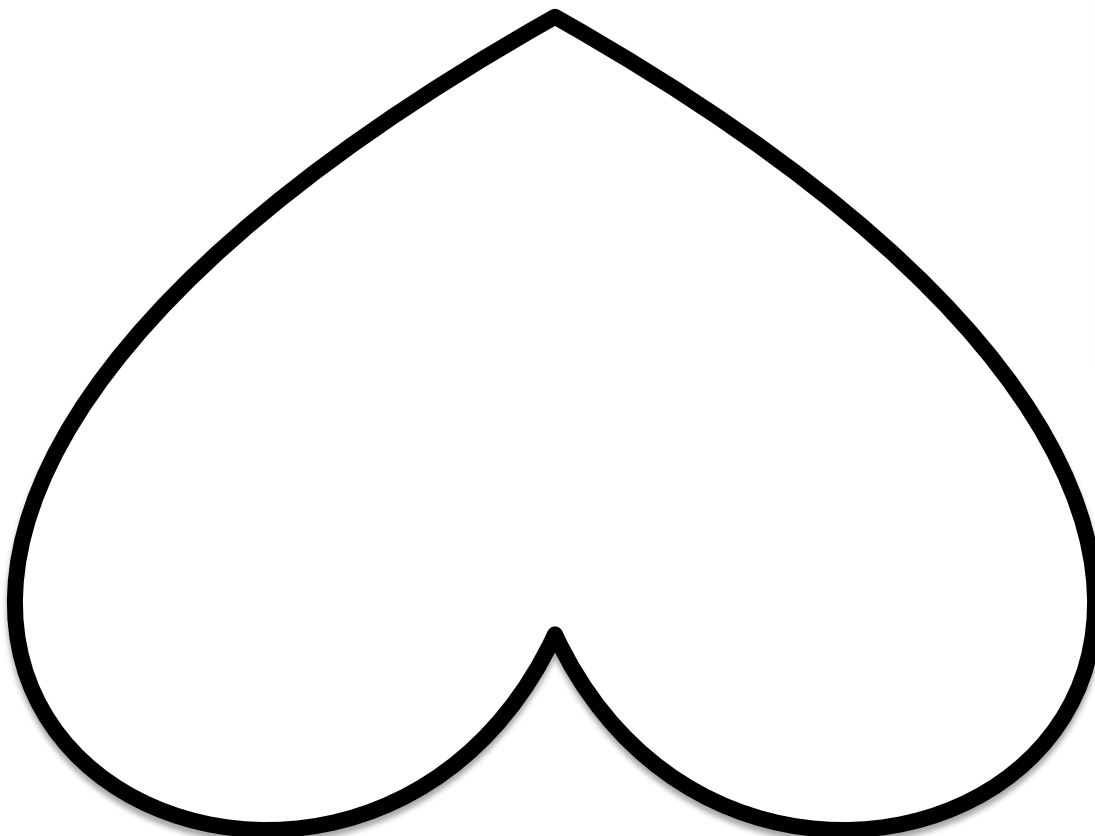
$$\begin{array}{r} 19 \\ +28 \\ \hline \end{array}$$

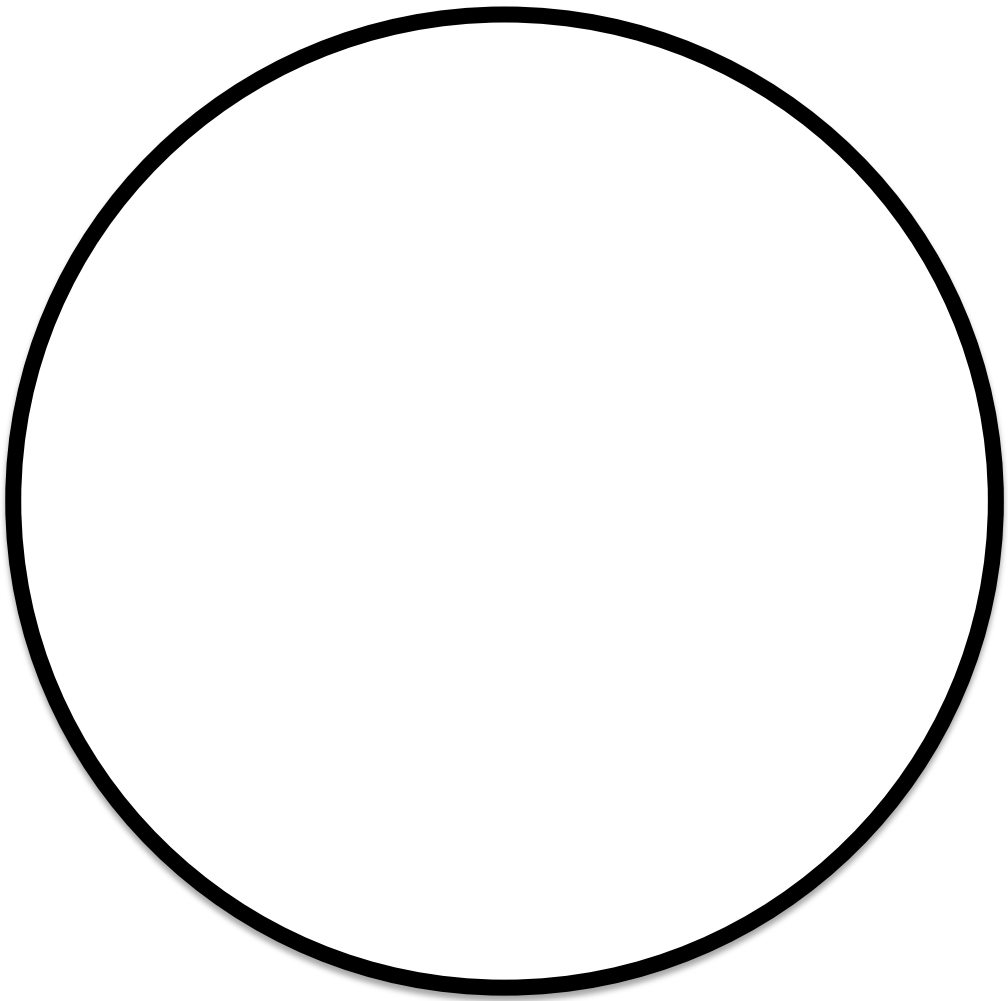
$$\begin{array}{r} 52 \\ -13 \\ \hline \end{array}$$

$$\begin{array}{r} 39 \\ +13 \\ \hline \end{array}$$

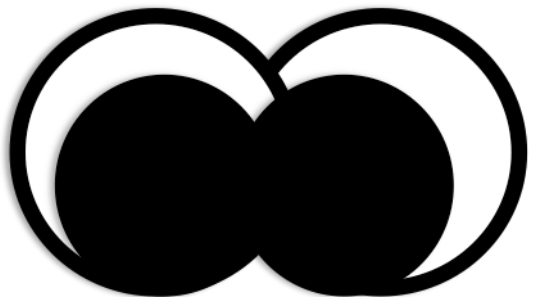
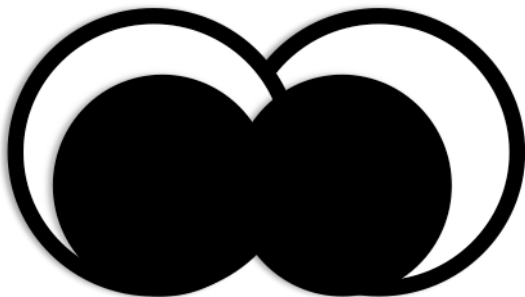
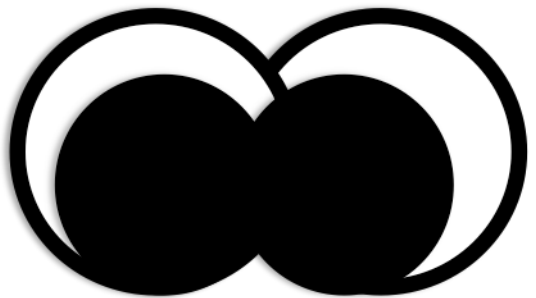
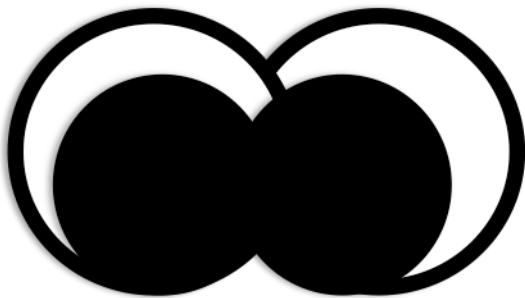


each student needs 2 Hearts and 1 trunk



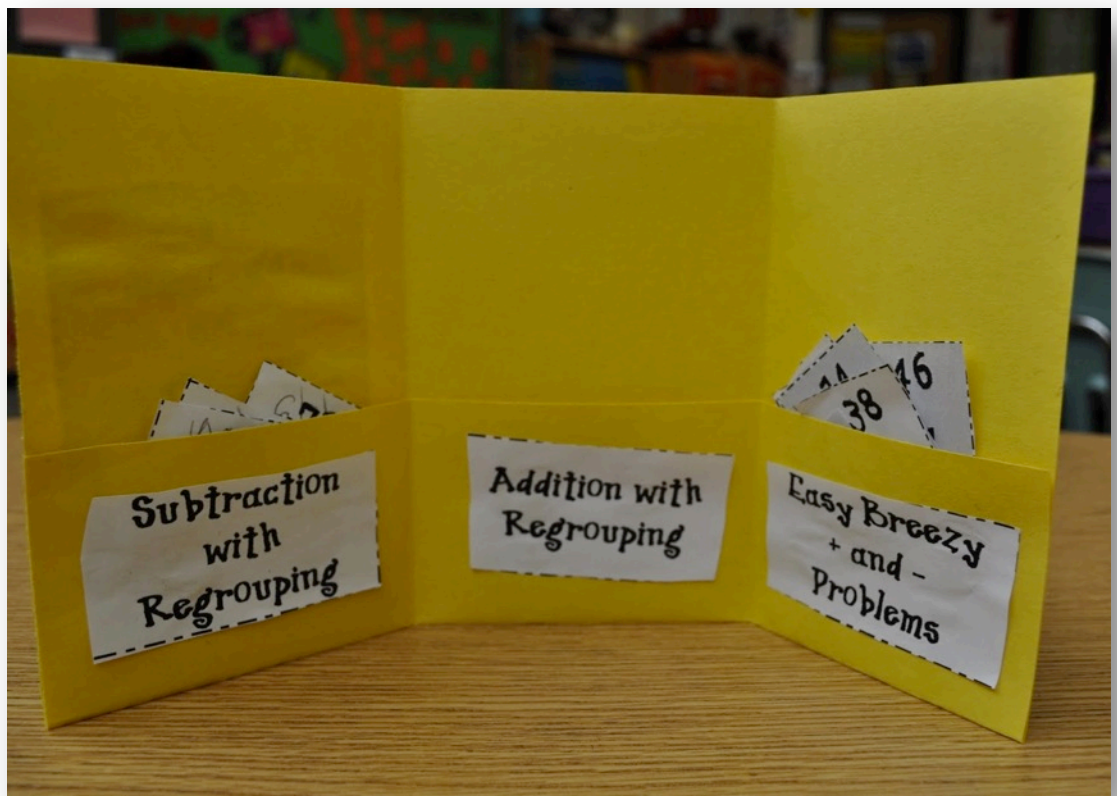
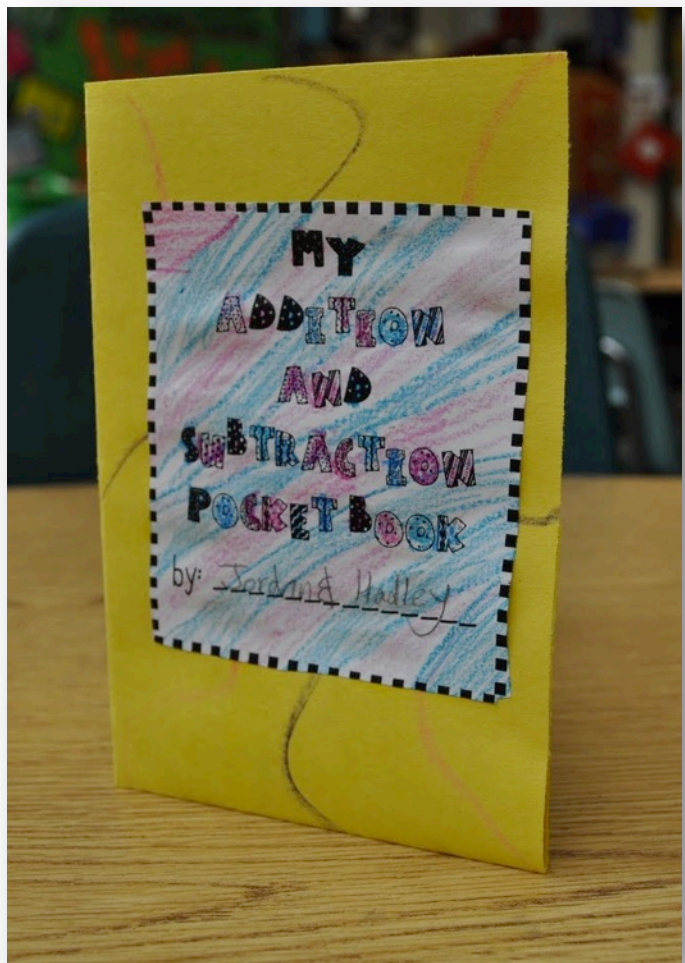


each student needs one circle and one set of eyes



addition and subtraction pocketbook

This activity would be best if used after addition and subtraction with/without regrouping has been introduced and practiced. This activity will help students look at each problem carefully when solving. Copy the pocketbook page onto construction paper or cardstock. Students will fold on the black lines and glue the tabs up to make pockets. Students will glue labels onto the pockets and cover. Students solve addition and subtraction problems. Sort into pockets when finished!



Glue

Glue

Easy
Breezy
+ and -
problems

Addition
with
regrouping

Subtraction
with
regrouping

my
addition
and
subtraction
pocketbook

$$\begin{array}{r} 76 \\ + 42 \\ \hline \end{array}$$

$$\begin{array}{r} 43 \\ - 25 \\ \hline \end{array}$$

$$\begin{array}{r} 65 \\ + 23 \\ \hline \end{array}$$

$$\begin{array}{r} 21 \\ + 29 \\ \hline \end{array}$$

$$\begin{array}{r} 38 \\ + 19 \\ \hline \end{array}$$

$$\begin{array}{r} 45 \\ + 22 \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ + 14 \\ \hline \end{array}$$

$$\begin{array}{r} 51 \\ - 23 \\ \hline \end{array}$$

$$\begin{array}{r} 46 \\ + 25 \\ \hline \end{array}$$

$$\begin{array}{r} 85 \\ - 37 \\ \hline \end{array}$$

$$\begin{array}{r} 63 \\ + 16 \\ \hline \end{array}$$

$$\begin{array}{r} 49 \\ + 33 \\ \hline \end{array}$$

$$\begin{array}{r} 45 \\ - 22 \\ \hline \end{array}$$

$$\begin{array}{r} 57 \\ + 37 \\ \hline \end{array}$$

$$\begin{array}{r} 41 \\ - 19 \\ \hline \end{array}$$

$$\begin{array}{r} 94 \\ - 22 \\ \hline \end{array}$$

$$\begin{array}{r} 59 \\ + 15 \\ \hline \end{array}$$

$$\begin{array}{r} 25 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 80 \\ - 20 \\ \hline \end{array}$$

$$\begin{array}{r} 43 \\ - 24 \\ \hline \end{array}$$