

# Enrichment Packet #14







Due: Monday










NAME: \_\_\_\_\_











# The Mixed Up Patterns








Draw or write what comes next in the patterns below.

**Patterns**

1. 10, , 12,  , 14,   , \_\_\_\_\_, \_\_\_\_\_







2.     
 , 24,  , 12,  , 6, \_\_\_\_\_, \_\_\_\_\_

3. A  B, C   D, E    F, G     H, \_\_\_\_\_

4. 200,    , 150,   , 100, \_\_\_\_\_, \_\_\_\_\_

5. 555, 44P, 666, 33Q, \_\_\_\_\_, \_\_\_\_\_

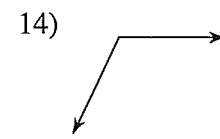
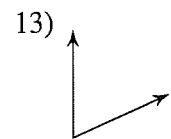
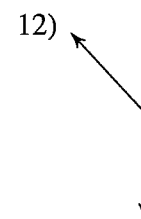
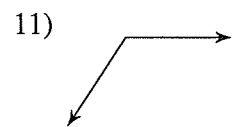
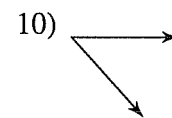
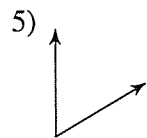
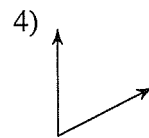
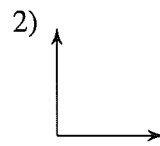
6. XXOX, XOOX, XXOX, \_\_\_\_\_, \_\_\_\_\_

7. , 99,  , 88,   , \_\_\_\_\_, \_\_\_\_\_

8. 13, ↑10, 23, ↑100, 123, \_\_\_\_\_, \_\_\_\_\_

# Classifying Angles

Classify each angle as acute, obtuse, right, or straight.



15)  $16^\circ$

16)  $180^\circ$

17)  $90^\circ$

18)  $97^\circ$

19)  $59^\circ$

20)  $39^\circ$

21)  $119^\circ$

22)  $82^\circ$

23)  $162^\circ$

24)  $52^\circ$

25)  $15^\circ$

26)  $116^\circ$

27)  $96^\circ$

28)  $74^\circ$

Name \_\_\_\_\_

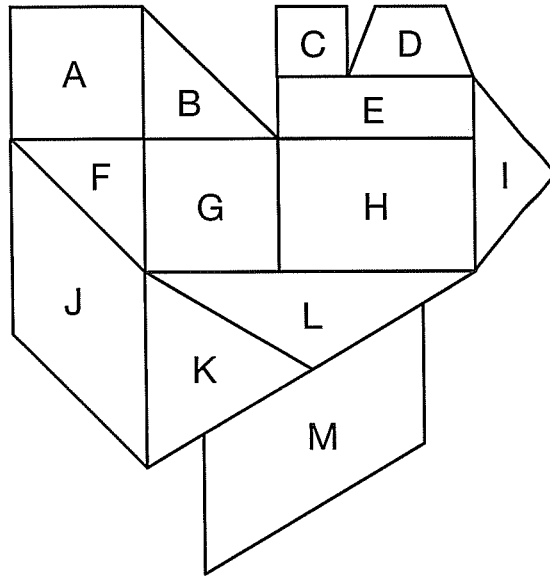
Enrichment

9-6

# Doodles

Darius made this doodle while talking on the phone. Name each shape Darius drew. Be as specific as possible.

## Visual Thinking



A \_\_\_\_\_

B \_\_\_\_\_

C \_\_\_\_\_

D \_\_\_\_\_

E \_\_\_\_\_

F \_\_\_\_\_

G \_\_\_\_\_

H \_\_\_\_\_

I \_\_\_\_\_

J \_\_\_\_\_

K \_\_\_\_\_

L \_\_\_\_\_

M \_\_\_\_\_

Enrichment 9-6

**Division with Remainders**

- a.  $3 \overline{)23}$       b.  $7 \overline{)46}$       c.  $4 \overline{)7}$       d.  $8 \overline{)20}$
- e.  $5 \overline{)21}$       f.  $4 \overline{)23}$       g.  $3 \overline{)17}$       h.  $9 \overline{)48}$
- i.  $6 \overline{)34}$       j.  $6 \overline{)9}$       k.  $5 \overline{)36}$       l.  $8 \overline{)18}$
- m.  $3 \overline{)4}$       n.  $7 \overline{)15}$       o.  $6 \overline{)34}$       p.  $6 \overline{)57}$

q. You have 23 cookies and 9 plates.  
You put the same number of  
cookies on each plate.

How many cookies  
are on each plate? \_\_\_\_\_

How many cookies  
are left over? \_\_\_\_\_

r. There are 46 flowers and 9  
vases. Each vase must have  
the same number of flowers.

How many flowers  
will be in each vase? \_\_\_\_\_

How many flowers  
will be left over? \_\_\_\_\_

Name \_\_\_\_\_

# Make Hundreds

When you add, use mental math. Mental math helps find tens and hundreds.

**Mental Math**

Look at each number in the puzzle board. Find two numbers in the box whose sum equals that number. You can use each number only once. Do not use pencil and paper to do the calculations.

115	79	253	374	305	66	189	172	485
128	326	34	495	85	421	415	147	411

Puzzle Board		
100  ____ + ____	200  ____ + ____	300  ____ + ____
400  ____ + ____	500  ____ + ____	600  ____ + ____
700  ____ + ____	800  ____ + ____	900  ____ + ____

What clues did you use to solve this puzzle?

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