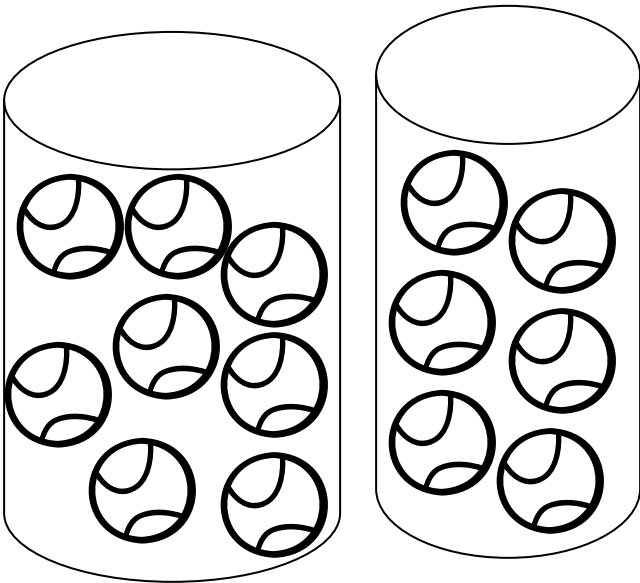


Name \_\_\_\_\_ Date \_\_\_\_\_

(5A)

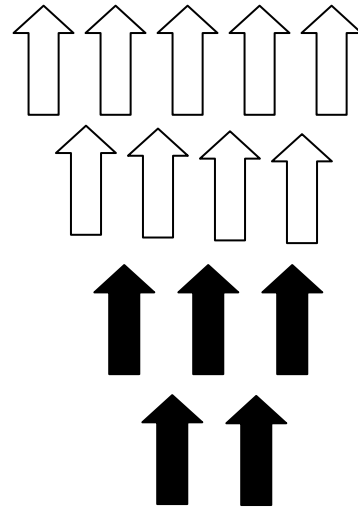
1. Jordan had two cans of tennis balls. Which number fact shows how many tennis balls there are in all?



- 8 - 6
- 8 + 6
- 6 - 8
- 14 + 6

(5a)

2. Jason drew 14 arrows. Which number fact shows how many arrows he colored black?



- 14 + 5
- 9 + 14
- 14 - 9
- 9 - 5

<p style="text-align: right;">(5B)</p> <p>3. Mrs. McCormick bought 7 hot dogs on Monday. She bought 9 hot dogs on Tuesday.</p> <p>Which number sentence could be used to find out how many hot dogs she bought in all?</p> <p><input type="radio"/> <math>9 + 7 = \square</math></p> <p><input type="radio"/> <math>9 - 7 = \square</math></p>	<p style="text-align: right;">(5B)</p> <p>5. Mrs. Adams baked 12 cookies. Mr. Hayes ate 3 of her cookies.</p> <p>Which number sentence should you use to find out how many cookies Mrs. Adams still has?</p> <p><input type="radio"/> <math>12 + 3 = \square</math></p> <p><input type="radio"/> <math>12 - 3 = \square</math></p>
<p style="text-align: right;">(5B)</p> <p>4. Mrs. Preleski had 7 pencils. She gave 3 pencils to Jessica.</p> <p>What should she do to find out how many pencils are left?</p> <p><input type="radio"/> Add 7 and 3.</p> <p><input type="radio"/> Subtract 3 from 7.</p>	<p style="text-align: right;">(5B)</p> <p>6. Mrs. Clauss had 8 bananas. Mrs. Labbe gave her 2 more bananas.</p> <p>What should you do to find out how many bananas Mrs. Clauss now has?</p> <p><input type="radio"/> Add 2 and 8.</p> <p><input type="radio"/> Subtract 2 from 8.</p>

(5c)

7. Write a story problem that can be solved using the number sentence

$$2 + 5 = \square.$$

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(5c)

8. Write a story problem that can be solved using the number sentence

$$6 - 1 = \square.$$

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<p style="text-align: right;">(6A)</p> <p>9. Use counters, if needed, to solve the problem</p> $8 + 5 = \square.$ <p>13 14 15 16</p>	<p style="text-align: right;">(6B)</p> <p>11. Use counters, if needed, to solve the problem</p> $11 - 4 = \square.$ <p>4 5 6 7</p>
<p style="text-align: right;">(6B)</p> <p>10. Use counters, if needed, to solve the problem</p> $\begin{array}{r} 12 \\ -7 \\ \hline \end{array}$ <p>4 5 6 7</p>	<p style="text-align: right;">(6A)</p> <p>12. Use counters, if needed, to solve the problem</p> $\begin{array}{r} 6 \\ +8 \\ \hline \end{array}$ <p>13 14 15 16</p>

(9A)

If you wish, you may use counters to help you solve this problem.

13. Miss Byrnes baked 9 apple pies. She also baked 3 blueberry pies. How many pies did Miss Byrnes bake?

- 5
- 6
- 11
- 12

(9A)

14. You may use your counters to help you solve this problem.

Mrs. Jay bought 12 pairs of shoes. Mrs. O'Brien bought 7 pairs of shoes. How many **more** pairs of shoes did Mrs. Jay buy than Mrs. O'Brien?

- 5
- 6
- 18
- 19

(14B)



15. What is the value of the coins?

- 30¢
- 32¢
- 42¢
- 60¢

(14B)

Mrs. Parent was walking. She looked down and saw some coins.

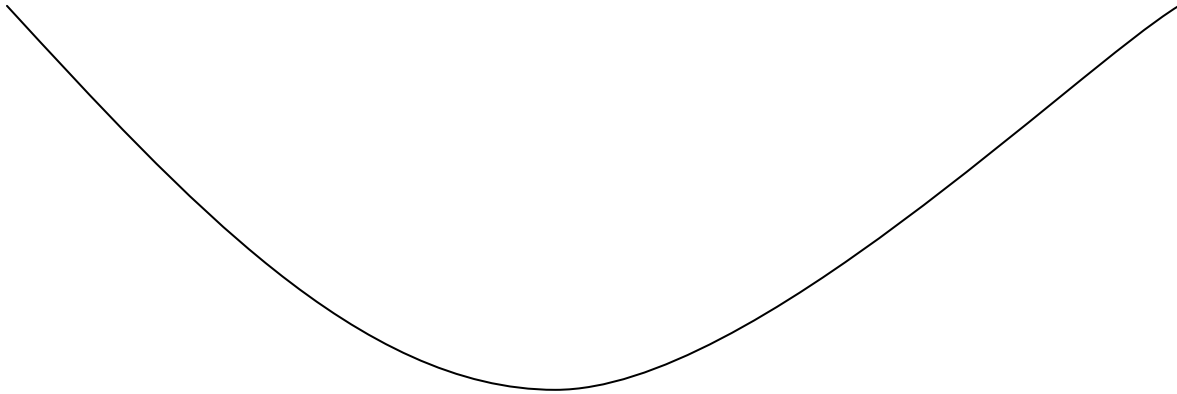
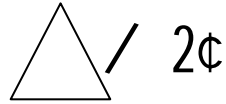
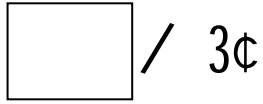


16. How much money did she see?

- 5¢
- 17¢
- 25¢
- 32¢

(25A)

17. Draw a necklace that costs 19¢.



Show how you know the necklace costs 19¢ Use the space below.

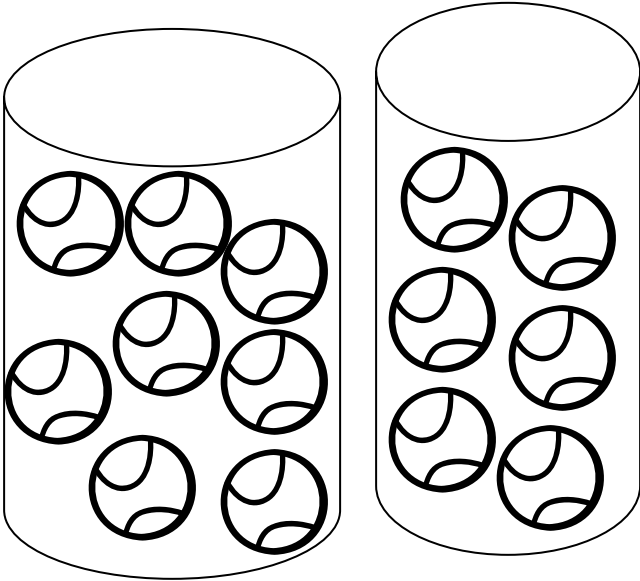
## Topic 2: Addition and Subtraction Strategies (15 Lessons)

- ◆ 5A. Match addition or subtraction number fact sentences with pictures.
- ◆ 5B. Identify or write the appropriate operation or number sentence to solve a story problem.
- ◆ 5C. Write a story problem that matches a given addition or subtraction number sentence. [Not covered in GWM]
- ◆ 6A. Use objects to find addition facts to 18.
- ◆ 6B. Use objects to find subtraction facts to 18.
- ◆ 9A. Solve simple story problems involving addition and subtraction **facts** using counters.
- ◆ 14B. Determine the value of a set of coins < \$1.00 (pennies, nickels, dimes).
- ◆ 25A: Solve extended numerical and statistical problems.

ANSWERS

(5A)

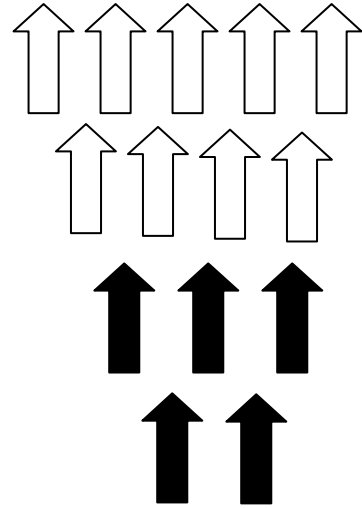
1. Jordan had two cans of tennis balls. Which number fact shows how many tennis balls there are in all?



- 8 - 6
- 8 + 6 \*\*\*
- 6 - 8
- 14 + 6

(5a)

2. Jason drew 14 arrows. Which number fact shows how many arrows he colored black?



- 14 + 5
- 9 + 14
- 14 - 9 \*\*\*
- 9 - 5

<p style="text-align: right;">(5B)</p> <p>3. Mrs. McCormick bought 7 hot dogs on Monday. She bought 9 hot dogs on Tuesday.</p> <p>Which number sentence could be used to find out how many hot dogs she bought in all?</p> <p><input type="radio"/> <math>9 + 7 = \square</math> ***</p> <p><input type="radio"/> <math>9 - 7 = \square</math></p>	<p style="text-align: right;">(5B)</p> <p>5. Mrs. Adams baked 12 cookies. Mr. Hayes ate 3 of her cookies.</p> <p>Which number sentence should you use to find out how many cookies Mrs. Adams still has?</p> <p><input type="radio"/> <math>12 + 3 = \square</math></p> <p><input type="radio"/> <math>12 - 3 = \square</math> ***</p>
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Please note: Objective 5B on the CMT would ordinarily have 4 multiple choices.

(5c)

7. Write a story problem that can be solved using the number sentence  $2 + 5 = \square$ .

JOINING MODEL OF ADDITION: Connie had 2 terrific turkeys in her back yard. Suddenly, out of the clear blue sky, 5 filthy pheasants joined her 2 terrific turkeys. Now how many animals are contained in Connie's back yard?

And who's going to clean up after those animals? Do you have any idea of the mess they'll make? Then there's the pheasant food and the turkey treats to consider. Who's going to pay for that? Connie will constantly be cleaning and feeding, feeding and cleaning.

COMBINED MODEL OF ADDITION: Connie has 2 terrific turkeys in her back yard. She also has 5 filthy pheasants. How many animals does Connie have?

Does Connie's family know about this menagerie? What am I saying! The neighbors even know – if their noses work. Connie, have you considered collecting Beanie Babies or money? Now that's a great idea – collect money!

(5c)

8. Write a story problem that can be solved using the number sentence  $6 - 1 = \square$ .

TAKE-AWAY MODEL OF SUBTRACTION: Kim had 6 million dollars. (She knows what to collect – and it surely isn't animals!) She gave 1 million dollars to her friend Connie, who has had high expenses lately. How much money did Kim keep?

COMPARING MODEL OF SUBTRACTION: Kim bought 6 emerald rings and 1 ruby ring. How many more emerald rings does she have than ruby rings?

And did she blow the entire \$6 million on 7 rings? Is she nuts? Where is her financial planner? Where is her mother, for heaven's sake!

MISSING ADDEND MODEL OF SUBTRACTION: Kim has 6 rings. She put 1 in her pocket. (Her pocket? What's wrong with her finger?) She put the rest of the rings in her jewelry box. (Great idea if it's locked) How many rings are in her jewelry box?

Assuming that no one got into that box and helped themselves to the rings – you know, like the maids or the pool boy who is always walking around without his shirt on showing off those perfect pecs.

COMBINED MODEL OF SUBTRACTION: Kim bought 6 Lamborghinis. She decided to have 1 fire engine red and the rest yellow. How many Lamborghinis are yellow?

And chauffeurs? Does she also have chauffeurs or the Lamborghinis? Surely she must have at least one chauffeur for the fire engine red car. Does the chauffeur look anything like the pool boy, Amadeus? He IS the pool boy? Clever cookie, that Kim.

<p style="text-align: right;">(6A)</p> <p>9. Use counters, if needed, to solve the problem</p> $8 + 5 = \square.$ <p><input type="radio"/> 13 ***</p> <p><input type="radio"/> 14</p> <p><input type="radio"/> 15</p> <p><input type="radio"/> 16</p>	<p style="text-align: right;">(6B)</p> <p>11. Use counters, if needed, to solve the problem</p> $11 - 4 = \square.$ <p><input type="radio"/> 4</p> <p><input type="radio"/> 5</p> <p><input type="radio"/> 6</p> <p><input type="radio"/> 7 ***</p>
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(14B)



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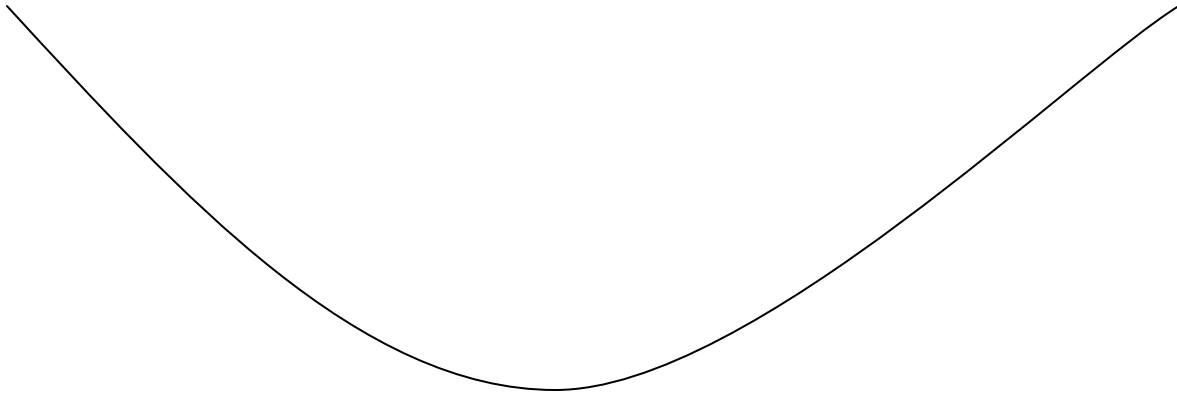
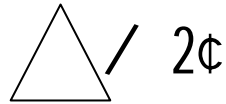
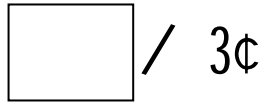


16. How much money did she see?

- 5¢
- 17¢
- 25¢
- 32¢ \*\*\*

(25A)

17. Draw a necklace that costs 19¢.



Show how you know the necklace costs 19¢ Use the space below.

One Possible Way to Show How the Solution Was Correct: To add up all the beads drawn on the necklace

I am using a table to show as many possible solutions. Children probably would not like to use a table for this problem. They need only one solution.

3 cents	2 cents	Total
5 rectangle (15)	2 triangles (4)	19 cents
3 rectangle (9)	5 triangles (10)	19 cents
1 rectangle (3)	8 triangles (16)	19 cents