

Name \_\_\_\_\_

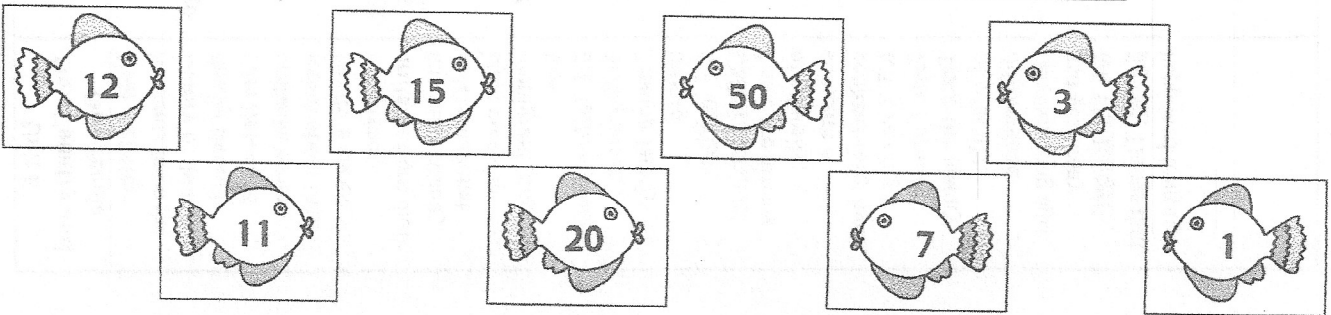
## CAT DETECTIVE

- 1 ♦ Solve each multiplication problem. Example problems have been done for you.
- 2 ♦ In the example problems, the numbers **10** and **2** are called a number pair. We write (10, 2).
- 3 ♦ Look at the graph on page 5. Graph the number pairs in the example. Start at 0.  
Go across to the number **10** and up to the number **2**. Plot the point.
- 4 ♦ Plot the point for each number pair. Then use a straightedge to connect the points in the order you plotted them. Can you solve the riddle?

X →		Y ↑	
$2 \times 5 = 10$	$2 \times 1 = 2$ (Example)		
$2 \times 11 = \underline{\hspace{2cm}}$	$6 \times 2 = \underline{\hspace{2cm}}$		
$5 \times 2 = \underline{\hspace{2cm}}$	$11 \times 2 = \underline{\hspace{2cm}}$		
$2 \times 3 = \underline{\hspace{2cm}}$	$2 \times 11 = \underline{\hspace{2cm}}$		
$2 \times 6 = \underline{\hspace{2cm}}$	$2 \times 8 = \underline{\hspace{2cm}}$		
$2 \times 3 = \underline{\hspace{2cm}}$	$2 \times 7 = \underline{\hspace{2cm}}$		
$2 \times 1 = \underline{\hspace{2cm}}$	$8 \times 2 = \underline{\hspace{2cm}}$		
$1 \times 2 = \underline{\hspace{2cm}}$	$4 \times 2 = \underline{\hspace{2cm}}$		
$3 \times 2 = \underline{\hspace{2cm}}$	$5 \times 2 = \underline{\hspace{2cm}}$		
$6 \times 2 = \underline{\hspace{2cm}}$	$2 \times 4 = \underline{\hspace{2cm}}$		
$2 \times 3 = \underline{\hspace{2cm}}$	$1 \times 2 = \underline{\hspace{2cm}}$		
$5 \times 2 = \underline{\hspace{2cm}}$	$2 \times 1 = \underline{\hspace{2cm}}$		

### EXTRA CHALLENGE!

Thanks to his sharp eyes, the Cat Detective found a "fishy" note hidden under a flowerpot. It read:  
*The gold is hidden behind one of the fish tiles in the bathroom. The number on the fish is less than  $9 \times 2$ , and it is a multiple of 2. Behind which fish is the gold hidden?* \_\_\_\_\_

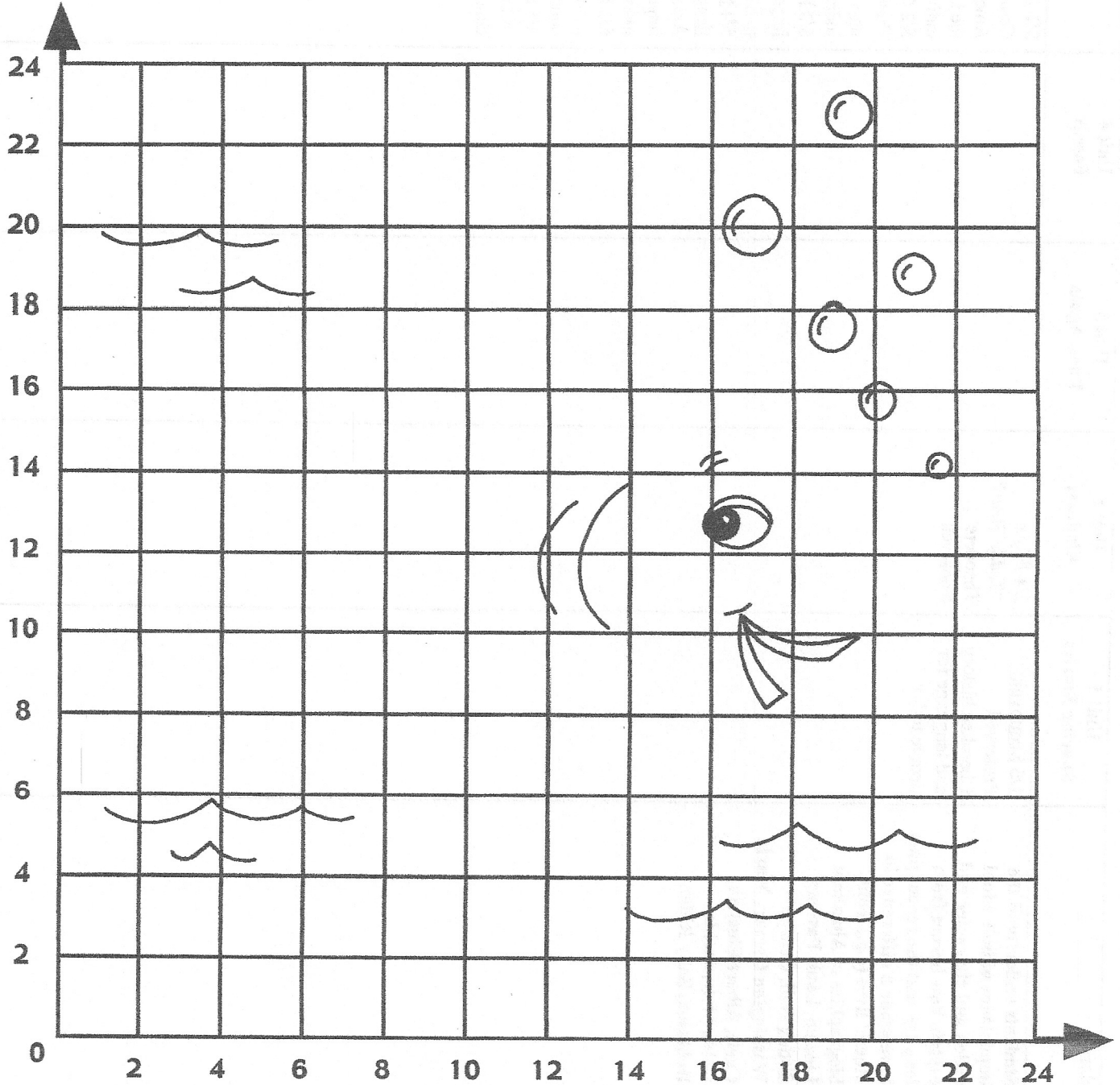


Name \_\_\_\_\_

# CAT DETECTIVE

What was the cat detective looking for? \_\_\_\_\_

To find out the answer, solve the problems on page 6. Then plot the number pairs and connect the points. The picture you make will help you solve the riddle. (The answer is upside down at the bottom of this page.)



Answer: *something fishy*



Name \_\_\_\_\_

## COYOTE BY MOONLIGHT

1. Solve each multiplication problem. Example problems have been done for you.
2. In the example problems, the numbers **20** and **10** are called a number pair. We write (20, 10).
3. Look at the graph on page 15. Graph the number pairs in the example. Start at 0.  
Go across to the number **20** and up to the number **10**. Plot the point.
4. Plot the point for each number pair. Then use a straightedge to connect the points in the order you plotted them. Can you solve the riddle?

$X \rightarrow$	$Y \uparrow$
$4 \times 5 = 20$	$2 \times 5 = 10$ (Example)
$5 \times 4 = \underline{\hspace{2cm}}$	$5 \times 5 = \underline{\hspace{2cm}}$
$6 \times 5 = \underline{\hspace{2cm}}$	$5 \times 6 = \underline{\hspace{2cm}}$
$5 \times 6 = \underline{\hspace{2cm}}$	$10 \times 5 = \underline{\hspace{2cm}}$
$5 \times 5 = \underline{\hspace{2cm}}$	$5 \times 10 = \underline{\hspace{2cm}}$
$5 \times 5 = \underline{\hspace{2cm}}$	$7 \times 5 = \underline{\hspace{2cm}}$
$4 \times 5 = \underline{\hspace{2cm}}$	$5 \times 7 = \underline{\hspace{2cm}}$
$5 \times 4 = \underline{\hspace{2cm}}$	$11 \times 5 = \underline{\hspace{2cm}}$
$5 \times 3 = \underline{\hspace{2cm}}$	$5 \times 11 = \underline{\hspace{2cm}}$
$3 \times 5 = \underline{\hspace{2cm}}$	$8 \times 5 = \underline{\hspace{2cm}}$
$2 \times 5 = \underline{\hspace{2cm}}$	$5 \times 8 = \underline{\hspace{2cm}}$
$5 \times 2 = \underline{\hspace{2cm}}$	$5 \times 10 = \underline{\hspace{2cm}}$
$1 \times 5 = \underline{\hspace{2cm}}$	$10 \times 5 = \underline{\hspace{2cm}}$
$5 \times 1 = \underline{\hspace{2cm}}$	$7 \times 5 = \underline{\hspace{2cm}}$
$5 \times 3 = \underline{\hspace{2cm}}$	$6 \times 5 = \underline{\hspace{2cm}}$
$3 \times 5 = \underline{\hspace{2cm}}$	$2 \times 5 = \underline{\hspace{2cm}}$
$4 \times 5 = \underline{\hspace{2cm}}$	$5 \times 2 = \underline{\hspace{2cm}}$

### EXTRA CHALLENGE!

Why did the cowboy get a job as a comedian?

Shade the boxes that contain numbers that are multiples of 5. The letters in the unshaded boxes spell the answer to the riddle. (Read from left to right.)

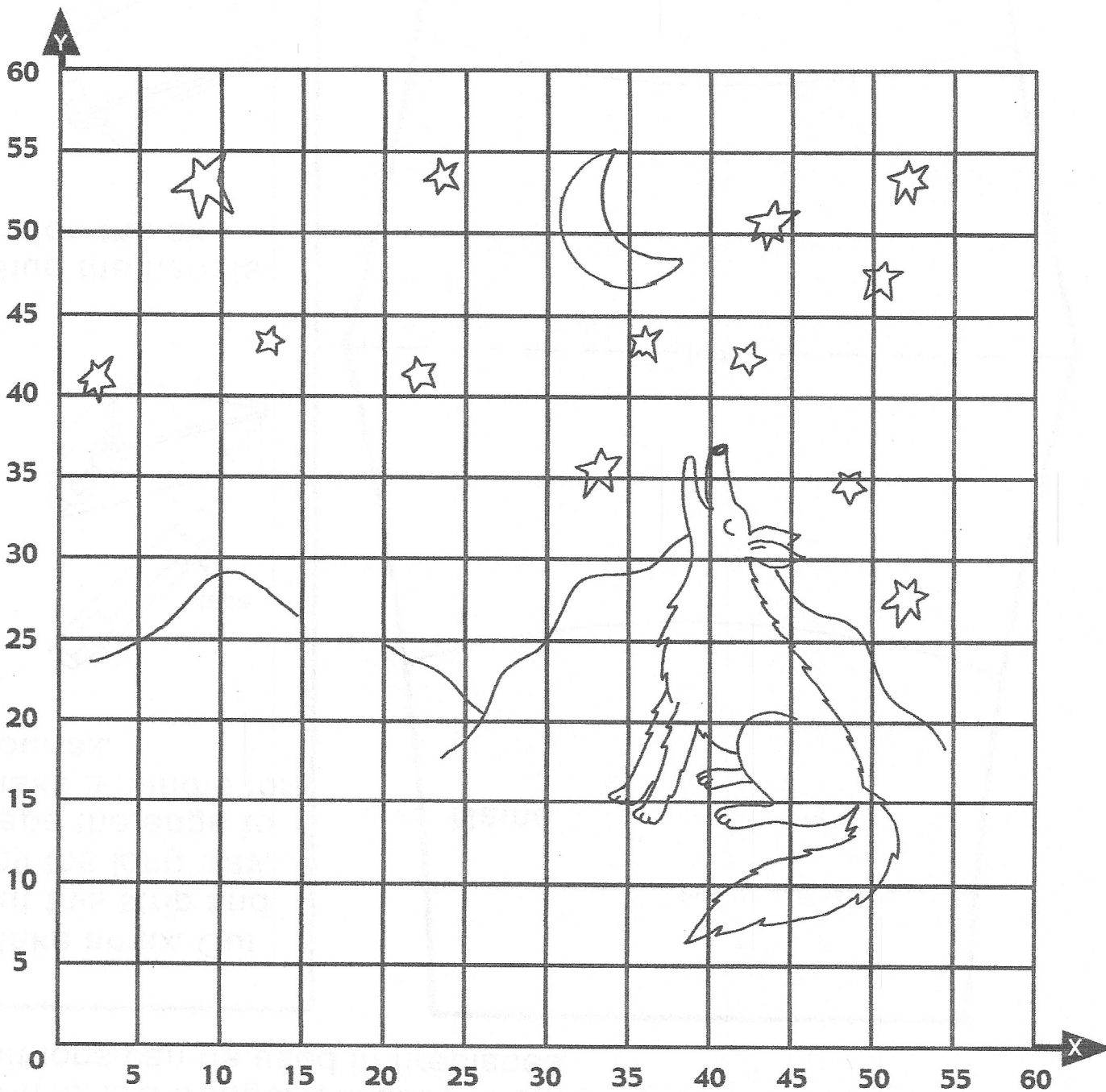
H 12	E 7	R 15	W 11	O 25	A 16	S 18	A 6	L 26	W 52
T 35	A 14	Y 17	S 13	H 19	O 36	P 45	R 37	S 46	I 48
N 4	G 12	A 23	T 10	R 42	O 41	U 19	B 30	N 6	D 63

Name \_\_\_\_\_

# COYOTE BY MOONLIGHT

What has hands and gets into stick-ups with cowboys? \_\_\_\_\_

To find out the answer, solve the problems on page 16. Then plot the number pairs and connect the points. The picture you make will help you solve the riddle. (The answer is upside down at the bottom of this page.)



Answer: a cactus

Name \_\_\_\_\_

## OUTER SPACE

1. Solve each multiplication problem. Example problems have been done for you.
2. In the example problems, the numbers **30** and **55** are called a number pair. We write (30, 55).
3. Look at the graph on page 13. Graph the number pairs in the example. Start at 0.  
Go across to the number **30** and up to the number **55**. Plot the point.
4. Plot the point for each number pair, in order. Then use a straightedge to connect the points in the order you plotted them. Can you solve the riddle?

$x \rightarrow$		$y \uparrow$	
$6 \times 5 = 30$		$11 \times 5 = 55$ (Example)	
$7 \times 5 = \underline{\hspace{2cm}}$		$5 \times 7 = \underline{\hspace{2cm}}$	
$5 \times 11 = \underline{\hspace{2cm}}$		$7 \times 5 = \underline{\hspace{2cm}}$	
$5 \times 8 = \underline{\hspace{2cm}}$		$5 \times 5 = \underline{\hspace{2cm}}$	
$5 \times 9 = \underline{\hspace{2cm}}$		$5 \times 1 = \underline{\hspace{2cm}}$	
$5 \times 6 = \underline{\hspace{2cm}}$		$5 \times 4 = \underline{\hspace{2cm}}$	
$3 \times 5 = \underline{\hspace{2cm}}$		$1 \times 5 = \underline{\hspace{2cm}}$	
$4 \times 5 = \underline{\hspace{2cm}}$		$5 \times 5 = \underline{\hspace{2cm}}$	
$5 \times 1 = \underline{\hspace{2cm}}$		$5 \times 7 = \underline{\hspace{2cm}}$	
$5 \times 5 = \underline{\hspace{2cm}}$		$7 \times 5 = \underline{\hspace{2cm}}$	
$5 \times 6 = \underline{\hspace{2cm}}$		$11 \times 5 = \underline{\hspace{2cm}}$	

### EXTRA CHALLENGE!

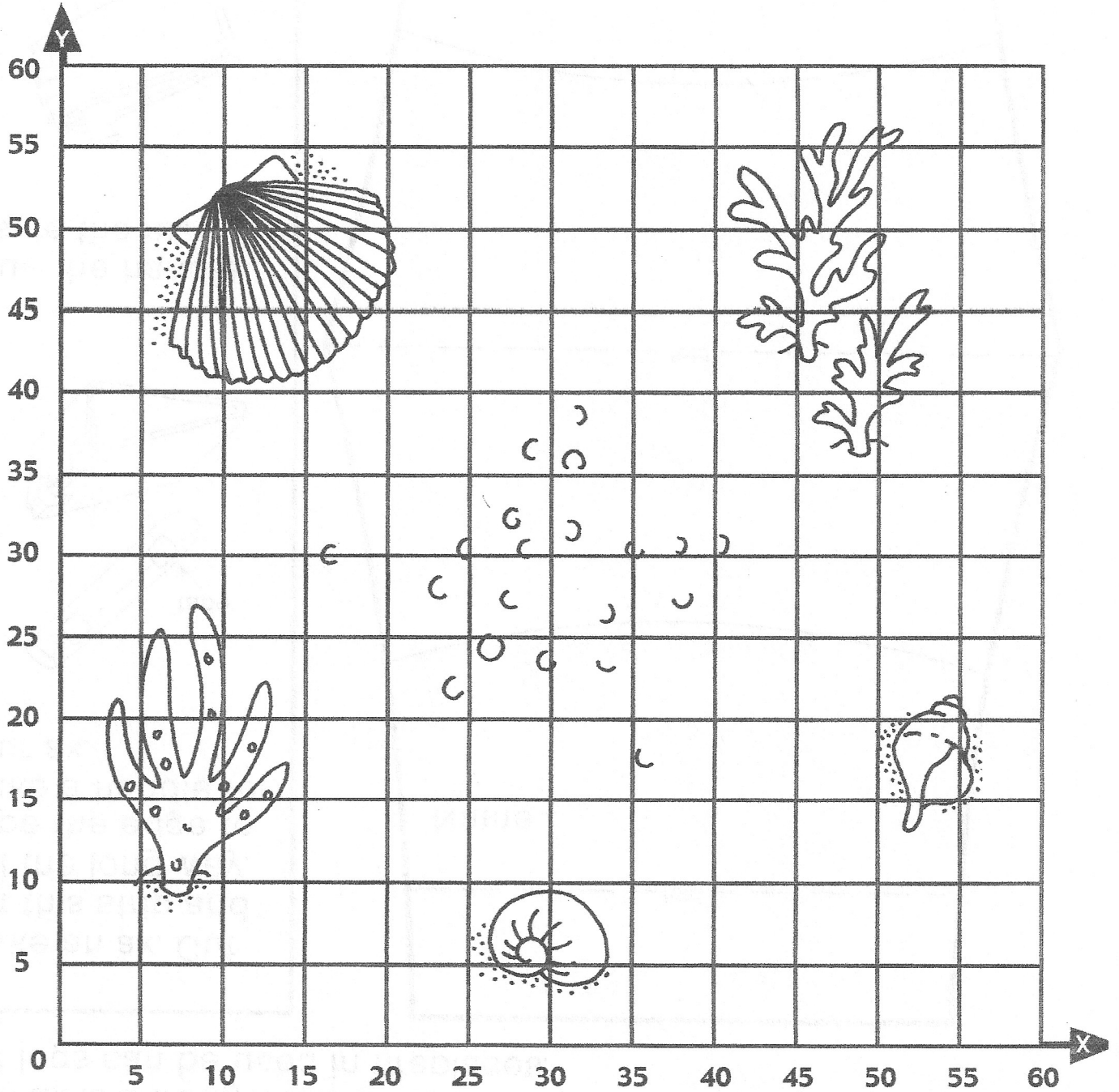
Arnold has a pocketful of nickels and dimes that equal one dollar. He has half as many dimes as nickels. How many nickels does he have? \_\_\_\_\_

Name \_\_\_\_\_

# OUTER SPACE

What kind of fish likes to study outer space? \_\_\_\_\_

To find out the answer, solve the problems on page 14. Then plot the number pairs and connect the points. The picture you make will help you solve the riddle. (The answer is upside down at the bottom of this page.)



Answer: a starfish

Name \_\_\_\_\_

## CUPID'S VISIT

1. Solve each multiplication problem. Example problems have been done for you.
2. In the example problems, the numbers **18** and **3** are called a number pair. We write (18, 3).
3. Look at the graph on page 7. Graph the number pairs in the example. Start at 0.  
Go across to the number **18** and up to the number **3**. Plot the point.
4. Plot the point for each number pair, in order. Then use a straightedge to connect the points in the order you plotted them. Can you solve the riddle?

$X \rightarrow$	$Y \uparrow$
$3 \times 6 = 18$	$1 \times 3 = 3$ (Example)
$3 \times 7 = \underline{\hspace{2cm}}$	$3 \times 2 = \underline{\hspace{2cm}}$
$3 \times 9 = \underline{\hspace{2cm}}$	$3 \times 4 = \underline{\hspace{2cm}}$
$3 \times 11 = \underline{\hspace{2cm}}$	$6 \times 3 = \underline{\hspace{2cm}}$
$11 \times 3 = \underline{\hspace{2cm}}$	$9 \times 3 = \underline{\hspace{2cm}}$
$10 \times 3 = \underline{\hspace{2cm}}$	$3 \times 11 = \underline{\hspace{2cm}}$
$3 \times 8 = \underline{\hspace{2cm}}$	$11 \times 3 = \underline{\hspace{2cm}}$
$3 \times 6 = \underline{\hspace{2cm}}$	$9 \times 3 = \underline{\hspace{2cm}}$
$4 \times 3 = \underline{\hspace{2cm}}$	$11 \times 3 = \underline{\hspace{2cm}}$
$3 \times 2 = \underline{\hspace{2cm}}$	$3 \times 11 = \underline{\hspace{2cm}}$
$3 \times 1 = \underline{\hspace{2cm}}$	$9 \times 3 = \underline{\hspace{2cm}}$
$1 \times 3 = \underline{\hspace{2cm}}$	$6 \times 3 = \underline{\hspace{2cm}}$
$3 \times 3 = \underline{\hspace{2cm}}$	$4 \times 3 = \underline{\hspace{2cm}}$
$5 \times 3 = \underline{\hspace{2cm}}$	$2 \times 3 = \underline{\hspace{2cm}}$
$3 \times 6 = \underline{\hspace{2cm}}$	$3 \times 1 = \underline{\hspace{2cm}}$

### EXTRA CHALLENGE!

Silly Sam bought Gretchen a box of chocolates for Valentine's Day. There was only one problem. When Gretchen opened the box of candy she noticed that every third piece was missing. If there were 12 pieces of candy left in the box, how many did Silly Sam take out?  
(Hint: It will help to draw a picture.) \_\_\_\_\_

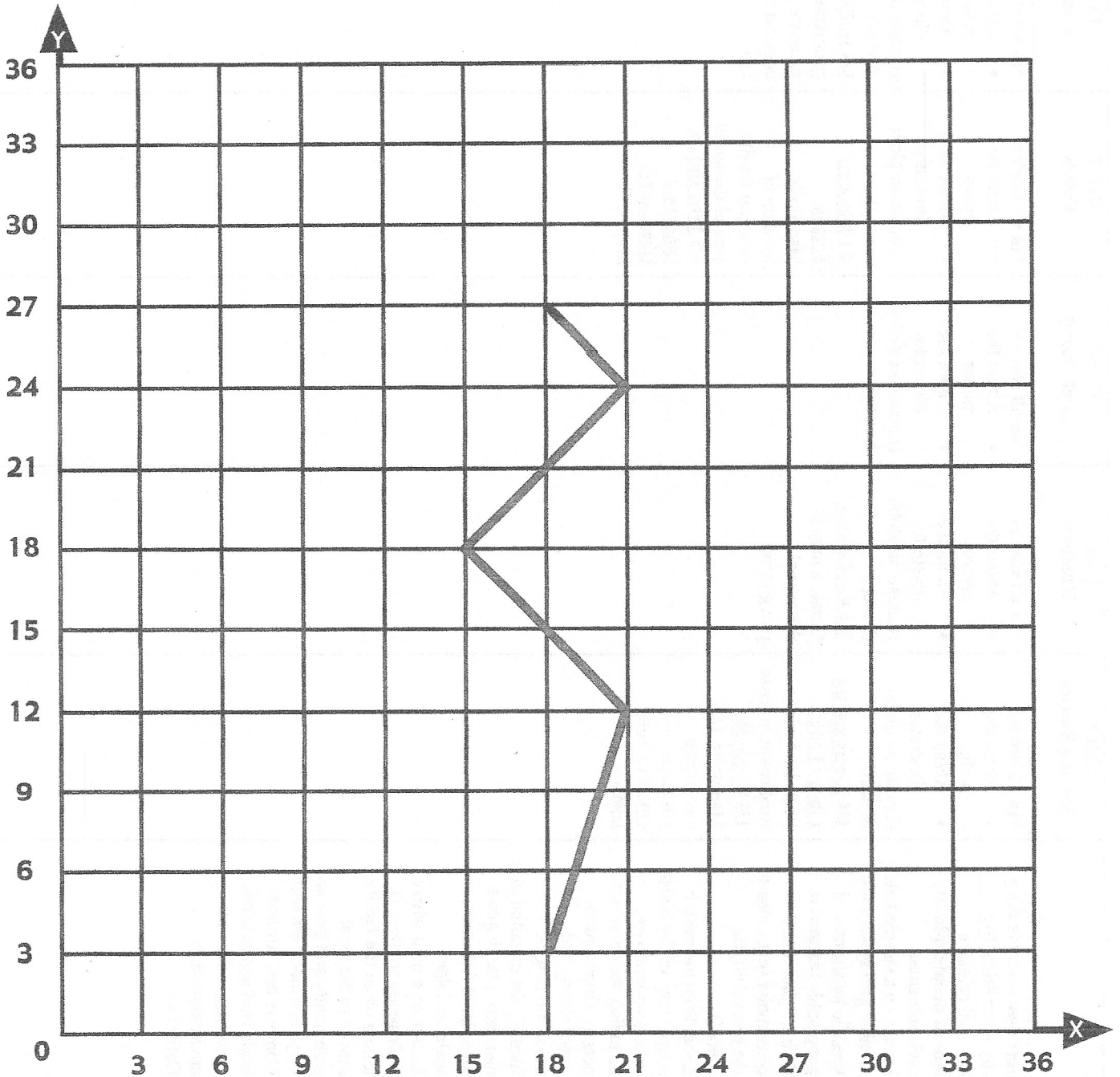


Name \_\_\_\_\_

# CUPID'S VISIT

Why did Cupid visit the tailor? \_\_\_\_\_

To find out the answer, solve the problems on page 8. Then plot the number pairs and connect the points. The picture you make will help you solve the riddle. (The answer is upside down at the bottom of this page.)



Answer: *He wanted help mending broken hearts.*

Name \_\_\_\_\_

# ALPHABET

1. Solve each multiplication problem. Example problems have been done for you.
2. In the example problems, the numbers **4** and **8** are called a number pair. We write (4, 8).
3. Look at the graph on page 11. Graph the number pairs in the example. Start at 0.  
Go across to the number **4** and up to the number **8**. Plot the point.
4. Plot the point for each number pair, in order. Then use a straightedge to connect the points in the order you plotted them. After the word STOP, start a new line. Can you solve the riddle?

X →				Y ↑						
1	x	4	=	4	2	x	4	=	8	(Example)
11	x	4	=	_____	2	x	4	=	_____	
4	x	11	=	_____	9	x	4	=	_____	
1	x	4	=	_____	4	x	9	=	_____	
4	x	1	=	_____	4	x	2	=	_____	
4	x	2	=	_____	4	x	3	=	_____	
3	x	4	=	_____	4	x	4	=	_____	
4	x	4	=	_____	4	x	5	=	_____	
5	x	4	=	_____	6	x	4	=	_____	STOP
4	x	1	=	_____	9	x	4	=	_____	
4	x	6	=	_____	4	x	5	=	_____	
11	x	4	=	_____	4	x	9	=	_____	STOP
4	x	7	=	_____	6	x	4	=	_____	
4	x	8	=	_____	5	x	4	=	_____	
9	x	4	=	_____	4	x	4	=	_____	
10	x	4	=	_____	4	x	3	=	_____	
4	x	11	=	_____	4	x	2	=	_____	

## EXTRA CHALLENGE!

What letter never gets put in an envelope? Solve the riddle by replacing the answers to the problems with the alphabet code.

E = 12   B = 16   A = 20

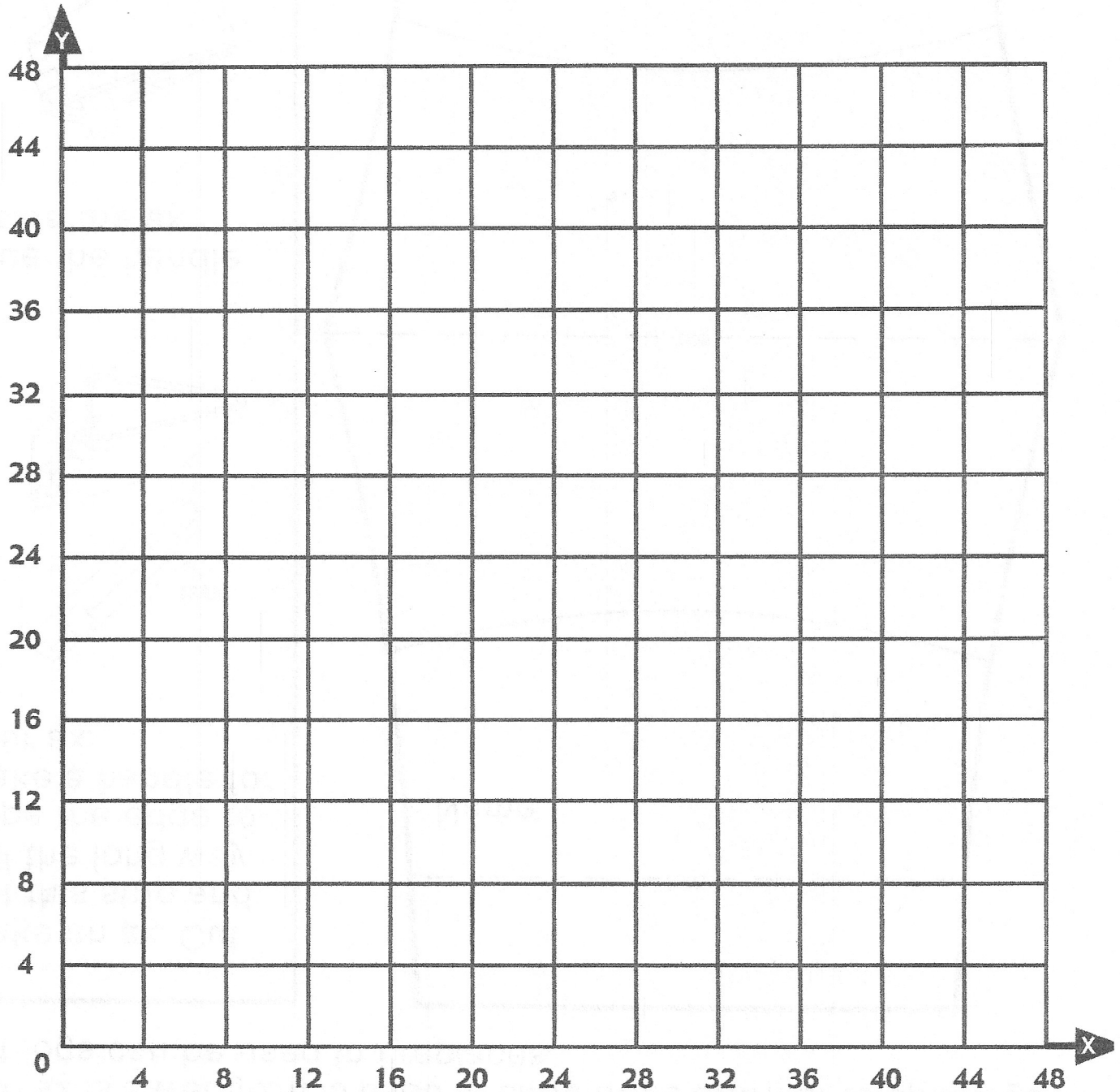
$4 \times 5 = \square$     
  $4 \times 4 = \square$     
  $4 \times 3 = \square$     
  $3 \times 4 = \square$

Name \_\_\_\_\_

# ALPHABET

I start with an "e" and have only one letter. What am I? \_\_\_\_\_

To find out the answer, solve the problems on page 12. Then plot the number pairs and connect the points. The picture you make will help you solve the riddle. (The answer is upside down at the bottom of this page.)



Answer: *an envelope*

Name \_\_\_\_\_

**MULTIPLICATION X 4**  
XXXXXXXXXXXXXX

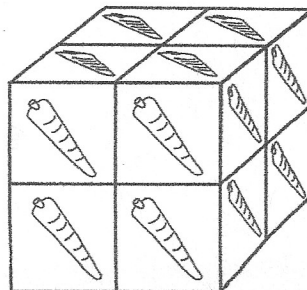
**PET STORE**

1. Solve each multiplication problem. Example problems have been done for you.
2. In the example problems, the numbers **28** and **12** are called a number pair. We write (28, 12).
3. Look at the graph on page 9. Graph the number pairs in the example. Start at 0.  
Go across to the number **28** and up to the number **12**. Plot the point.
4. Plot the point for each number pair, in order. Then use a straightedge to connect the points in the order you plotted them. Can you solve the riddle?

X →	Y ↑
4 x 7 = 28	4 x 3 = 12 (Example)
4 x 8 = _____	4 x 2 = _____
8 x 5 = _____	2 x 4 = _____
4 x 9 = _____	3 x 4 = _____
4 x 10 = _____	4 x 4 = _____
10 x 4 = _____	5 x 4 = _____
11 x 4 = _____	4 x 5 = _____
4 x 11 = _____	4 x 6 = _____
9 x 4 = _____	8 x 4 = _____
4 x 9 = _____	10 x 4 = _____
8 x 4 = _____	11 x 4 = _____
7 x 4 = _____	9 x 4 = _____
8 x 4 = _____	4 x 7 = _____
4 x 7 = _____	6 x 4 = _____

**EXTRA CHALLENGE!**

If you counted the carrots on each of the cube's six faces, how many carrots would you count in all? \_\_\_\_\_

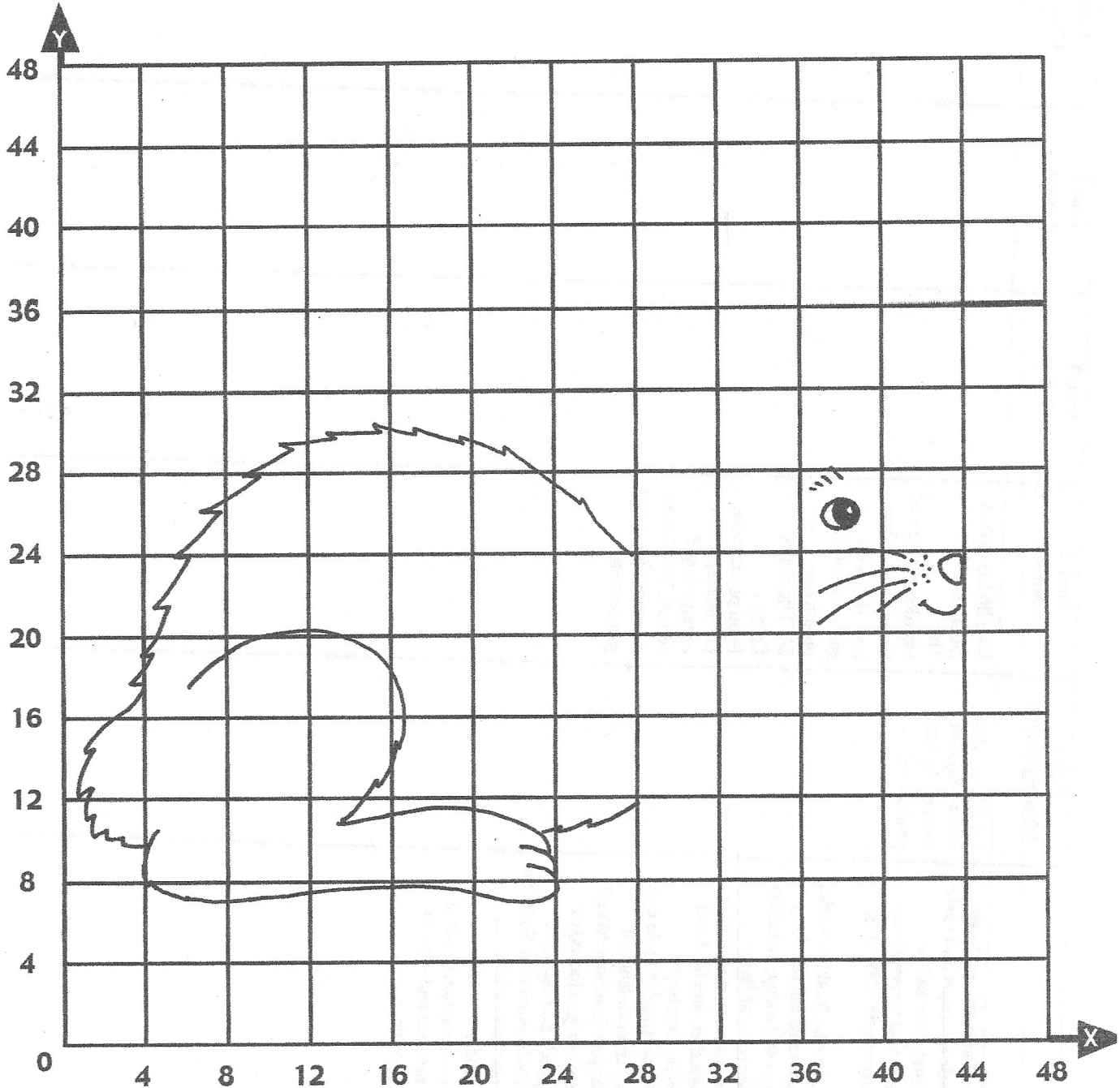


Name \_\_\_\_\_

# PET STORE

What kind of animal did the bald man buy at the pet store? \_\_\_\_\_

To find out the answer, solve the problems on page 10. Then plot the number pairs and connect the points. The picture you make will help you solve the riddle. (The answer is upside down at the bottom of this page.)



Answer: A rabbit. He wanted some hair (hare).



Name \_\_\_\_\_

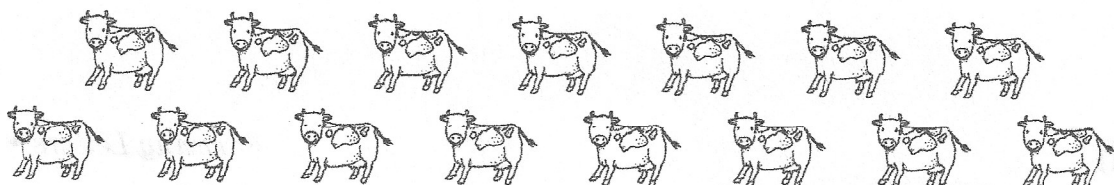
## FLYING BUTTER

1. Solve each division problem. Example problems have been done for you.
2. In the example problems, the numbers **3** and **1** are called a number pair. We write (3,1).
3. Look at the graph on page 35. Graph the number pair in the example. Start at 0. Go across to the number **3** and up to the number **1**. Plot the point.
4. Plot the point for each number pair, in order. Then use a straightedge to connect the points in the order you plotted them. Can you solve the riddle?

$X \rightarrow$	$Y \uparrow$
$9 \div 3 = 3$	$3 \div 3 = 1$ (Example)
$12 \div 3 = \underline{\quad}$	$3 \div 3 = \underline{\quad}$
$18 \div 3 = \underline{\quad}$	$9 \div 3 = \underline{\quad}$
$24 \div 3 = \underline{\quad}$	$3 \div 3 = \underline{\quad}$
$27 \div 3 = \underline{\quad}$	$3 \div 3 = \underline{\quad}$
$30 \div 3 = \underline{\quad}$	$9 \div 3 = \underline{\quad}$
$30 \div 3 = \underline{\quad}$	$12 \div 3 = \underline{\quad}$
$27 \div 3 = \underline{\quad}$	$15 \div 3 = \underline{\quad}$
$30 \div 3 = \underline{\quad}$	$18 \div 3 = \underline{\quad}$
$33 \div 3 = \underline{\quad}$	$27 \div 3 = \underline{\quad}$
$33 \div 3 = \underline{\quad}$	$33 \div 3 = \underline{\quad}$
$18 \div 3 = \underline{\quad}$	$21 \div 3 = \underline{\quad}$
$3 \div 3 = \underline{\quad}$	$33 \div 3 = \underline{\quad}$
$3 \div 3 = \underline{\quad}$	$27 \div 3 = \underline{\quad}$
$6 \div 3 = \underline{\quad}$	$18 \div 3 = \underline{\quad}$

### EXTRA CHALLENGE!

Lasso Larry is rounding up three cows at a time to be branded. Put a ring around each group of three. How many groups of cows will Lasso Larry take in all? \_\_\_\_\_

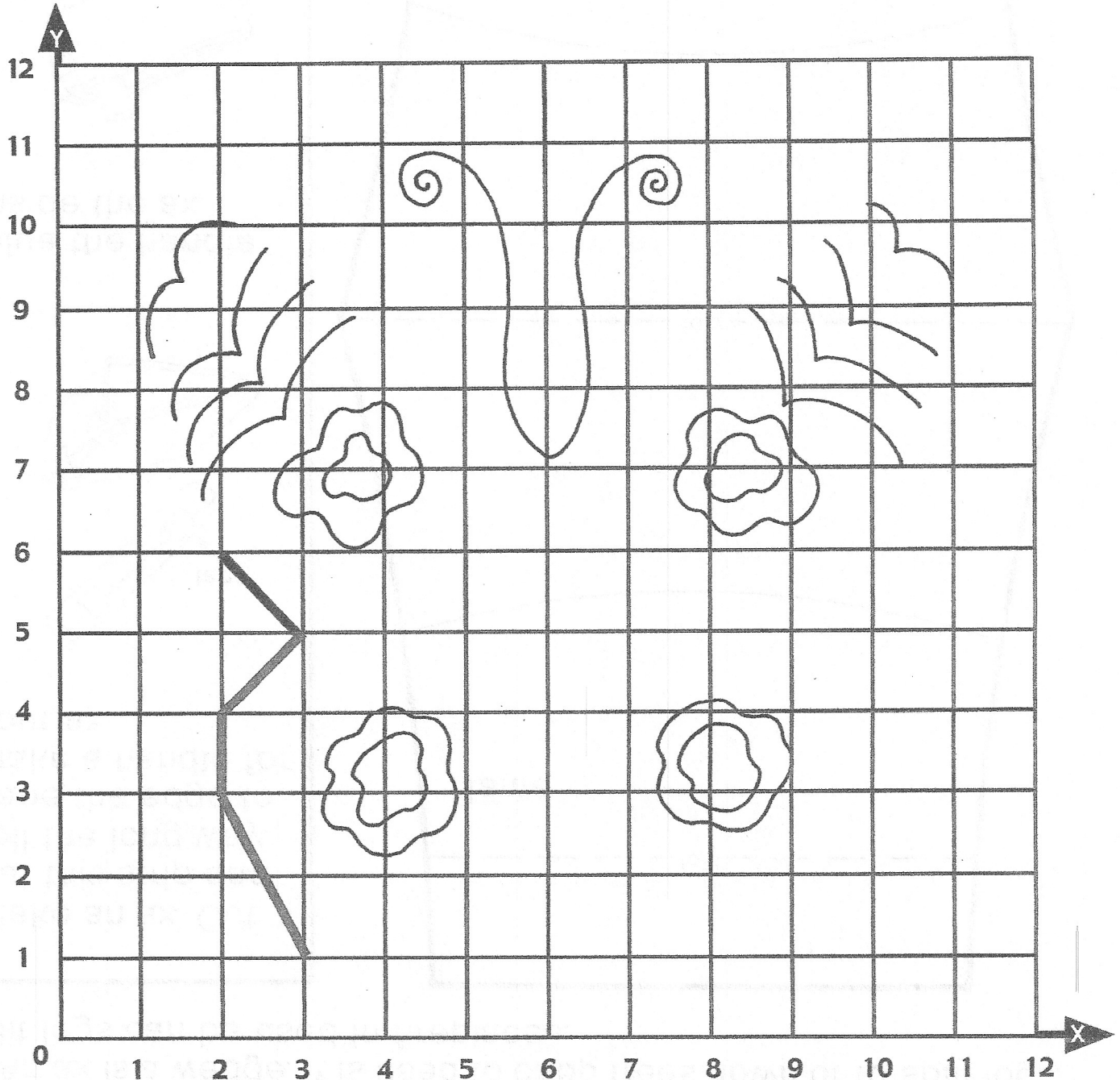


Name \_\_\_\_\_

# FLYING BUTTER

Why did the little boy throw butter out the window? \_\_\_\_\_

To find out the answer, solve the problems on page 36. Then plot the number pairs and connect the points. The picture you make will help you solve the riddle. (The answer is upside down at the bottom of this page.)



Answer: He wanted to see butterfly.

Name \_\_\_\_\_

## BIRD OF PEACE

- Solve each division problem. Example problems have been done for you.
- In the example problems, the numbers **1** and **6** are called a number pair. We write (1, 6).
- Look at the graph on page 39. Graph the number pair in the example. Start at 0. Go across to the number **1** and up to the number **6**. Plot the point.
- Plot the point for each number pair, in order. Then use a straightedge to connect the points in the order you plotted them. Can you solve the riddle?

X →		Y ↑	
$4 \div 4 = 1$	$24 \div 4 = 6$	(Example)	
$8 \div 4 = \underline{\quad}$	$20 \div 4 = \underline{\quad}$		
$8 \div 4 = \underline{\quad}$	$16 \div 4 = \underline{\quad}$		
$16 \div 4 = \underline{\quad}$	$8 \div 4 = \underline{\quad}$		
$24 \div 4 = \underline{\quad}$	$8 \div 4 = \underline{\quad}$		
$28 \div 4 = \underline{\quad}$	$12 \div 4 = \underline{\quad}$		
$32 \div 4 = \underline{\quad}$	$8 \div 4 = \underline{\quad}$		
$44 \div 4 = \underline{\quad}$	$8 \div 4 = \underline{\quad}$		
$44 \div 4 = \underline{\quad}$	$12 \div 4 = \underline{\quad}$		
$32 \div 4 = \underline{\quad}$	$20 \div 4 = \underline{\quad}$		
$40 \div 4 = \underline{\quad}$	$28 \div 4 = \underline{\quad}$		
$44 \div 4 = \underline{\quad}$	$36 \div 4 = \underline{\quad}$		
$44 \div 4 = \underline{\quad}$	$48 \div 4 = \underline{\quad}$		
$36 \div 4 = \underline{\quad}$	$40 \div 4 = \underline{\quad}$		
$36 \div 4 = \underline{\quad}$	$48 \div 4 = \underline{\quad}$		
$16 \div 4 = \underline{\quad}$	$28 \div 4 = \underline{\quad}$		
$16 \div 4 = \underline{\quad}$	$24 \div 4 = \underline{\quad}$		
$12 \div 4 = \underline{\quad}$	$28 \div 4 = \underline{\quad}$		
$8 \div 4 = \underline{\quad}$	$28 \div 4 = \underline{\quad}$		
$4 \div 4 = \underline{\quad}$	$24 \div 4 = \underline{\quad}$		

### EXTRA CHALLENGE!

Mia's phone number is written in secret code. Help her friend Sasha figure out her real phone number by dividing each number by 4.

32 16 36 - 8 12 20 4

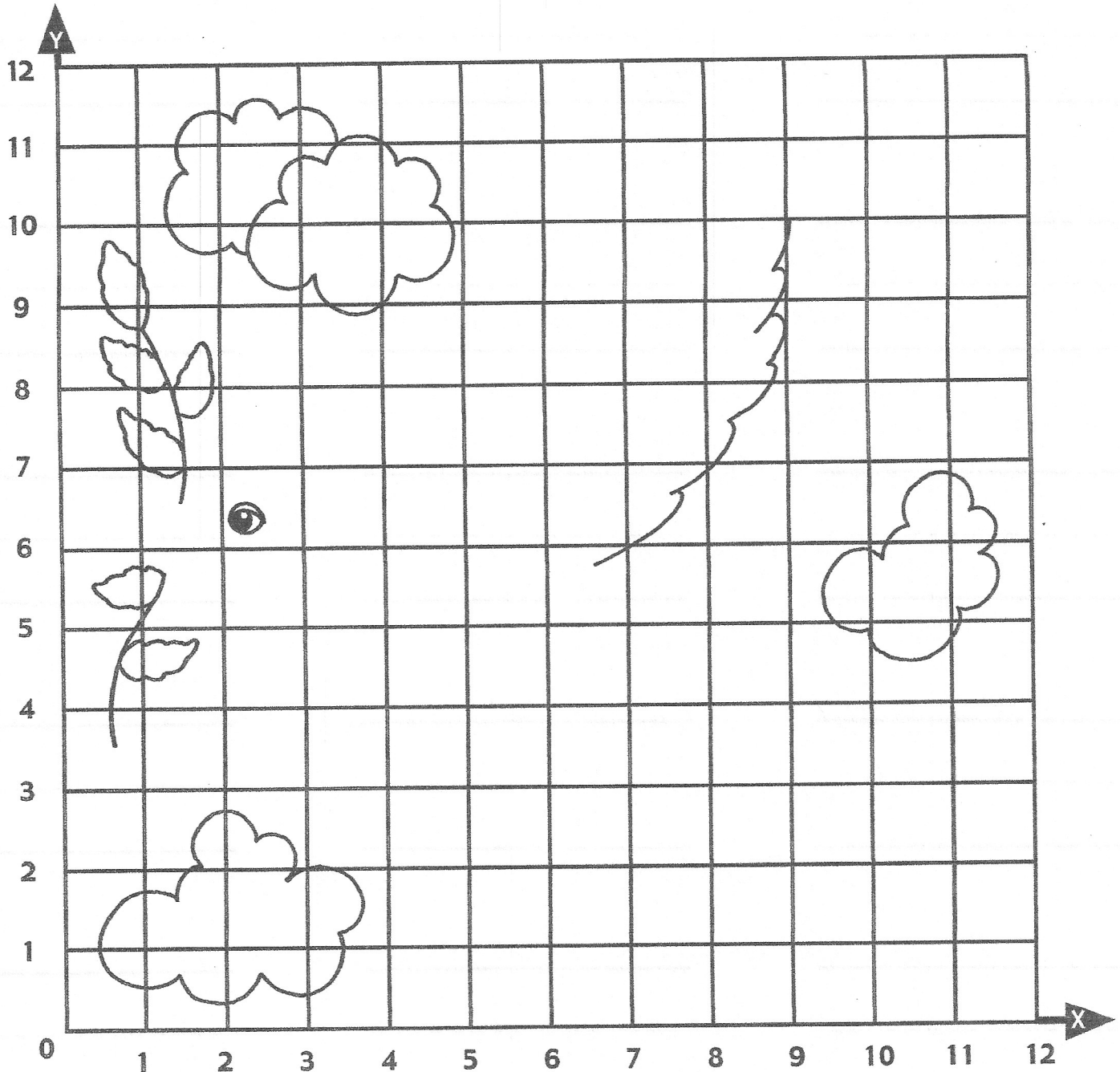
Write your phone number using the secret code. \_\_\_\_\_

Name \_\_\_\_\_

# BIRD OF PEACE

What happened when the bird of peace dropped his olive branch? \_\_\_\_\_

To find out the answer, solve the problems on page 40. Then plot the number pairs and connect the points. The picture you make will help you solve the riddle. (The answer is upside down at the bottom of this page.)



Answer: He dove for it.

Name \_\_\_\_\_

## RING! RING!

- Solve each division problem. Example problems have been done for you.
- In the example problems, the numbers **1** and **4** are called a number pair. We write (1, 4).
- Look at the graph on page 37. Graph the number pairs in the example. Start at 0.  
Go across to the number **1** and up to the number **4**. Plot the point.
- Plot the point for each number pair, in order. Then use a straightedge to connect the points in the order you plotted them. After the word STOP, start a new line. Can you solve the riddle?

$X \rightarrow$	$Y \uparrow$
$4 \div 4 = 1$	$16 \div 4 = 4$ (Example)
$4 \div 4 = \underline{\quad}$	$8 \div 4 = \underline{\quad}$
$44 \div 4 = \underline{\quad}$	$8 \div 4 = \underline{\quad}$
$44 \div 4 = \underline{\quad}$	$16 \div 4 = \underline{\quad}$
$32 \div 4 = \underline{\quad}$	$32 \div 4 = \underline{\quad}$ STOP
$36 \div 4 = \underline{\quad}$	$28 \div 4 = \underline{\quad}$
$44 \div 4 = \underline{\quad}$	$28 \div 4 = \underline{\quad}$
$44 \div 4 = \underline{\quad}$	$32 \div 4 = \underline{\quad}$
$40 \div 4 = \underline{\quad}$	$40 \div 4 = \underline{\quad}$
$8 \div 4 = \underline{\quad}$	$40 \div 4 = \underline{\quad}$
$4 \div 4 = \underline{\quad}$	$32 \div 4 = \underline{\quad}$
$4 \div 4 = \underline{\quad}$	$28 \div 4 = \underline{\quad}$
$12 \div 4 = \underline{\quad}$	$28 \div 4 = \underline{\quad}$ STOP
$16 \div 4 = \underline{\quad}$	$32 \div 4 = \underline{\quad}$
$4 \div 4 = \underline{\quad}$	$16 \div 4 = \underline{\quad}$

### EXTRA CHALLENGE!

Tom's mom is a math professor, and she is always trying to get Tom to think about math. She covered the numbers on the telephone with stickers and changed the numbers to multiples of four. For example, she changed the 1 to a 4, because  $1 \times 4 = 4$ . She changed the 2 to an 8, because  $2 \times 4 = 8$  and so on. When Tom called his best friend he dialed: **8 36 28-12 8 24 0**

What is Tom's friend's real phone number? \_\_\_\_\_

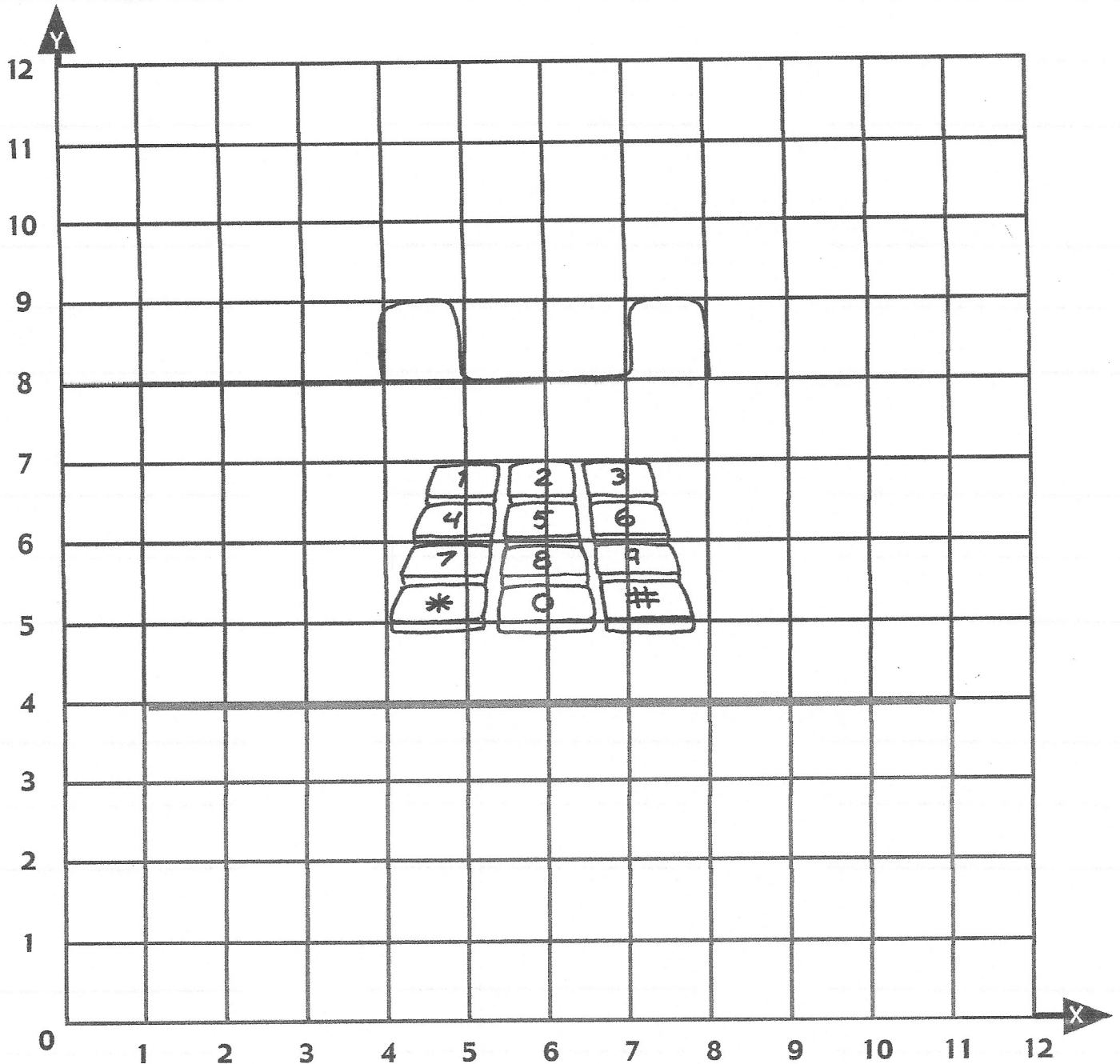


Name \_\_\_\_\_

# RING! RING!

I demand that you answer me fast, but I never ask questions. What am I? \_\_\_\_\_

To find out the answer, solve the problems on page 38. Then plot the number pairs and connect the points. The picture you make will help you solve the riddle. (The answer is upside down at the bottom of this page.)



Answer: a telephone

Name \_\_\_\_\_

# TOUCHDOWN

1. Solve each division problem. Example problems have been done for you.
2. In the example problems, the numbers **6** and **2** are called a number pair. We write (6, 2).
3. Look at the graph on page 33. Graph the number pair in the example. Start at 0. Go across to the number **6** and up to the number **2**. Plot the point.
4. Plot the point for each number pair, in order. Then use a straightedge to connect the points in the order you plotted them. Can you solve the riddle?

X →		Y ↑	
12 ÷ 2 = 6	4 ÷ 2 = 2	(Example)	
16 ÷ 2 = _____	2 ÷ 2 = _____		
16 ÷ 2 = _____	4 ÷ 2 = _____		
14 ÷ 2 = _____	6 ÷ 2 = _____		
14 ÷ 2 = _____	10 ÷ 2 = _____		
22 ÷ 2 = _____	8 ÷ 2 = _____		
14 ÷ 2 = _____	16 ÷ 2 = _____		
14 ÷ 2 = _____	18 ÷ 2 = _____		
14 ÷ 2 = _____	20 ÷ 2 = _____		
12 ÷ 2 = _____	22 ÷ 2 = _____		
10 ÷ 2 = _____	20 ÷ 2 = _____		
10 ÷ 2 = _____	18 ÷ 2 = _____		
10 ÷ 2 = _____	16 ÷ 2 = _____		
2 ÷ 2 = _____	8 ÷ 2 = _____		
10 ÷ 2 = _____	10 ÷ 2 = _____		

## EXTRA CHALLENGE!

There are five boxes of cereal on the shelf in the store. One of the boxes has a coupon in it for a free vacation. The clues (right) tell about the number code on the winning box. Can you choose the winning cereal box?

126	145	168	148	100
-----	-----	-----	-----	-----

The winning cereal box is \_\_\_\_\_

- ◆ I have three digits.
- ◆ My first digit is 1.
- ◆ When you divide my second digit by 2, you get the answer 2.
- ◆ When you divide my third digit by 4, you get the answer 2.

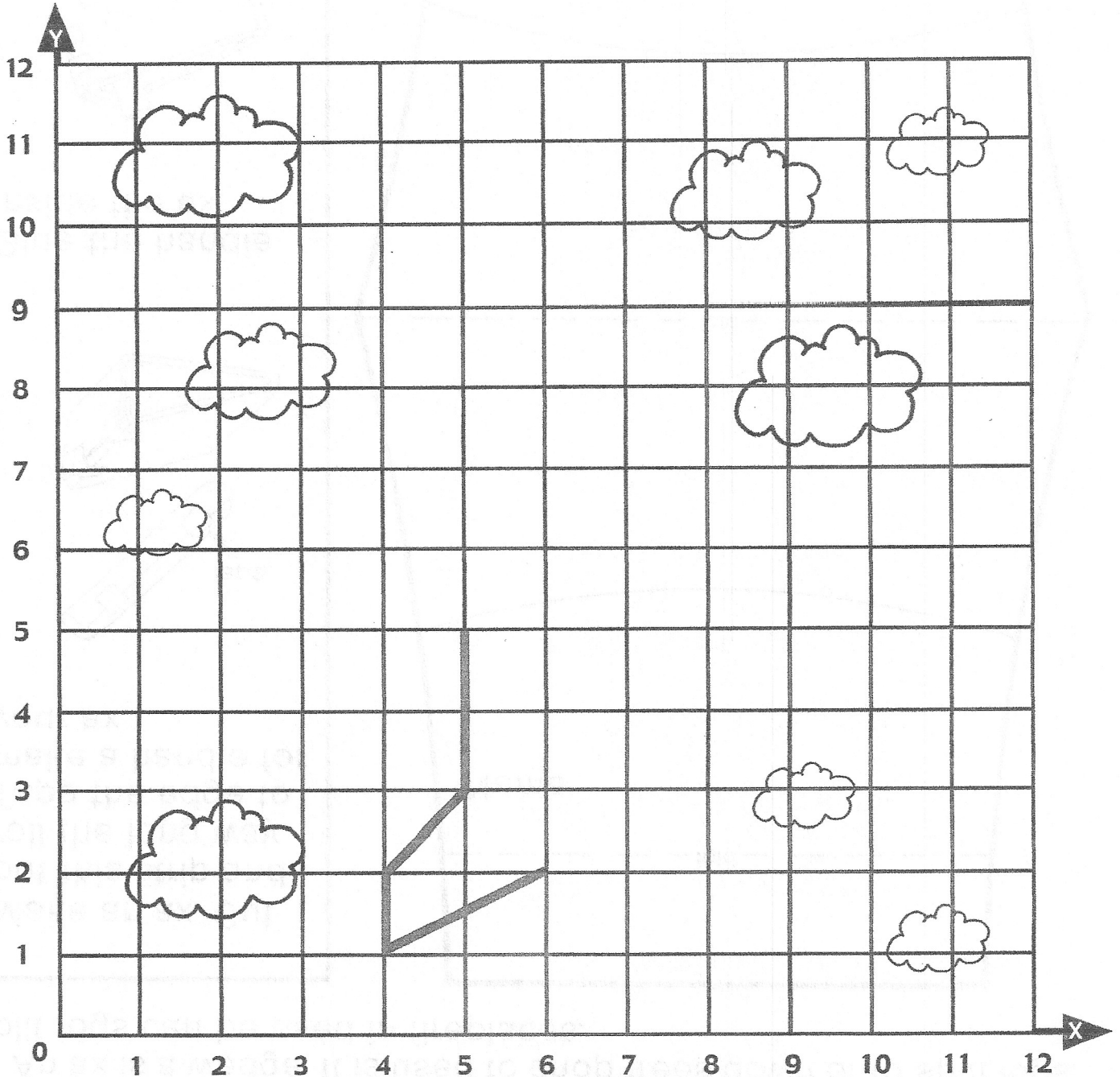
Name \_\_\_\_\_



# TOUCHDOWN

I like to make touchdowns, but I never wear shoulder pads. What am I? \_\_\_\_\_

To find out the answer, solve the problems on page 34. Then plot the number pairs and connect the points. The picture you make will help you solve the riddle. (The answer is upside down at the bottom of this page.)



Answer: *an airplane*

Name \_\_\_\_\_

## KING JOHN

1. Solve each division problem. Example problems have been done for you.
2. In the example problems, the numbers **6** and **1** are called a number pair. We write (6,1).
3. Look at the graph on page 41. Graph the number pair in the example. Start at 0. Go across to the number **6** and up to the number **1**. Plot the point.
4. Plot the point for each number pair, in order. Then use a straightedge to connect the points in the order you plotted them. Can you solve the riddle?

X →	Y ↑
<b>30 ÷ 5 = 6</b>	<b>5 ÷ 5 = 1 (Example)</b>
30 ÷ 5 = _____	30 ÷ 5 = _____
35 ÷ 5 = _____	35 ÷ 5 = _____
40 ÷ 5 = _____	30 ÷ 5 = _____
45 ÷ 5 = _____	35 ÷ 5 = _____
50 ÷ 5 = _____	30 ÷ 5 = _____
55 ÷ 5 = _____	35 ÷ 5 = _____
30 ÷ 5 = _____	55 ÷ 5 = _____
5 ÷ 5 = _____	35 ÷ 5 = _____
10 ÷ 5 = _____	30 ÷ 5 = _____
15 ÷ 5 = _____	35 ÷ 5 = _____
20 ÷ 5 = _____	30 ÷ 5 = _____
25 ÷ 5 = _____	35 ÷ 5 = _____
30 ÷ 5 = _____	30 ÷ 5 = _____

### EXTRA CHALLENGE!

Lady Rebecca's diamonds were stolen. Beside her empty jewelry box was this note!

What is full of spades that never shovel?	What is full of hearts that never love?
What is full of clubs that never hit a ball?	What is full of diamonds that are never worn?

Solve the riddle by replacing the answers to the problems with the alphabet code.

**A=5   B=10   C=15   D=20   O=25   R=30   X=35**

5 x 3 = \_\_\_\_\_   5 x 1 = \_\_\_\_\_   5 x 6 = \_\_\_\_\_   5 x 4 = \_\_\_\_\_   5 x 2 = \_\_\_\_\_   5 x 5 = \_\_\_\_\_   5 x 7 = \_\_\_\_\_

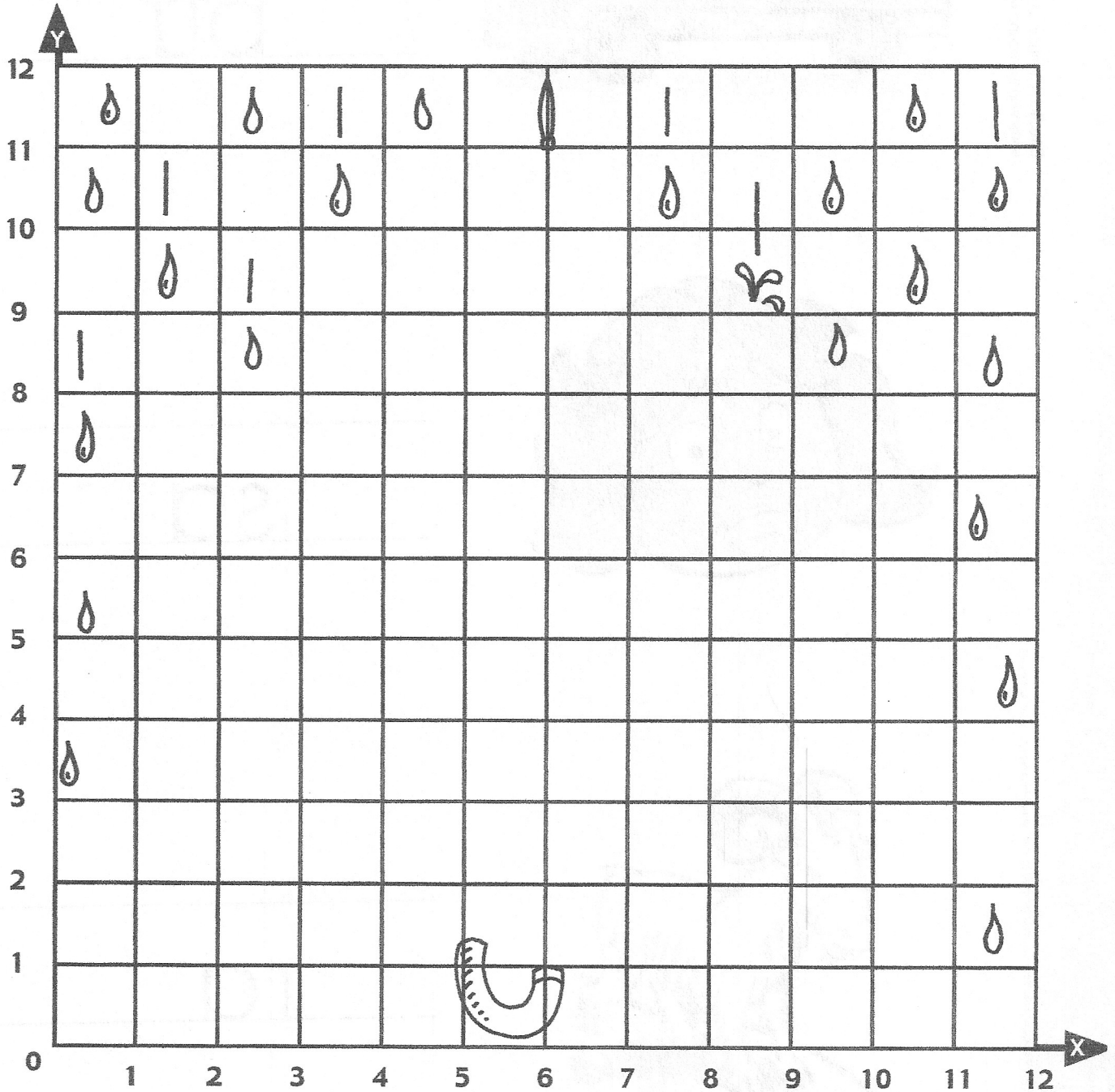
Lady Rebecca's diamonds are hidden in a \_\_\_\_\_.

Name \_\_\_\_\_

# KING JOHN

How did people know that King John would never give up his reign? \_\_\_\_\_

To find out the answer, solve the problems on page 42. Then plot the number pairs and connect the points. The picture you make will help you solve the riddle. (The answer is upside down at the bottom of this page.)



Answer: *He always carried an umbrella.*



Name \_\_\_\_\_

## HELPING HANDS

- Solve each division problem. Example problems have been done for you.
- In the example problems, the numbers **7** and **7** are called a number pair. We write (7, 7).
- Look at the graph on page 43. Graph the number pair in the example. Start at 0. Go across to the number **7** and up to the number **7**. Plot the point.
- Plot the point for each number pair, in order. Then use a straightedge to connect the points in the order you plotted them. Can you solve the riddle?

$x \rightarrow$	$y \uparrow$
$35 \div 5 = 7$	$35 \div 5 = 7$ (Example)
$40 \div 5 = \underline{\hspace{2cm}}$	$45 \div 5 = \underline{\hspace{2cm}}$
$40 \div 5 = \underline{\hspace{2cm}}$	$55 \div 5 = \underline{\hspace{2cm}}$
$35 \div 5 = \underline{\hspace{2cm}}$	$60 \div 5 = \underline{\hspace{2cm}}$
$25 \div 5 = \underline{\hspace{2cm}}$	$60 \div 5 = \underline{\hspace{2cm}}$
$20 \div 5 = \underline{\hspace{2cm}}$	$55 \div 5 = \underline{\hspace{2cm}}$
$20 \div 5 = \underline{\hspace{2cm}}$	$45 \div 5 = \underline{\hspace{2cm}}$
$25 \div 5 = \underline{\hspace{2cm}}$	$35 \div 5 = \underline{\hspace{2cm}}$
$0 \div 5 = \underline{\hspace{2cm}}$	$10 \div 5 = \underline{\hspace{2cm}}$
$25 \div 5 = \underline{\hspace{2cm}}$	$30 \div 5 = \underline{\hspace{2cm}}$
$15 \div 5 = \underline{\hspace{2cm}}$	$0 \div 5 = \underline{\hspace{2cm}}$
$30 \div 5 = \underline{\hspace{2cm}}$	$30 \div 5 = \underline{\hspace{2cm}}$
$50 \div 5 = \underline{\hspace{2cm}}$	$0 \div 5 = \underline{\hspace{2cm}}$
$35 \div 5 = \underline{\hspace{2cm}}$	$30 \div 5 = \underline{\hspace{2cm}}$
$40 \div 5 = \underline{\hspace{2cm}}$	$25 \div 5 = \underline{\hspace{2cm}}$
$60 \div 5 = \underline{\hspace{2cm}}$	$20 \div 5 = \underline{\hspace{2cm}}$
$40 \div 5 = \underline{\hspace{2cm}}$	$30 \div 5 = \underline{\hspace{2cm}}$
$35 \div 5 = \underline{\hspace{2cm}}$	$35 \div 5 = \underline{\hspace{2cm}}$

### EXTRA CHALLENGE!

Oscar the Octopus lost the combination for his treasure chest. All that he has is this note to remind him of the three numbers. Can you figure them out?

Write the three-number combination below:

\_\_\_\_\_

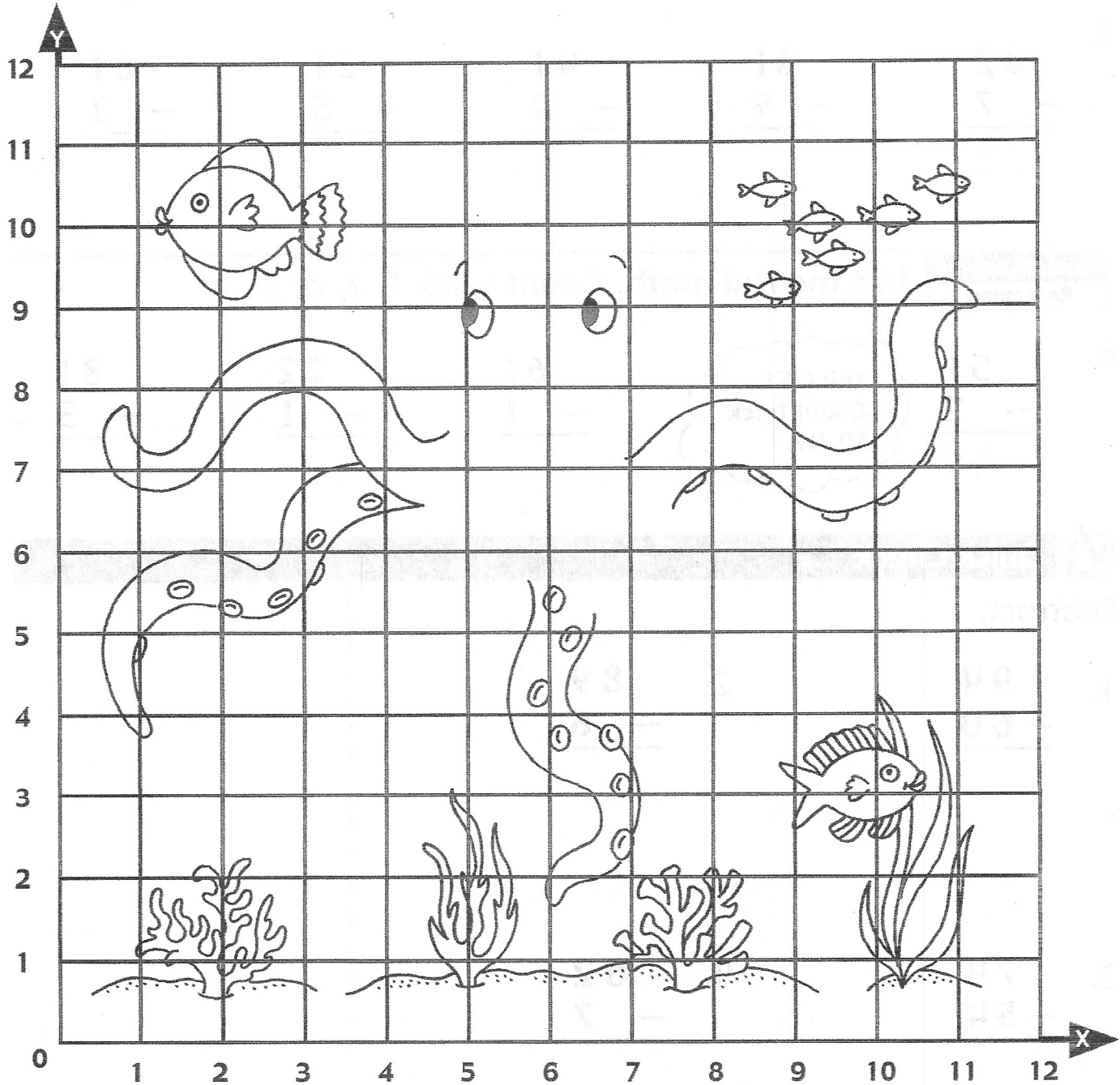
- ◆ All three numbers are different and even.
- ◆ The numbers are between 1 and 7.
- ◆ The first number is the largest and the last number is the smallest.

Name \_\_\_\_\_

# HELPING HANDS

What kind of sea creature would be a big help in the army? \_\_\_\_\_

To find out the answer, solve the problems on page 44. Then plot the number pairs and connect the points. The picture you make will help you solve the riddle. (The answer is upside down at the bottom of this page.)



Answer: an octopus

## Reducing Fractions

Rename each fraction to its lowest term.



The lowest term is the lowest possible denominator for a fraction. To find the lowest term, find a number that you can divide evenly into both the numerator and the denominator.

For  $\frac{3}{6}$ , 3 can be divided evenly in both 3 and 6, so  $\frac{1}{2}$  is the lowest term for  $\frac{3}{6}$ .

$$\frac{3 \div (3)}{6 \div (3)} = \frac{1}{2}$$

Here's another place where knowing your basic facts really helps!

1.  $\frac{4}{8} \div \frac{4}{4} = \underline{\quad}$

$\frac{4}{12} \div \frac{4}{4} = \underline{\quad}$

$\frac{5}{15} \div \frac{5}{5} = \underline{\quad}$

2.  $\frac{4}{6} \div \frac{2}{2} = \underline{\quad}$

$\frac{2}{12} \div \frac{2}{2} = \underline{\quad}$

$\frac{3}{9} \div \frac{3}{3} = \underline{\quad}$

3.  $\frac{3}{12} \div \underline{\quad} = \underline{\quad}$

$\frac{4}{16} \div \underline{\quad} = \underline{\quad}$

$\frac{3}{15} \div \underline{\quad} = \underline{\quad}$

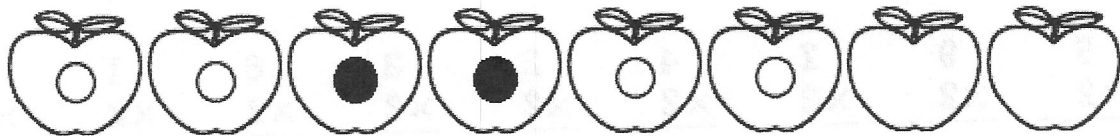
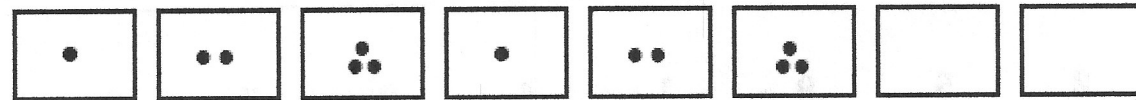
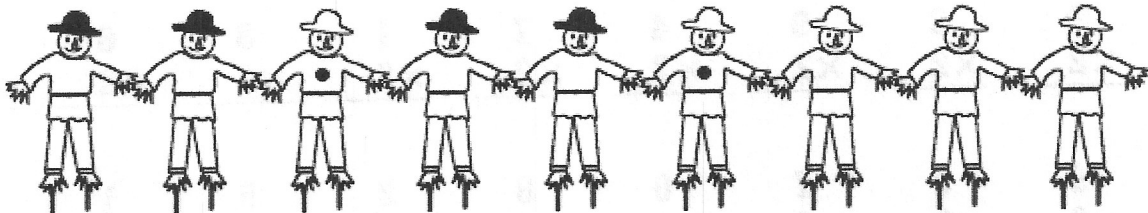
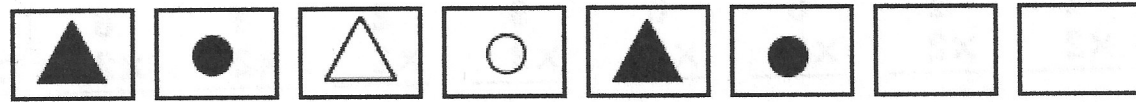
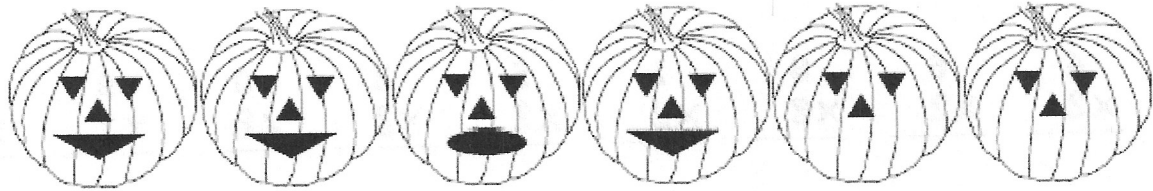
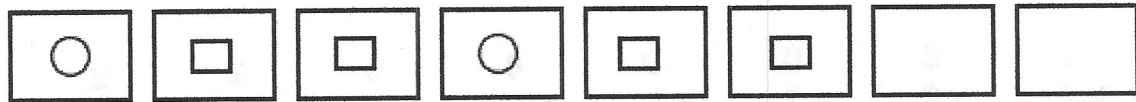
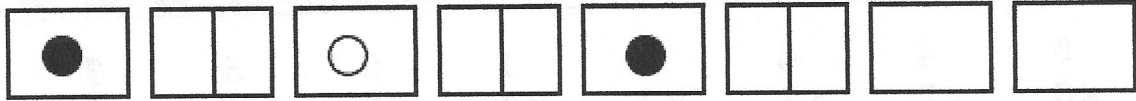
4.  $\frac{9}{63} \div \underline{\quad} = \underline{\quad}$

$\frac{4}{20} \div \underline{\quad} = \underline{\quad}$

$\frac{8}{24} \div \underline{\quad} = \underline{\quad}$

### Fall Patterns: What comes next?

Name \_\_\_\_\_

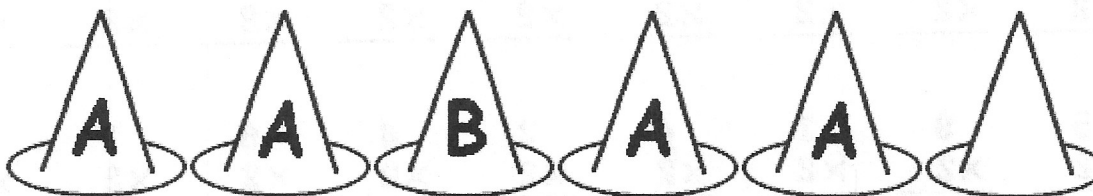
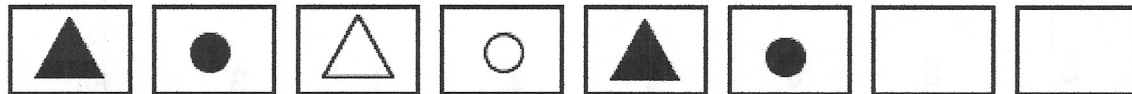
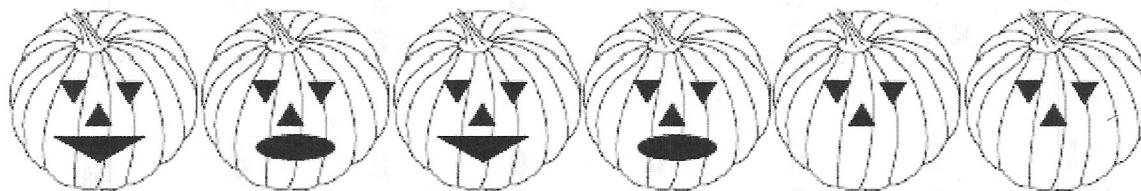
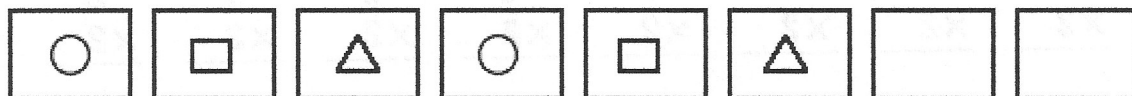
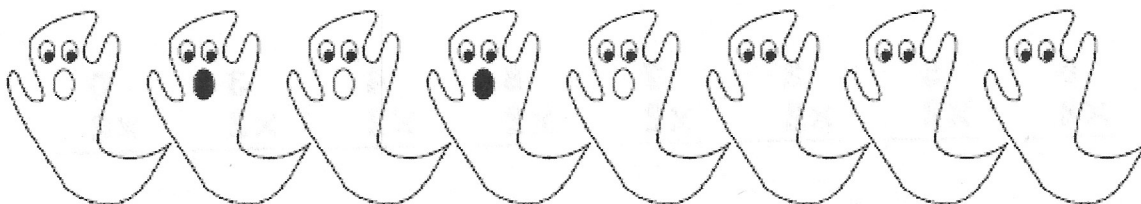
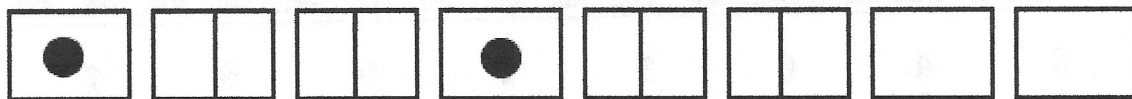


©EnchantedLearning.com

**Patterns:**

**What comes next?**

Name \_\_\_\_\_

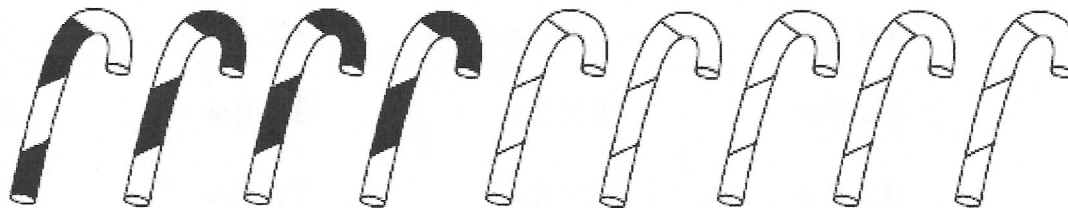
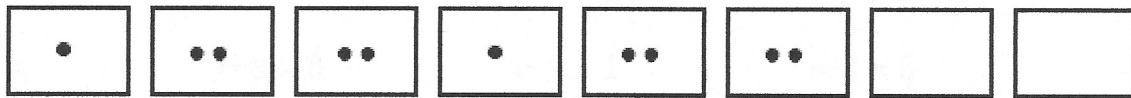
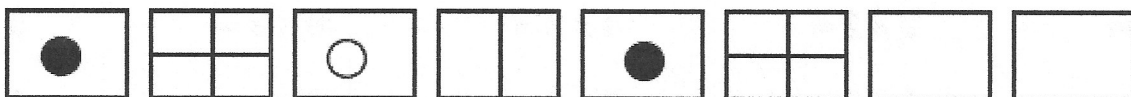
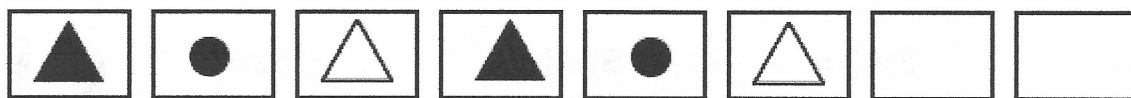
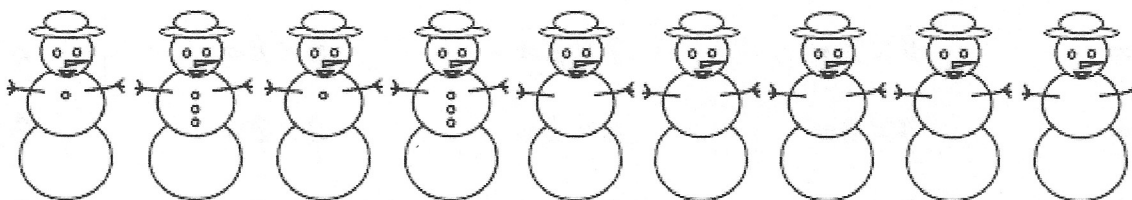
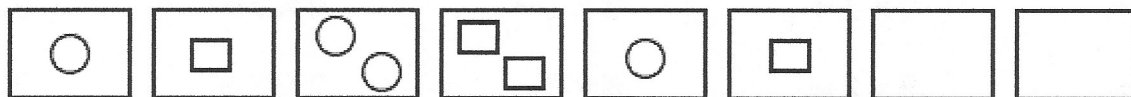
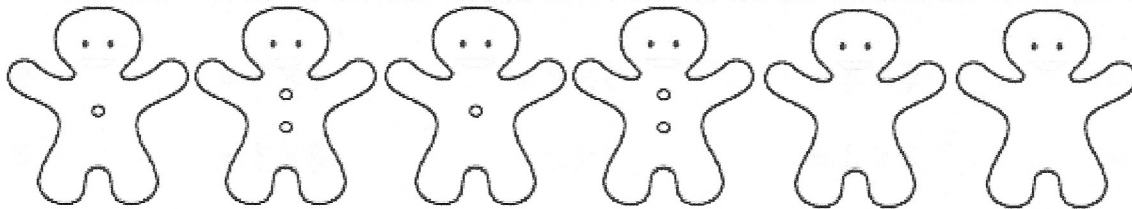
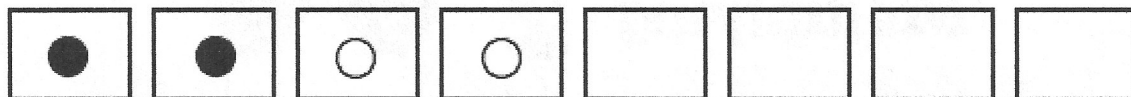


©EnchantedLearning.com



### Winter Patterns: What comes next?

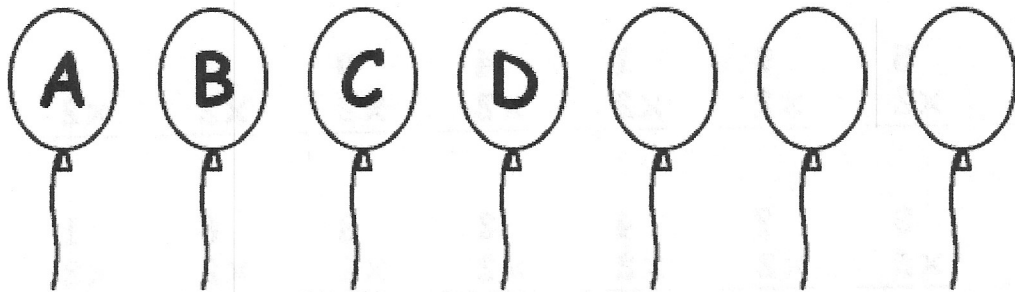
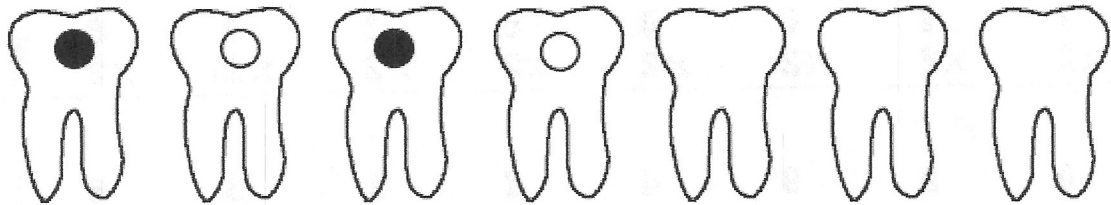
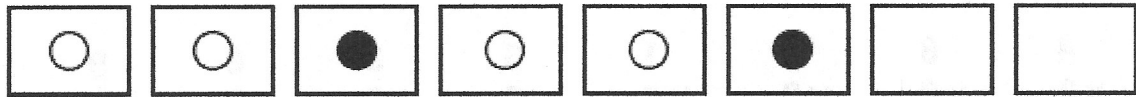
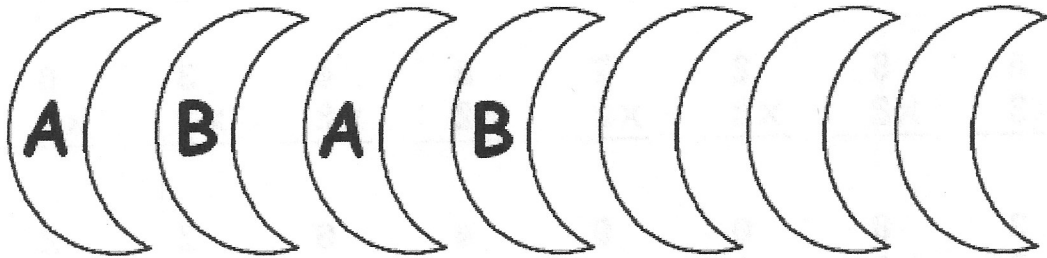
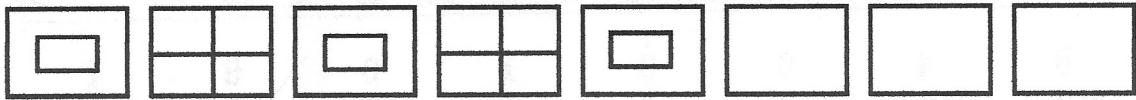
Name \_\_\_\_\_



©EnchantedLearning.com

**Patterns:**  
**What comes next?**

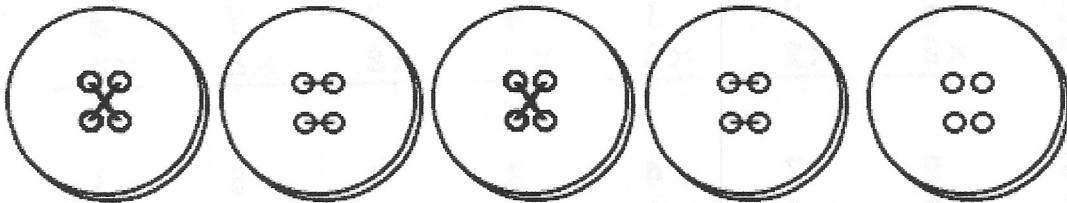
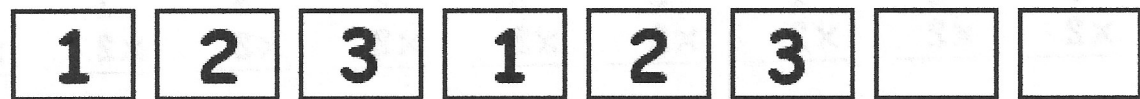
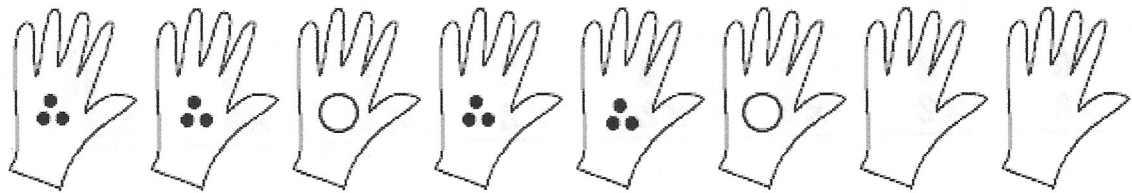
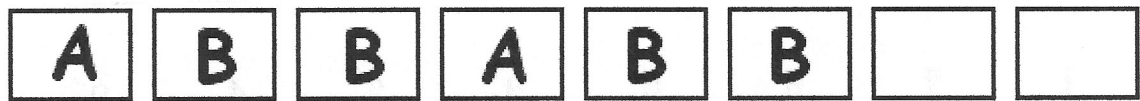
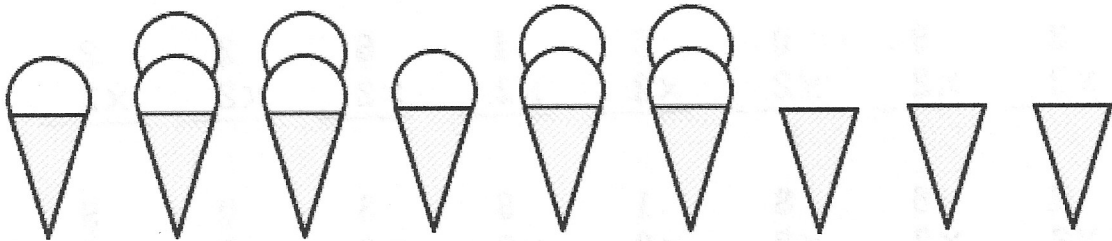
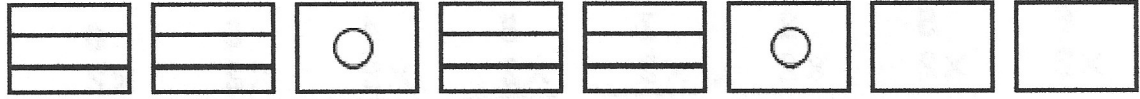
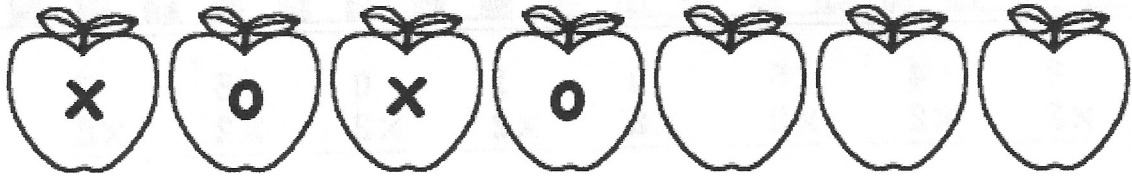
Name \_\_\_\_\_



©EnchantedLearning.com

**Patterns:**  
**What comes next?**

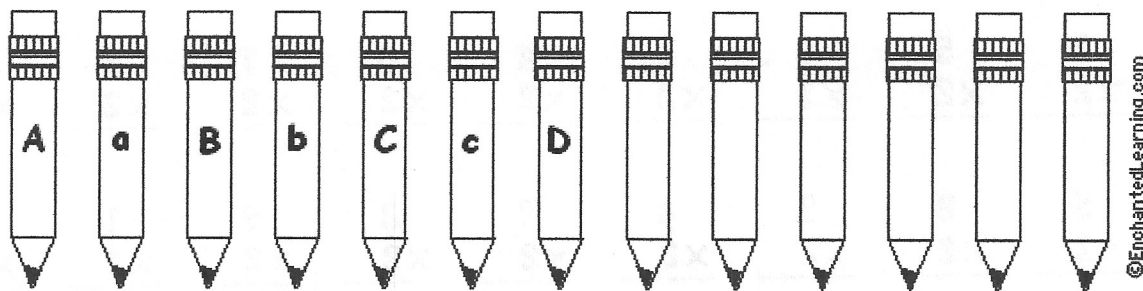
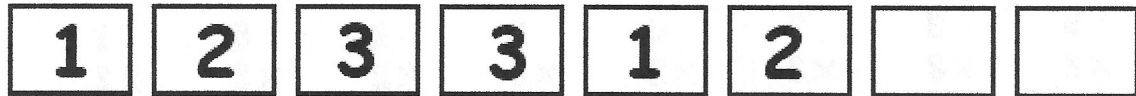
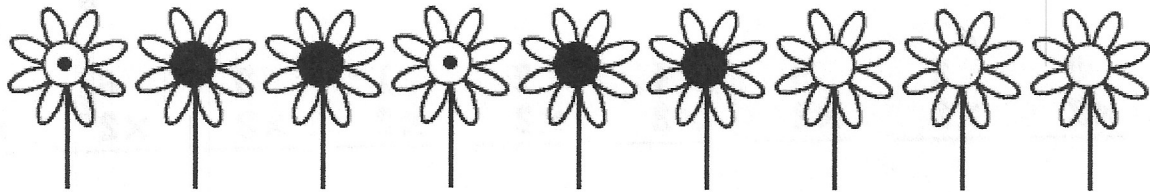
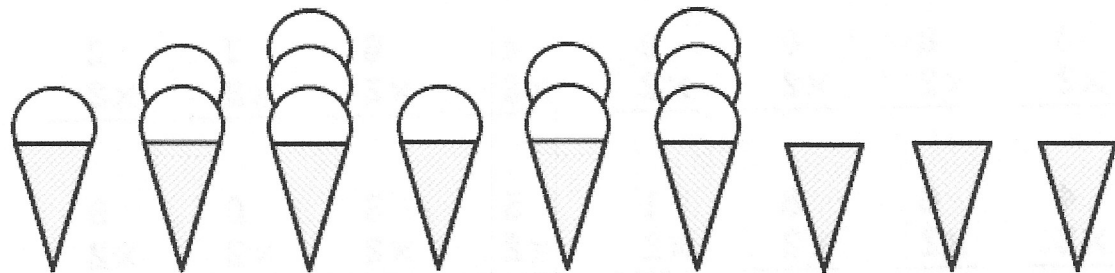
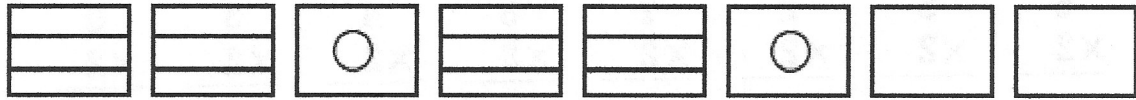
Name \_\_\_\_\_



©EnchantedLearning.com

**Patterns:**  
**What comes next?**

Name \_\_\_\_\_



©EnchantedLearning.com

# Solve and Draw

Critical thinking

Name \_\_\_\_\_

Solve the riddles.

Draw the coins.

A. There are 4 coins. They are worth 16¢. What are the coins?

B. There are 3 coins. They are worth 21¢. What are the coins?

C. There are 5 coins. They are worth 47¢. What are the coins?

D. There are 7 coins. They are worth 79¢. There are no dimes. What are the coins?

E. There are 6 coins. They are worth 40¢. What are the coins?

F. There are 5 coins. They are worth 95¢. What are the coins?


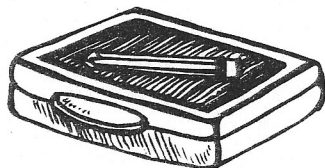
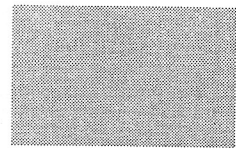



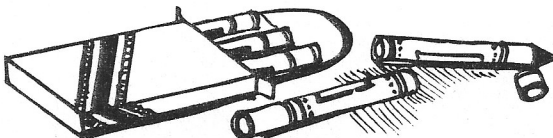
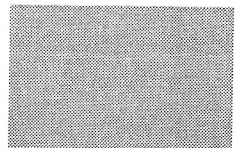
# School Store

Counting on from quarters


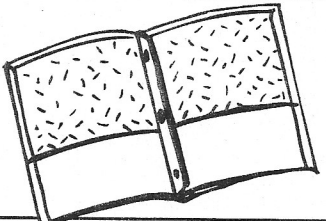
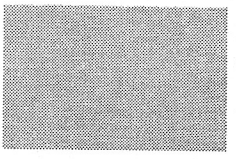
Name \_\_\_\_\_


Cut out the prices tags. Count the money. Paste the price tags beside the items to show what they cost.

A.   

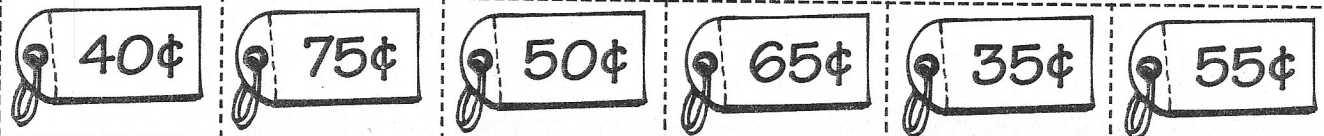
B.   

C.   

D.   

E.   

F.   


40¢ 75¢ 50¢ 65¢ 35¢ 55¢

# Sunny Money

Counting coin collections

Name \_\_\_\_\_

Circle the correct amount.

A.



77¢ 86¢ 95¢

B.



70¢ 80¢ 90¢

C.

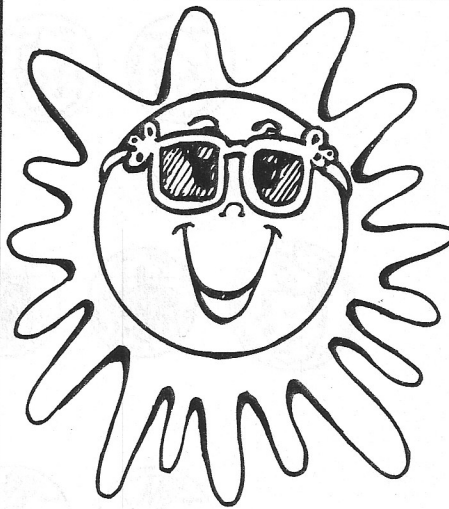


63¢ 73¢ 83¢

D.



77¢ 88¢ 99¢



E.



56¢ 68¢ 77¢

F.



82¢ 87¢ 92¢

G.



78¢ 88¢ 98¢

H.


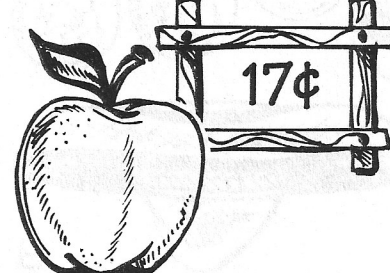

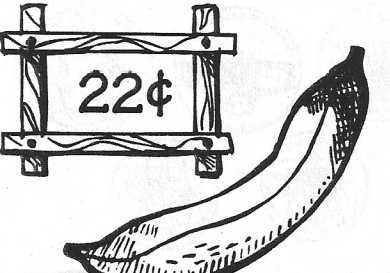

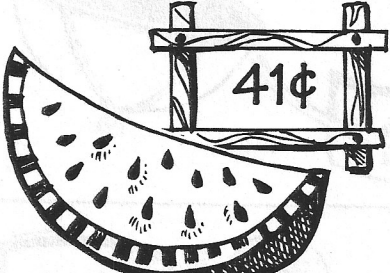

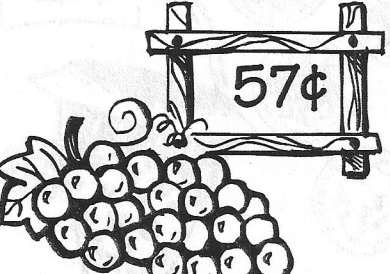

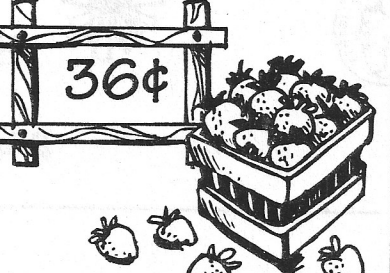


85¢ 90¢ 95¢

# What's Left?

Problem solving


Name \_\_\_\_\_


You have	You buy	What's left?
<p>A.</p>  <input data-bbox="633 546 779 661" type="text"/>		<input data-bbox="1218 546 1461 661" type="text"/>
<p>B.</p>  <input data-bbox="633 861 779 976" type="text"/>		<input data-bbox="1218 861 1461 976" type="text"/>
<p>C.</p>  <input data-bbox="633 1176 779 1291" type="text"/>		<input data-bbox="1218 1176 1461 1291" type="text"/>
<p>D.</p>  <input data-bbox="633 1491 779 1606" type="text"/>		<input data-bbox="1218 1491 1461 1606" type="text"/>
<p>E.</p>  <input data-bbox="633 1806 779 1921" type="text"/>		<input data-bbox="1218 1806 1461 1921" type="text"/>




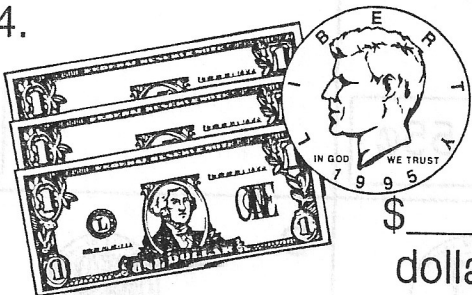
# Dollars Everywhere

Count the money.

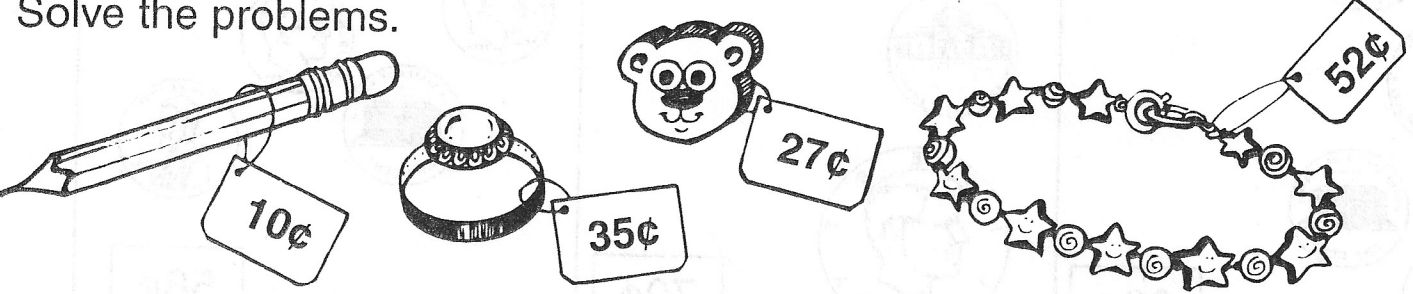
1.  \$ \_\_\_\_\_  
dollars cents

2.  \$ \_\_\_\_\_  
dollars cents

3.  \$ \_\_\_\_\_  
dollars cents

4.  \$ \_\_\_\_\_  
dollars cents

Solve the problems.



5. Danielle bought one pencil and a bear eraser. How much did she spend?  
\_\_\_\_\_¢

6. Cindy bought a necklace. Mary bought a ring.  
\_\_\_\_\_ spent less.  
She spent \_\_\_\_\_¢ less.

7. Jeffrey bought 2 erasers. He spent \_\_\_\_\_¢. He gave the cashier 75¢. How much change did he get?  
\_\_\_\_\_¢

8. Jim bought 2 pencils and an eraser. He spent \_\_\_\_\_¢. He gave the cashier a half-dollar. He got \_\_\_\_\_¢ in change.