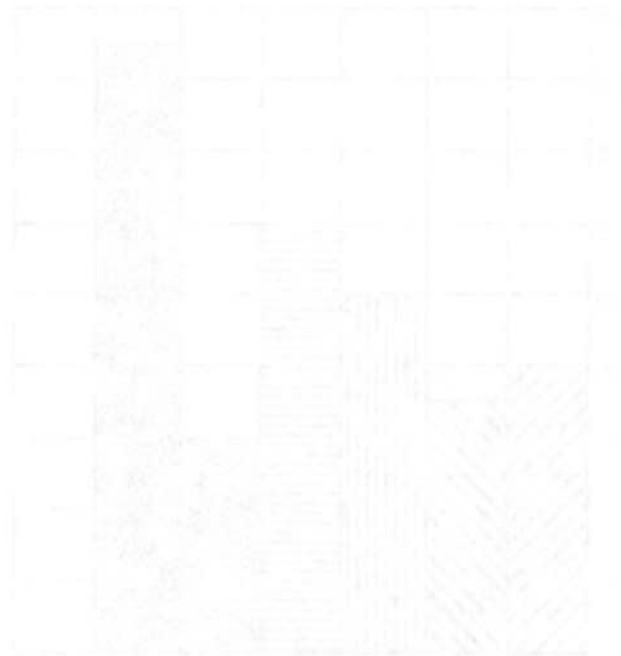


Directions: Read the problem carefully. Write your answer in the box provided.

1. A rectangular garden is 12 feet long and 8 feet wide. A path 2 feet wide is paved around the garden. How many square feet of path are there?



Answer: _____

Time to Sleep

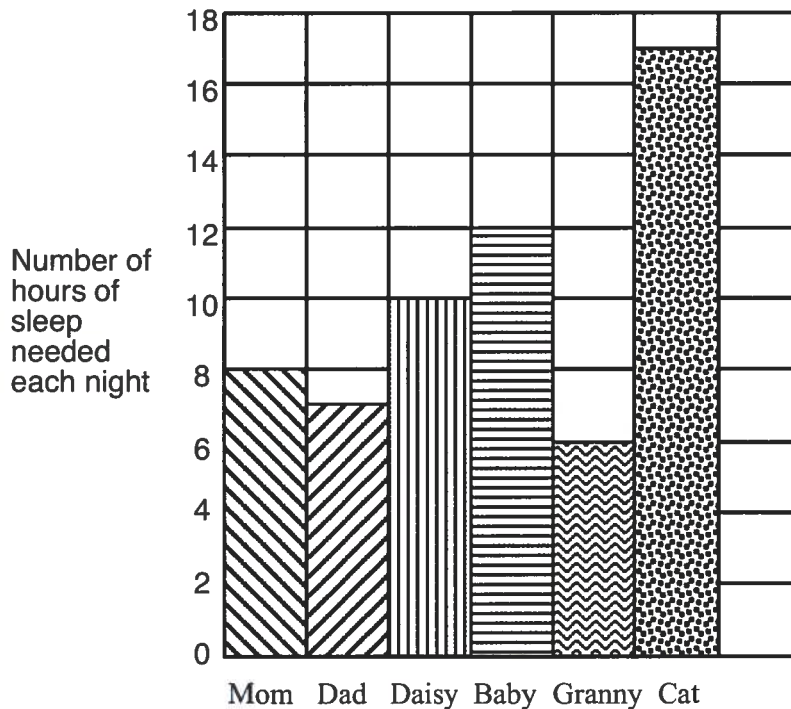
This problem gives you the chance to:

- interpret a graph

Daisy's mom says everyone needs a good night's sleep.

Daisy found out how many hours each member of her family needed to sleep each night.

This bar graph shows what Daisy found out.



1. Who needs the least sleep? _____
2. How much more sleep does the cat need than Daisy? _____ hours
3. How much less sleep does dad need than the baby? _____ hours
4. If Daisy goes to sleep at 9 p.m. what time will she wake up? _____
5. Mom wakes up at 6 a.m. At what time does she need to go to sleep? _____

Explain how you figured this out.

6. How much sleep do you need? _____ hours

Show this in the last column of the graph.

8

Car Parking Spaces

This problem gives you the chance to:

- identify and extend a number pattern

Kurt's job is to paint the lines for parking spaces in a parking lot.



This is how he paints the lines for the first parking space.
He paints 3 lines for the first space.



This is how he paints the lines for two parking spaces.
He paints 5 lines for two spaces.



This is how he paints the lines for three parking spaces.



1. Show how he paints the lines for four parking spaces.

2. Complete the table to show how many lines he paints for 3, 4, and 5 spaces.

Number of spaces	1	2	3	4	5
Number of lines	3	5			

3. Kurt thinks he will need to paint 18 lines for 8 spaces.
Explain how you know he is wrong.

How many lines does he need to paint? _____

4. Kurt paints 31 lines. How many parking spaces are there?
Show how you figured this out.

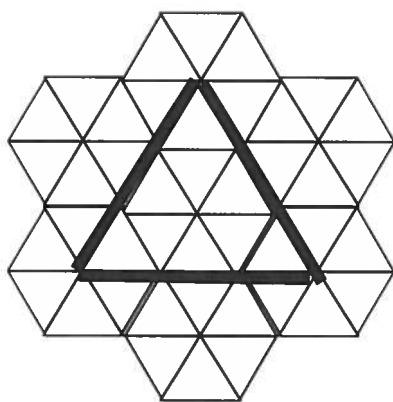
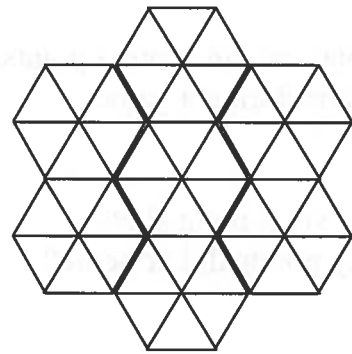
Milly's Patterned Paper

This problem gives you the chance to:

- name and draw 2-D shapes
-

Milly found some patterned paper.

She found she could make shapes using the lines on the paper.



1. The heavy lines show one shape she has drawn.

What is the name of this shape?

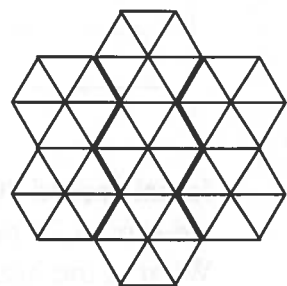
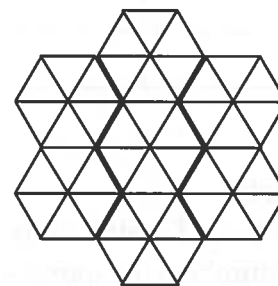
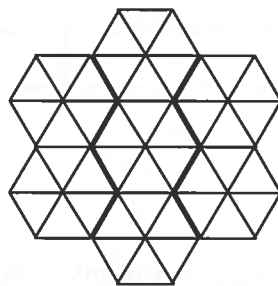
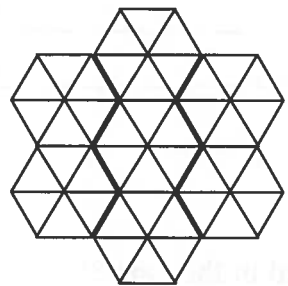
2. Using the lines on this patterned paper make the following shapes.

A regular hexagon

A rhombus

A parallelogram

A trapezoid



3. Explain why Milly can't make a square using the lines on this patterned paper.

Basketball Scores

This problem gives you the chance to:

- Solve number problems
-

Basketball players can score 3 points, 2 points, or 1 point for a shot made during a game.



1. Jobe made six 3-point shots.
How many points did he score? _____

2. Jamar made four 3-point shots and three 2-point shots.
How many points did he score in the game? _____

Show how you figured this out.

3. Jakira scored 13 points.
Find three different ways he could have scored 13 points.

3-point shots	2-point shots	1-point shots

4. Jamal scored 30 points.
He scored 21 points from 3-point shots.
What is the biggest number of 2-point shots he could have scored in the game?

Show your work. _____

Find the Missing Numbers

This problem gives you the chance to:

- use number operations

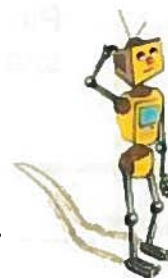
Here are some number puzzles for you to do.

The **SAME** pair of numbers will make both of these number sentences correct.

The first puzzle has been completed for you.

$$\boxed{8} \times \boxed{3} = 24$$

$$\boxed{8} + \boxed{3} = 11 \quad \text{The missing pair of numbers here is 8 and 3.}$$



Fill in the missing pairs of numbers to make the number sentences below correct.

1. $\boxed{} + \boxed{} = 7$

$$\boxed{} \times \boxed{} = 12$$

2. $\boxed{} + \boxed{} = 15$

$$\boxed{} \times \boxed{} = 54$$

3. $\boxed{} \times \boxed{} = 30$

$$\boxed{} - \boxed{} = 7$$

4. $\boxed{} \div \boxed{} = 20$

$$\boxed{} \times \boxed{} = 500$$

In the next two puzzles you need to fill in both the pairs of numbers and the missing signs.

5. $\boxed{} \boxed{} = 27$

$$\boxed{} \boxed{} = 6$$

6. $\boxed{} \boxed{} = 90$

$$\boxed{} \boxed{} = 47$$

Balanced Assessment *in* Mathematics

3

These tasks give you a chance to show how you reason and solve mathematical problems.

Please show your work and reasoning in the spaces provided.

Name: _____	Male	Female
School: _____	City: _____	
Teacher: _____	Grade: _____	
Date: _____		

Do not write in the box below:

3-1	The Baby Dragon 9	Patio Plants 8	Road Signs 8	Number Cards 8	Sea Shells 7	Total 40
11						