

# Lawn Party



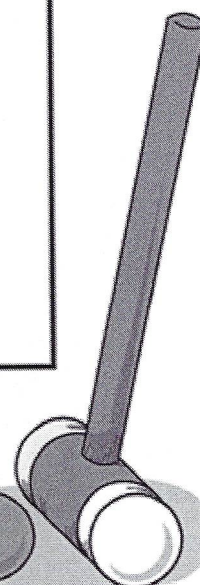
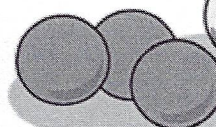
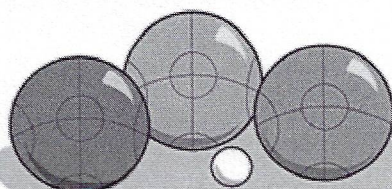
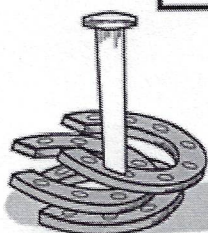
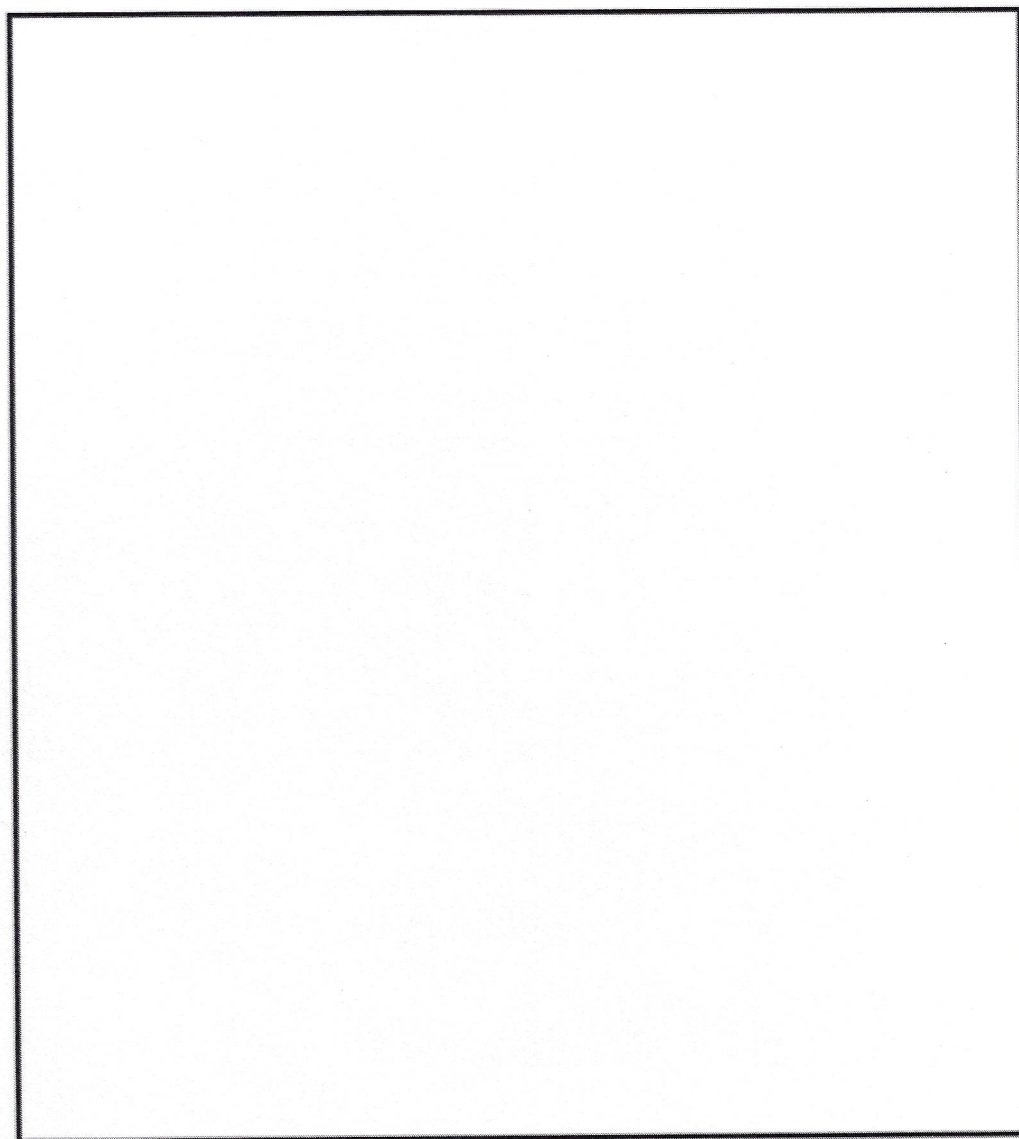
Horseshoes

Bocce

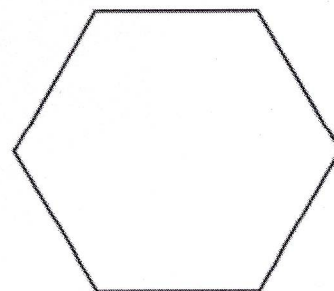
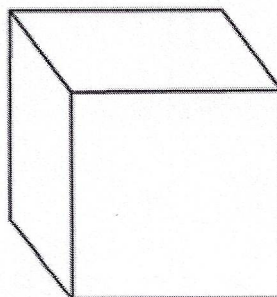
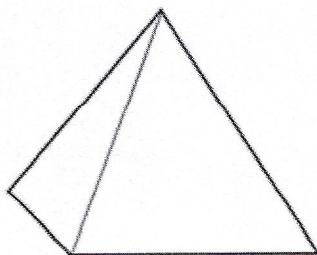
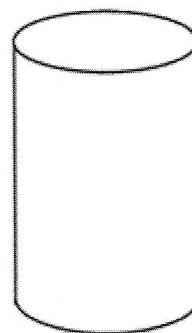
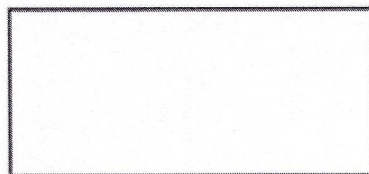
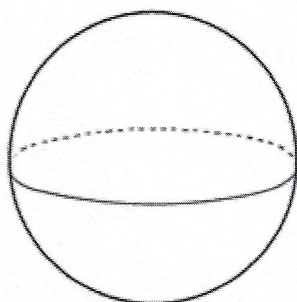
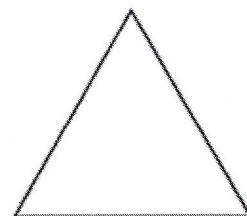
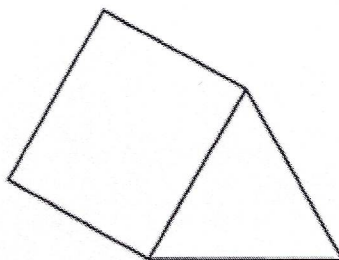
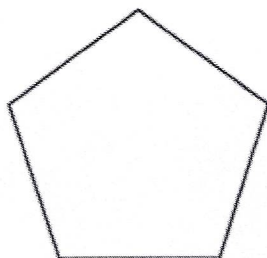
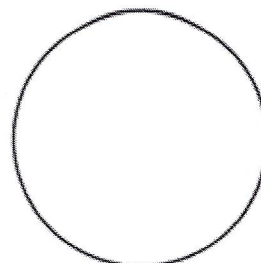
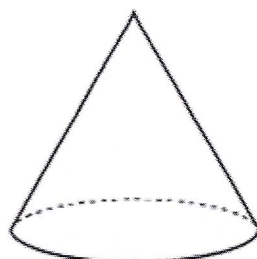
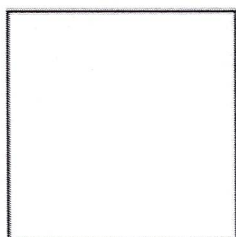
Lemonade

Cupcakes

Croquet

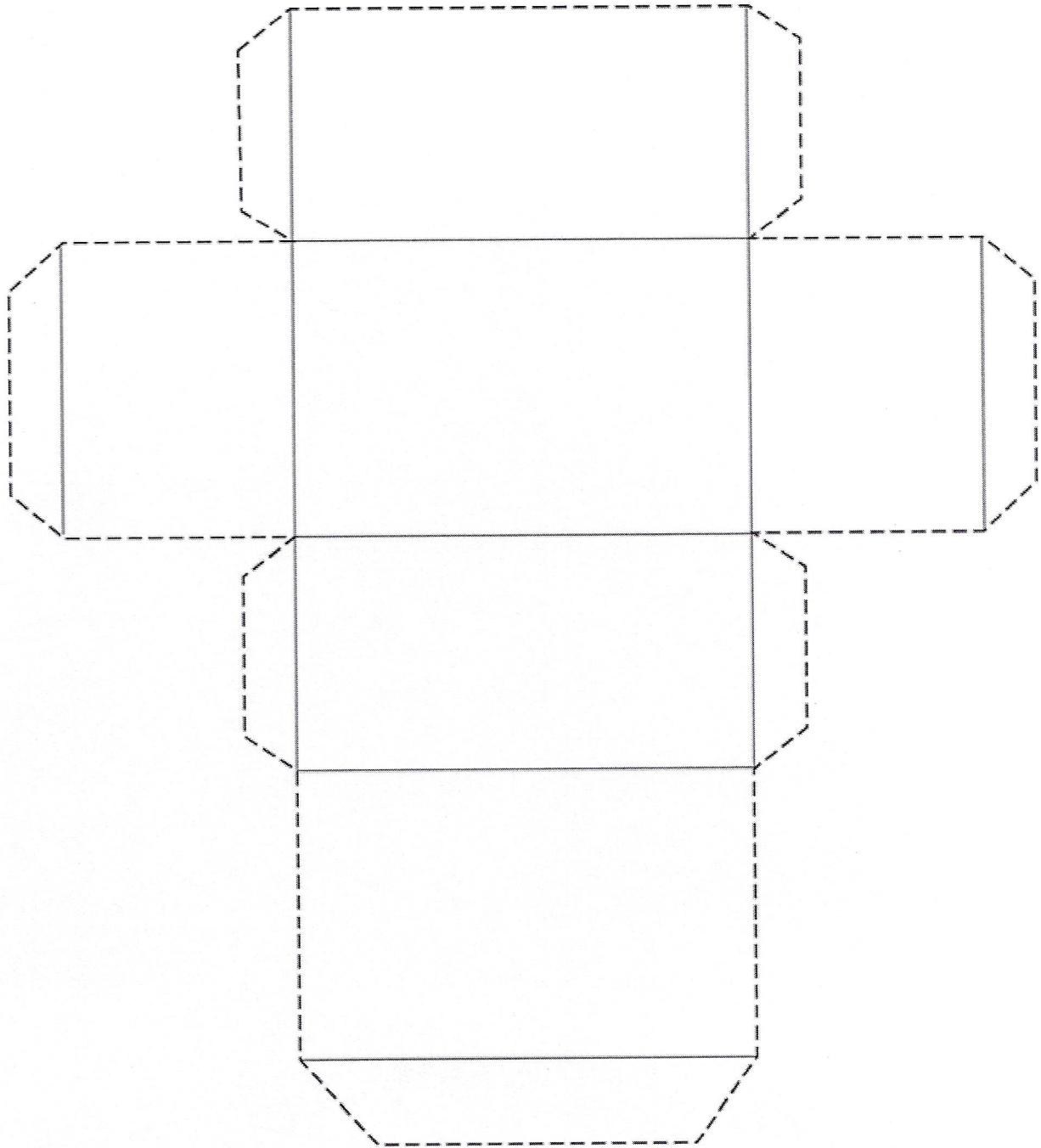


# Plane and Solid Shapes

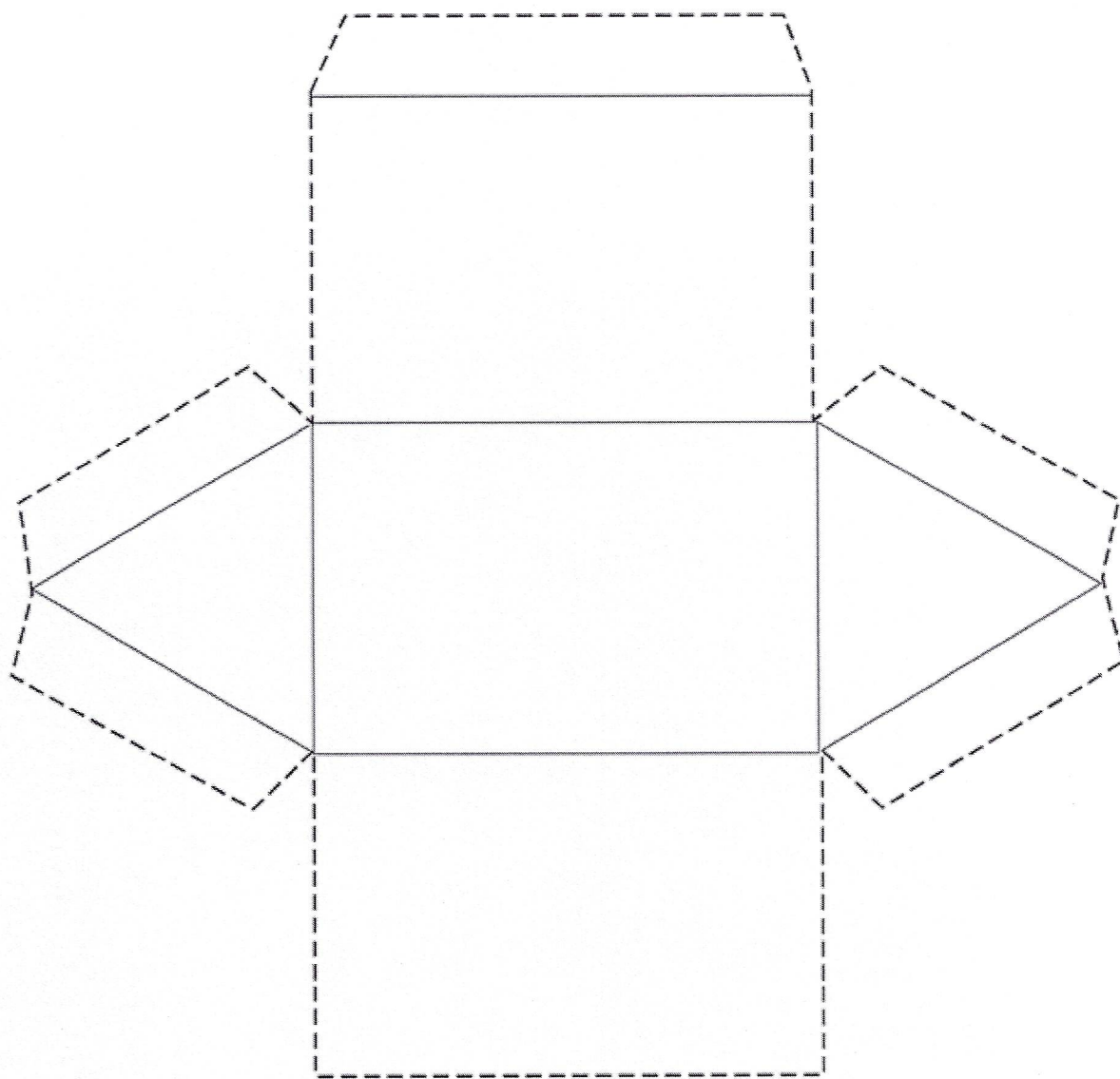




# Rectangular Prism

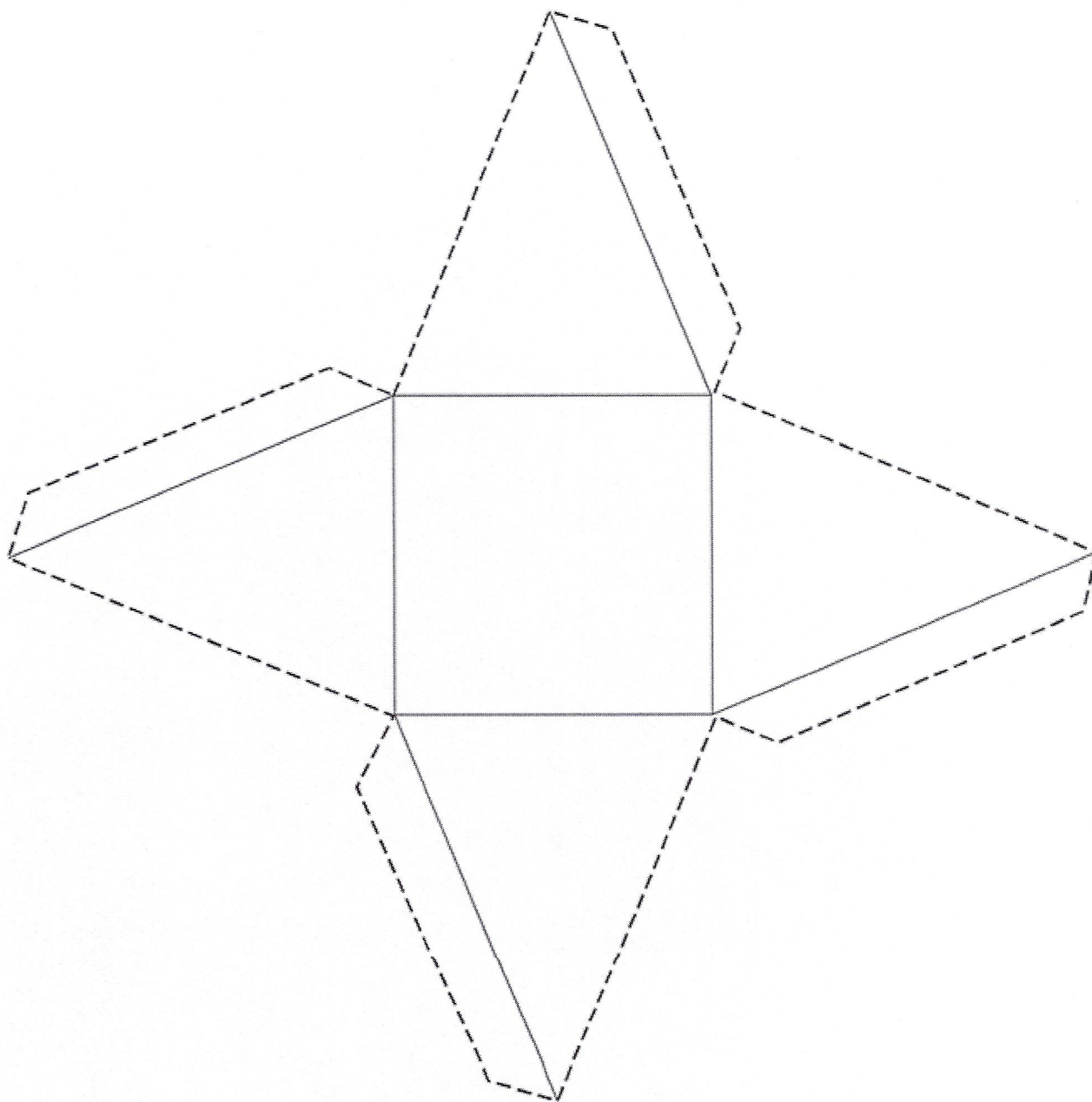


# Triangular Prism

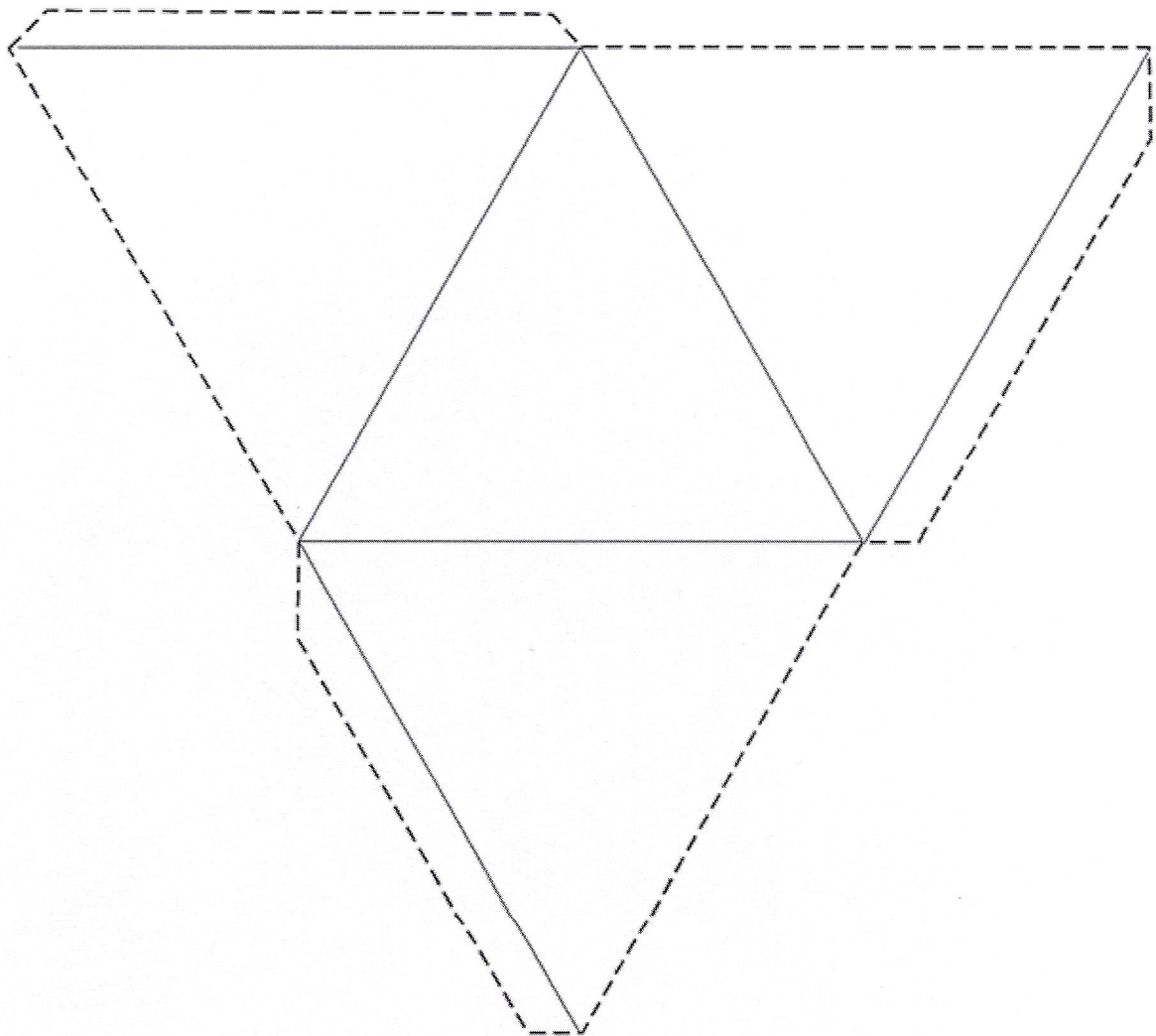




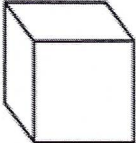
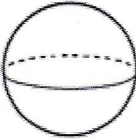
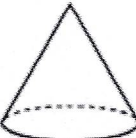
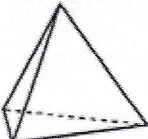
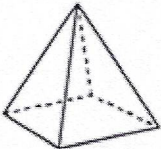
# Square Pyramid



# Triangular Pyramid



# Polyhedron Parts

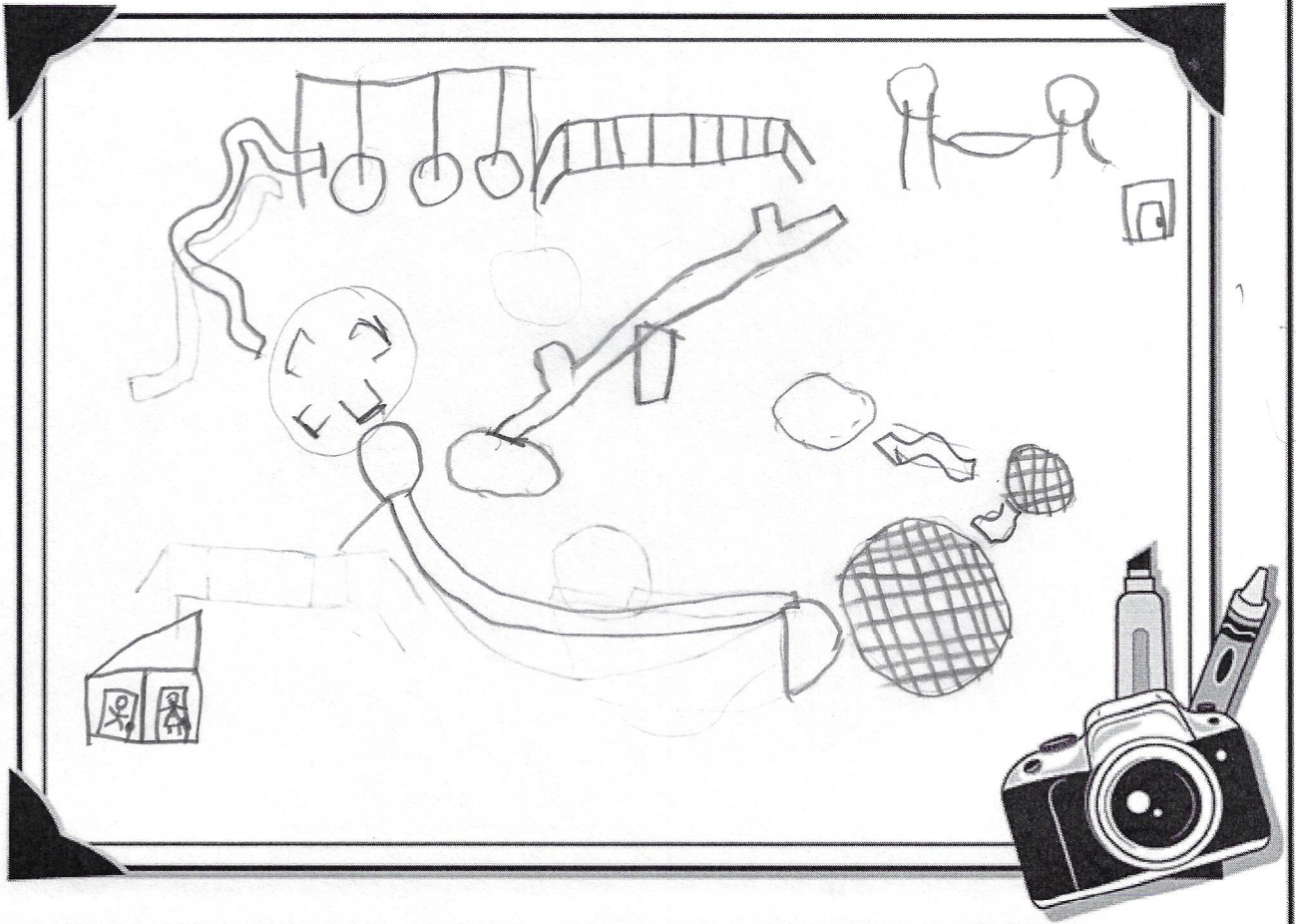
| Shapes                                                                                                 | Faces | Edges | Vertices |
|--------------------------------------------------------------------------------------------------------|-------|-------|----------|
|  cube                 |       |       |          |
|  sphere               |       |       |          |
|  cone                 |       |       |          |
|  cylinder            |       |       |          |
|  triangular pyramid |       |       |          |
|  square pyramid     |       |       |          |
|  triangular prism   |       |       |          |
|  rectangular prism  |       |       |          |



# Playground Planning Sheets

Things my playground will have:

MERRY-GO-ROUND ✓ TRAMPOLINE ✓  
TEE TEE-TOTTER ✓ SLIDING DISCS ✓  
MONKEY BAR ✓

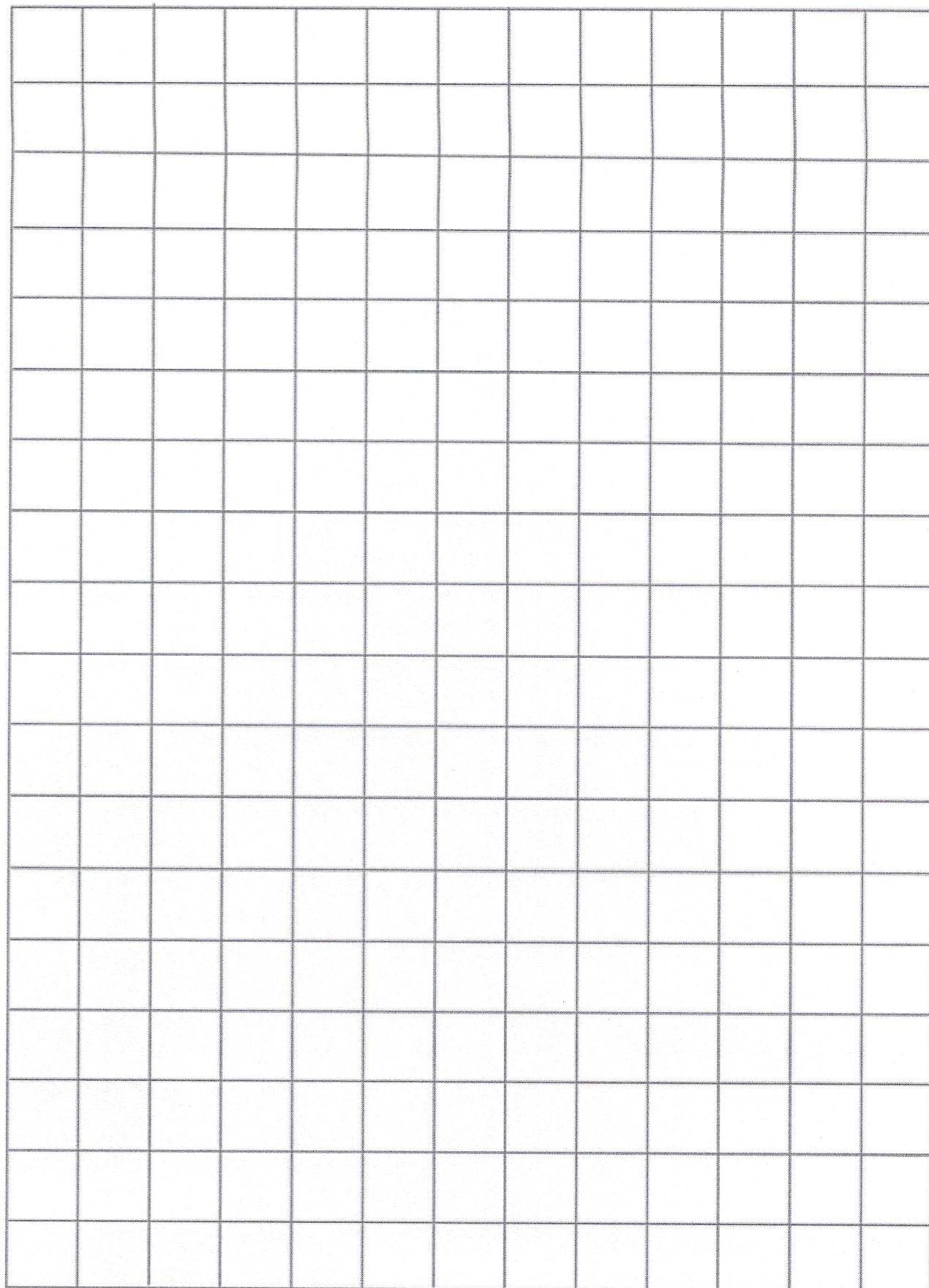




**Instructions:** Include 5 different plane shapes and 5 different solid shapes in your playground plans!

| Shapes    | Ideas |
|-----------|-------|
| square    |       |
| rectangle |       |
| triangle  |       |
| circle    |       |
| hexagon   |       |
| octagon   |       |
| cube      |       |
| prism     |       |
| pyramid   |       |
| cone      |       |
| sphere    |       |

# Playground Design





## Unit 4: Place Value I

# Basic Addition Strategies

Nothing is added!



## The Zero Property of Addition

example

$$8 + 0 = 8$$

Turn-Around Facts



example

$$5 + 3 = 8$$

$$3 + 5 = 8$$

So  $5 + 3 = 3 + 5$

## Doubles

example

$$3 + 3 = 6$$

$$4 + 4 = 8$$



Adding a number to itself





## Doubles Plus 1

example  
 $3 + 3 = 6$   
So  $3 + 4 = 7$

If I know the  
double, then  
this is easy!



## Making 10s

What  
numbers  
make 10?



example  
 $3 + 7 = 10$   
 $6 + 4 = 10$

## Fact Families

Some  
numbers  
belong  
together!



example  
 $2 + 8 = 10$   
 $8 + 2 = 10$   
 $10 - 8 = 2$   
 $10 - 2 = 8$

# Mental Math

## Adding Multiples of 10



$16 + 30 =$

$34 + 50 =$

$17 + 40 =$

$25 + 60 =$

$27 + 60 =$

$19 + 40 =$

$26 + 60 =$

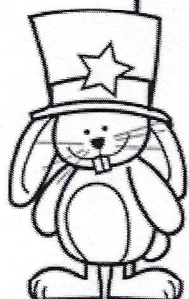
$15 + 40 =$

$28 + 20 =$

$22 + 30 =$

$32 + 50 =$

$43 + 40 =$





# Place Value Mat

| Hundreds | Tens | Ones |
|----------|------|------|
|          |      |      |





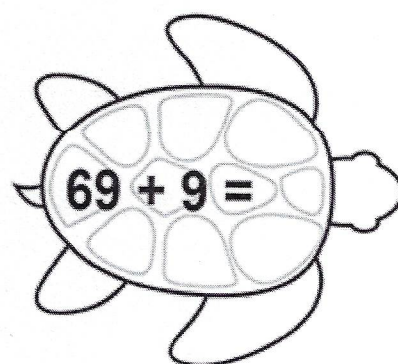
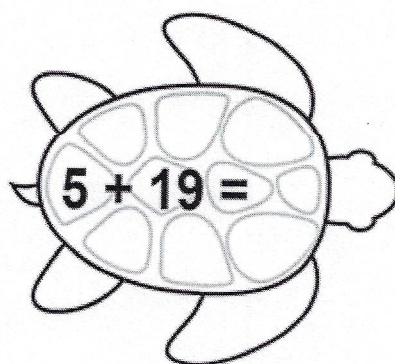
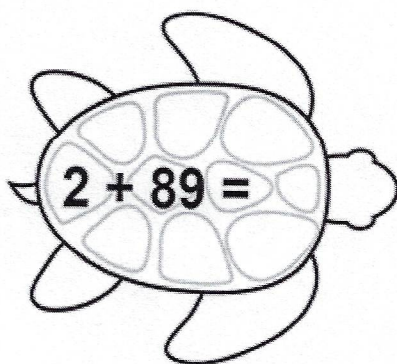
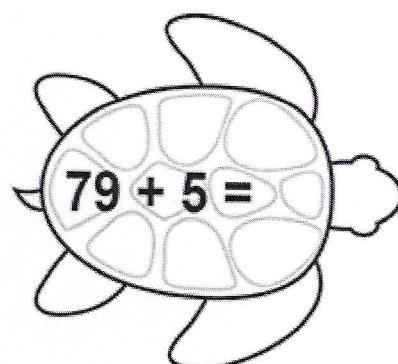
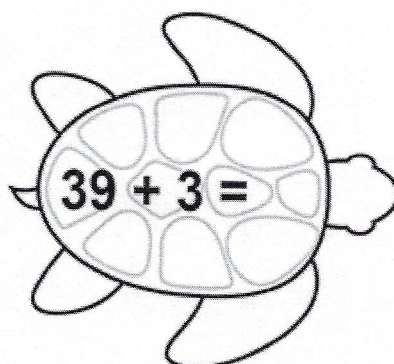
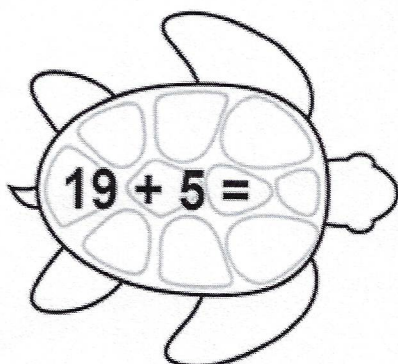
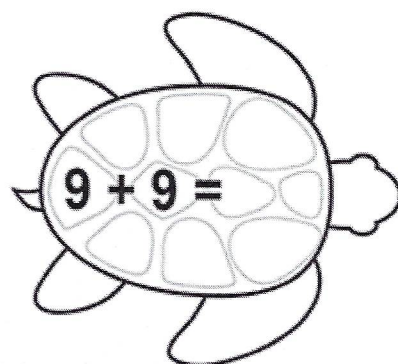
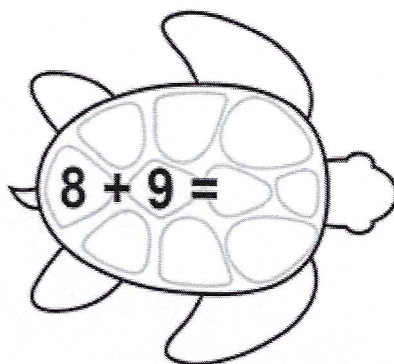
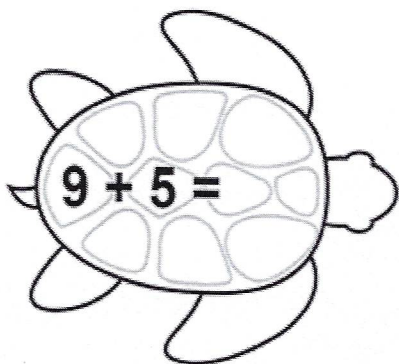
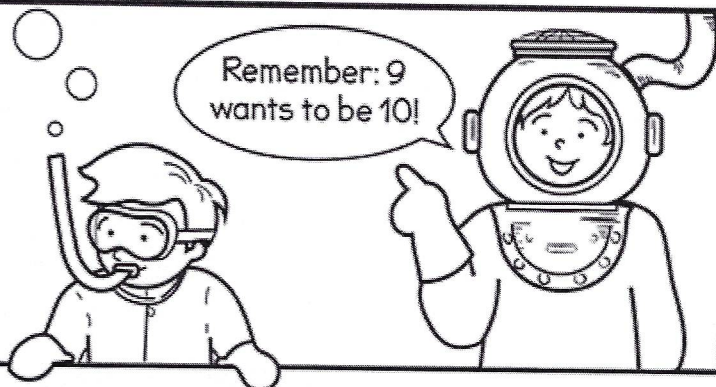
# Two-Digit Addition

**Directions:** Add, then circle 10 ones to show how you regrouped them as 1 ten.

| <table border="1"> <thead> <tr> <th>Tens</th> <th>Ones</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>6</td> </tr> <tr> <td>+ 2</td> <td>5</td> </tr> <tr> <td>4</td> <td>1</td> </tr> </tbody> </table> | Tens | Ones | 1 | 6 | + 2 | 5 | 4 | 1 | <table border="1"> <thead> <tr> <th>Tens</th> <th>Ones</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>9</td> </tr> <tr> <td>+ 1</td> <td>6</td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table> | Tens | Ones | 3 | 9 | + 1 | 6 |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|---|---|-----|---|---|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|---|---|-----|---|--|--|
| Tens                                                                                                                                                                                                      | Ones |      |   |   |     |   |   |   |                                                                                                                                                                                                         |      |      |   |   |     |   |  |  |
| 1                                                                                                                                                                                                         | 6    |      |   |   |     |   |   |   |                                                                                                                                                                                                         |      |      |   |   |     |   |  |  |
| + 2                                                                                                                                                                                                       | 5    |      |   |   |     |   |   |   |                                                                                                                                                                                                         |      |      |   |   |     |   |  |  |
| 4                                                                                                                                                                                                         | 1    |      |   |   |     |   |   |   |                                                                                                                                                                                                         |      |      |   |   |     |   |  |  |
| Tens                                                                                                                                                                                                      | Ones |      |   |   |     |   |   |   |                                                                                                                                                                                                         |      |      |   |   |     |   |  |  |
| 3                                                                                                                                                                                                         | 9    |      |   |   |     |   |   |   |                                                                                                                                                                                                         |      |      |   |   |     |   |  |  |
| + 1                                                                                                                                                                                                       | 6    |      |   |   |     |   |   |   |                                                                                                                                                                                                         |      |      |   |   |     |   |  |  |
|                                                                                                                                                                                                           |      |      |   |   |     |   |   |   |                                                                                                                                                                                                         |      |      |   |   |     |   |  |  |
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| Tens                                                                                                                                                                                                      | Ones |      |   |   |     |   |   |   |                                                                                                                                                                                                         |      |      |   |   |     |   |  |  |
| 5                                                                                                                                                                                                         | 8    |      |   |   |     |   |   |   |                                                                                                                                                                                                         |      |      |   |   |     |   |  |  |
| + 2                                                                                                                                                                                                       | 4    |      |   |   |     |   |   |   |                                                                                                                                                                                                         |      |      |   |   |     |   |  |  |
|                                                                                                                                                                                                           |      |      |   |   |     |   |   |   |                                                                                                                                                                                                         |      |      |   |   |     |   |  |  |
| Tens                                                                                                                                                                                                      | Ones |      |   |   |     |   |   |   |                                                                                                                                                                                                         |      |      |   |   |     |   |  |  |
| 1                                                                                                                                                                                                         | 5    |      |   |   |     |   |   |   |                                                                                                                                                                                                         |      |      |   |   |     |   |  |  |
| + 1                                                                                                                                                                                                       | 9    |      |   |   |     |   |   |   |                                                                                                                                                                                                         |      |      |   |   |     |   |  |  |
|                                                                                                                                                                                                           |      |      |   |   |     |   |   |   |                                                                                                                                                                                                         |      |      |   |   |     |   |  |  |
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| Tens                                                                                                                                                                                                      | Ones |      |   |   |     |   |   |   |                                                                                                                                                                                                         |      |      |   |   |     |   |  |  |
| 3                                                                                                                                                                                                         | 6    |      |   |   |     |   |   |   |                                                                                                                                                                                                         |      |      |   |   |     |   |  |  |
| + 4                                                                                                                                                                                                       | 7    |      |   |   |     |   |   |   |                                                                                                                                                                                                         |      |      |   |   |     |   |  |  |
|                                                                                                                                                                                                           |      |      |   |   |     |   |   |   |                                                                                                                                                                                                         |      |      |   |   |     |   |  |  |
| Tens                                                                                                                                                                                                      | Ones |      |   |   |     |   |   |   |                                                                                                                                                                                                         |      |      |   |   |     |   |  |  |
| 2                                                                                                                                                                                                         | 4    |      |   |   |     |   |   |   |                                                                                                                                                                                                         |      |      |   |   |     |   |  |  |
| + 4                                                                                                                                                                                                       | 8    |      |   |   |     |   |   |   |                                                                                                                                                                                                         |      |      |   |   |     |   |  |  |
|                                                                                                                                                                                                           |      |      |   |   |     |   |   |   |                                                                                                                                                                                                         |      |      |   |   |     |   |  |  |
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| Tens                                                                                                                                                                                                      | Ones |      |   |   |     |   |   |   |                                                                                                                                                                                                         |      |      |   |   |     |   |  |  |
| 2                                                                                                                                                                                                         | 6    |      |   |   |     |   |   |   |                                                                                                                                                                                                         |      |      |   |   |     |   |  |  |
| + 5                                                                                                                                                                                                       | 9    |      |   |   |     |   |   |   |                                                                                                                                                                                                         |      |      |   |   |     |   |  |  |
|                                                                                                                                                                                                           |      |      |   |   |     |   |   |   |                                                                                                                                                                                                         |      |      |   |   |     |   |  |  |
| Tens                                                                                                                                                                                                      | Ones |      |   |   |     |   |   |   |                                                                                                                                                                                                         |      |      |   |   |     |   |  |  |
| 6                                                                                                                                                                                                         | 5    |      |   |   |     |   |   |   |                                                                                                                                                                                                         |      |      |   |   |     |   |  |  |
| + 6                                                                                                                                                                                                       |      |      |   |   |     |   |   |   |                                                                                                                                                                                                         |      |      |   |   |     |   |  |  |
|                                                                                                                                                                                                           |      |      |   |   |     |   |   |   |                                                                                                                                                                                                         |      |      |   |   |     |   |  |  |



# Adding Nines





# Two Addition Tricks

## Adding Nines

example:  $9 + 4 =$

Nine really wants to be 10

$10 + 3 = 13$

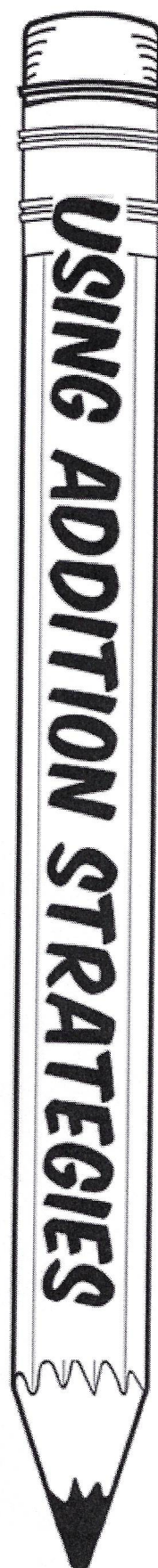
## Adding Eights

example:  $8 + 6 =$

Eight wants to be 10, too!

$10 + 4 = 14$





9999999999

$$3+7=$$

$$17+8=$$

$$0+15=$$

$$8+8=$$

$$16+7=$$

9999999999

$$9+6=$$

$$14+6=$$

$$8+5=$$

$$14+5=$$

$$12+9=$$



# Basic Subtraction Strategies

Nothing  
is taken  
away!



## Role of Zero

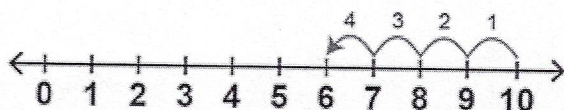
example

$$8 - 0 = 8$$

## Counting Back

example

$$10 - 4 = 6$$



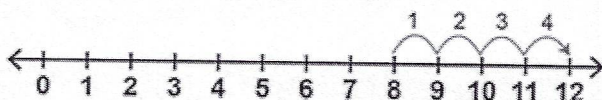
Start at the bigger number and  
count back to the smaller number.



## Counting Up

example

$$12 - 8 = 4$$



Start at the smaller number and  
count up to the bigger number.





## Number Minus Itself

There's  
nothing  
left!



example

$$7 - 7 = 0$$

## Neighbors

Numbers  
that are close  
to each other...



example

$$6 - 5 = 1$$

$$8 - 6 = 2$$

## Half Facts

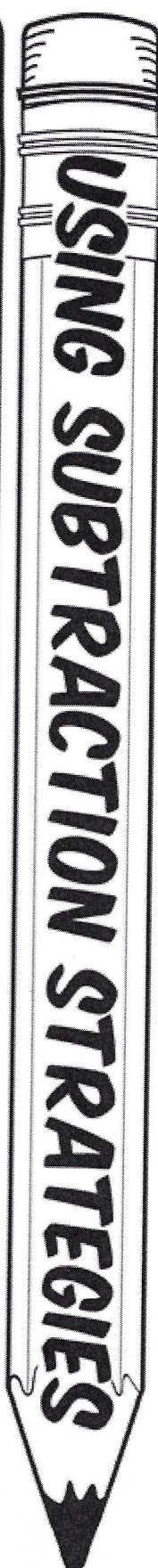
Using what  
you know  
about  
doubles!



example

$$8 - 4 = 4$$





10 - 0 =

$$8 - 7 =$$

$$7 - 5 =$$

$$6 - 3 =$$

$$14 - 4 =$$

15 - 5 =

$$8 - 4 =$$

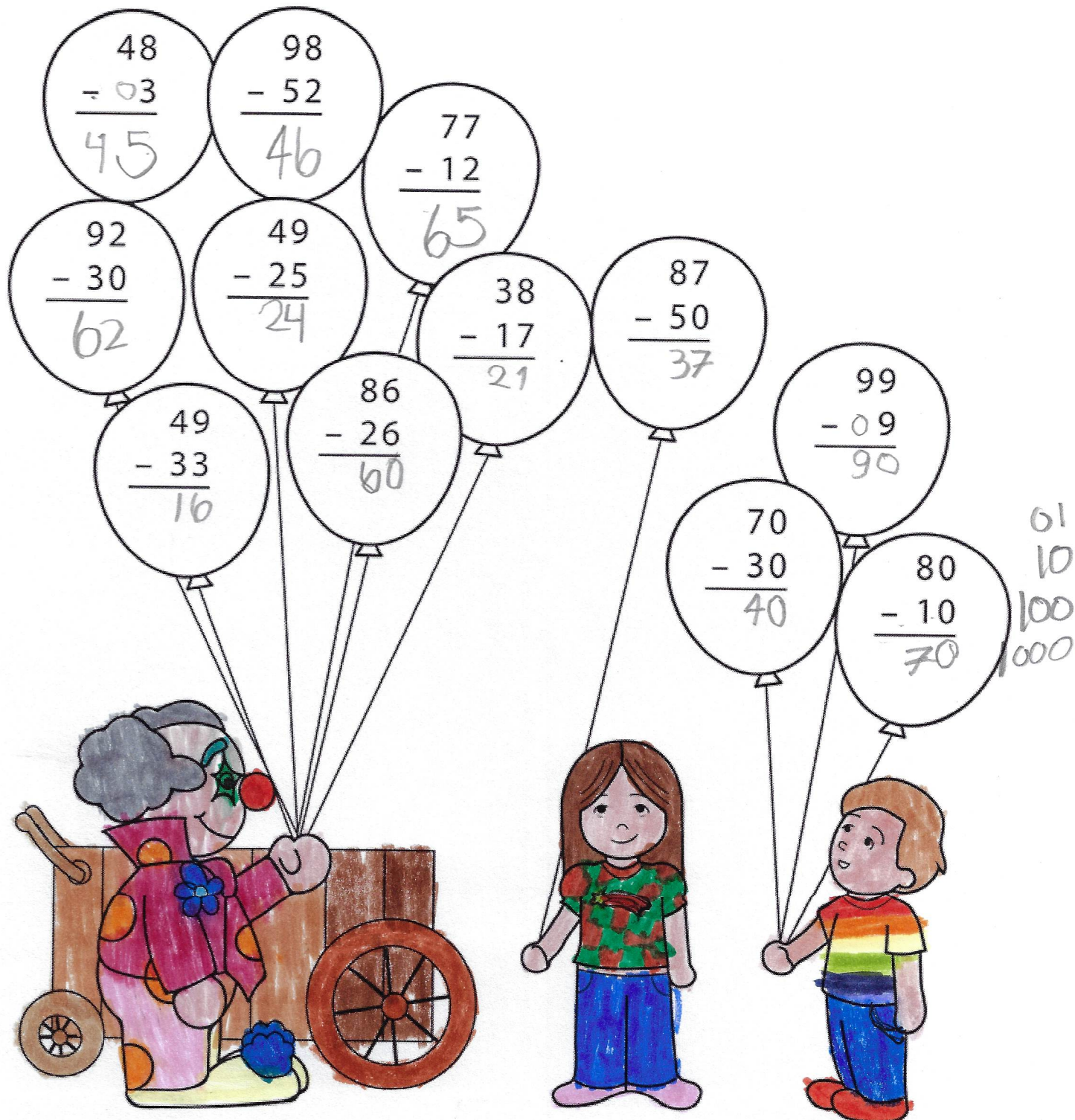
$$5 - 4 =$$

$$9 - 7 =$$

$$10 - 5 =$$

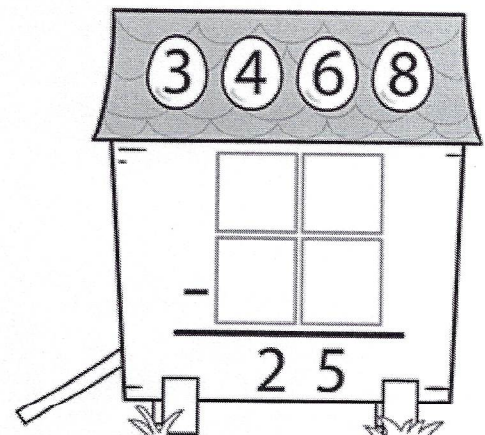
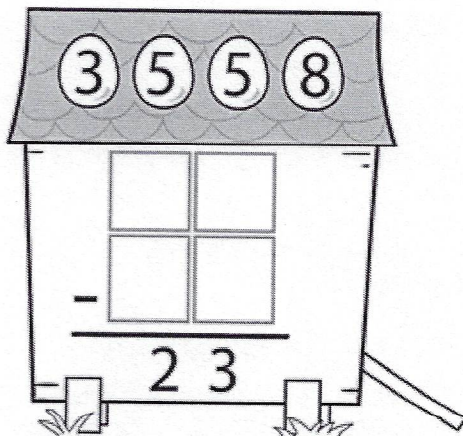
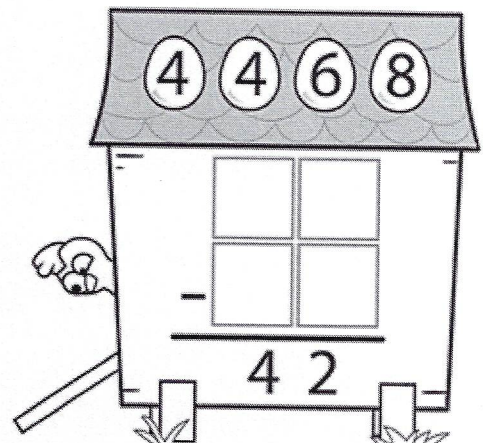
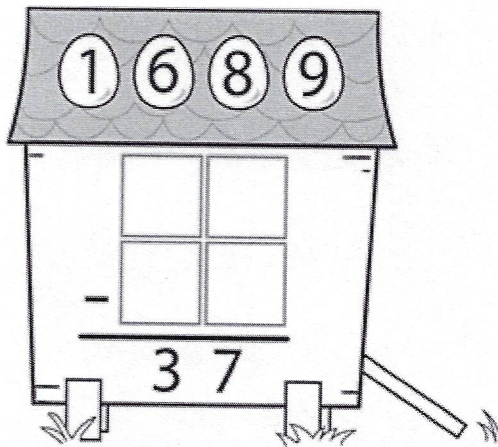
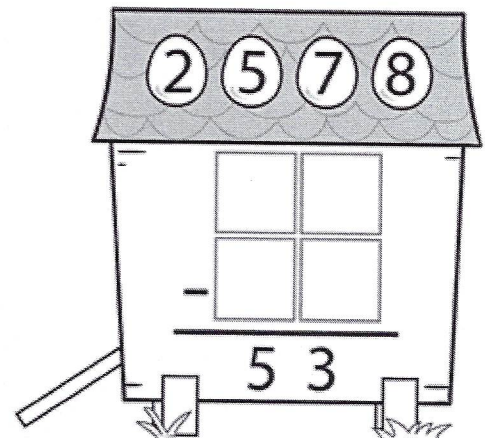
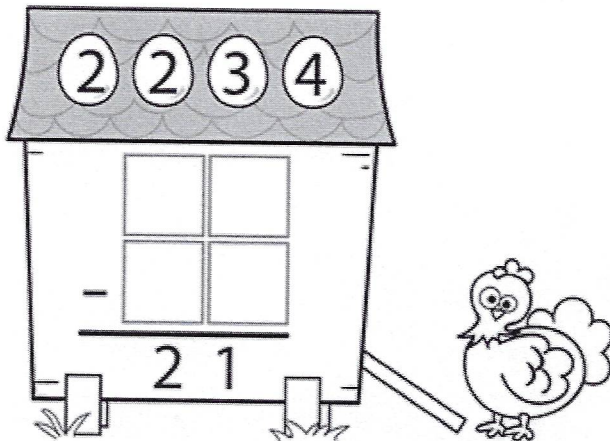
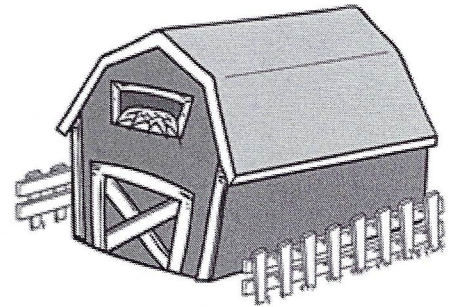


# Two-Digit Subtraction





# Missing Digits Subtraction

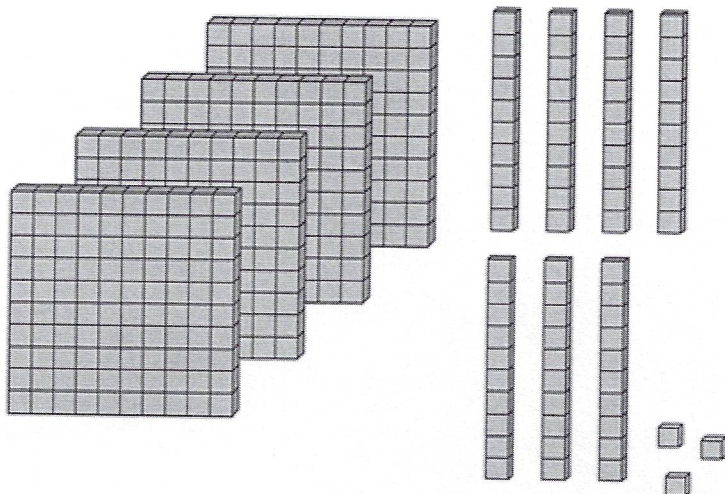




# Three-Digit Place Value

Instructions: Write how many hundreds, tens, and ones are shown. Then write the three-digit number in the blank.

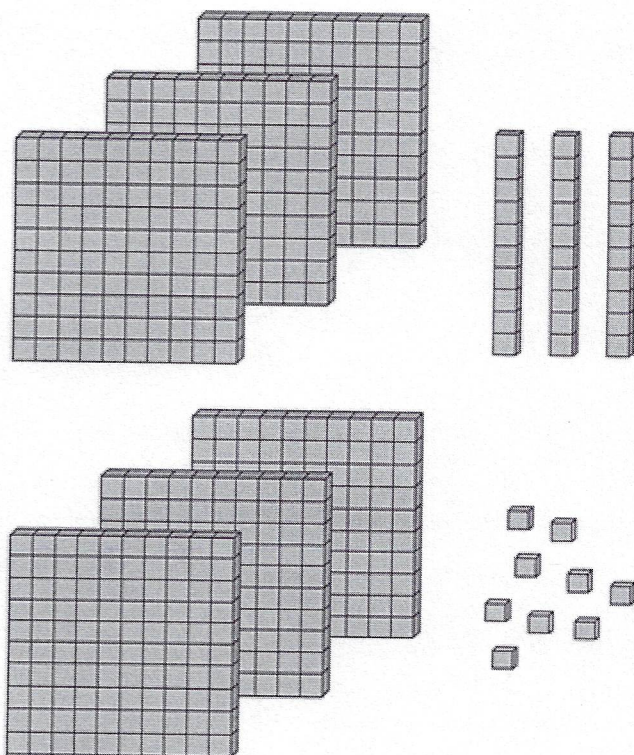
1



| Hundreds | Tens | Ones |
|----------|------|------|
|          |      |      |

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2



| Hundreds | Tens | Ones |
|----------|------|------|
|          |      |      |

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