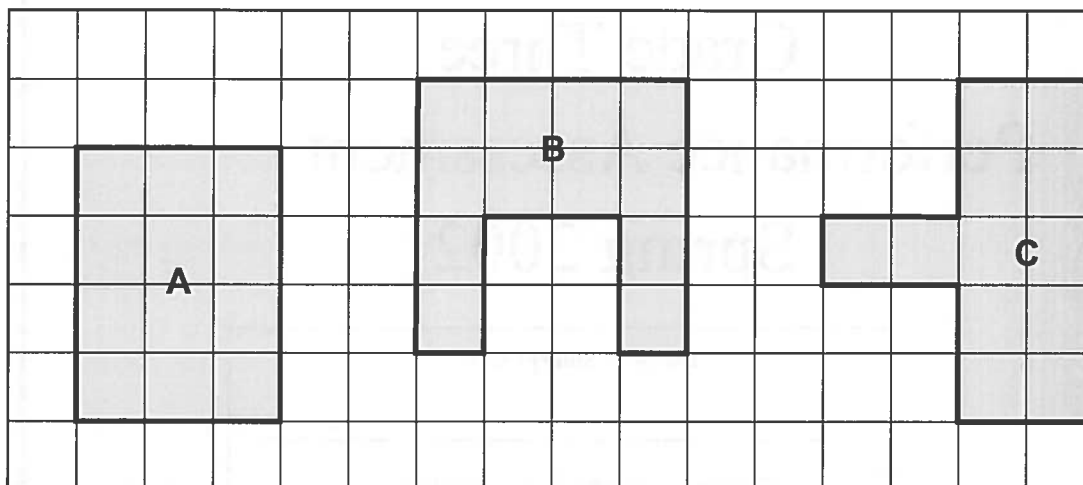


Shaping Up

This problem gives you the chance to:

- figure out the area and perimeter for three geometric shapes
- explain which perimeter is largest and which is smallest

Here are three shapes.



On the grid above, each small square is 1 unit long and 1 unit wide.

1. Find the area of each of the three shapes shown above.

The area of shape A is _____ square units.

The area of shape B is _____ square units.

The area of shape C is _____ square units.

2. Which of the three shapes has the largest perimeter? _____

Which of the three shapes has the smallest perimeter? _____

Explain your answers.

**Mathematics Assessment
Collaborative**
Grade Three
Performance Assessment
Spring 2002

District's Student ID #

(Option: District May Use a Label Here)

To be completed by official scorer

MAC ID # _____

	Score	Score Chk
Task 1 Calendar (8)	_____	_____
Task 2 Flowers (8)	_____	_____
Task 3 Math Shapes(10)	_____	_____
Task 4 Get Clued Up (7)	_____	_____
Task 5 Spring Flowers (7)	_____	_____
Total (40)	_____	_____

Calendar

This problem gives you the chance to:

- use number patterns in a real context and explain your method
-

Here is a calendar showing some of the dates for April 2002.

April 2002						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8					

You may write on the calendar above as you work through these questions.

1. What is the date of the second Friday in April 2002? _____

2. John's birthday is on April 19.

On what day of the week will his birthday be in 2002? _____

Show your work on the calendar above.

3. What are the dates of all the Mondays in April 2002? _____

Show your work on the calendar above.

4. What day of the week is the last day of the month? _____

Remember, April has only 30 days.

Explain how you figured it out.

5. What day of the week is May 1? _____

Flowers




This problem gives you the chance to:

- apply numbers in a practical situation
-

1. On Monday, Lucy plants 3 rows of flowers in her garden.
In each row she plants 8 flowers.
The picture below shows her garden after she has planted some
of the flowers.

How many flowers will she plant in all? _____

Show how you figured it out.

Row 1	
Row 2	
Row 3	

2. On Tuesday, Lucy plants 35 flowers in all.






She makes 5 rows of flowers.

In each row there is the same number of flowers.

The picture below shows her garden after she has planted some
of the flowers.

How many flowers will she plant in each row? _____

Show your work.

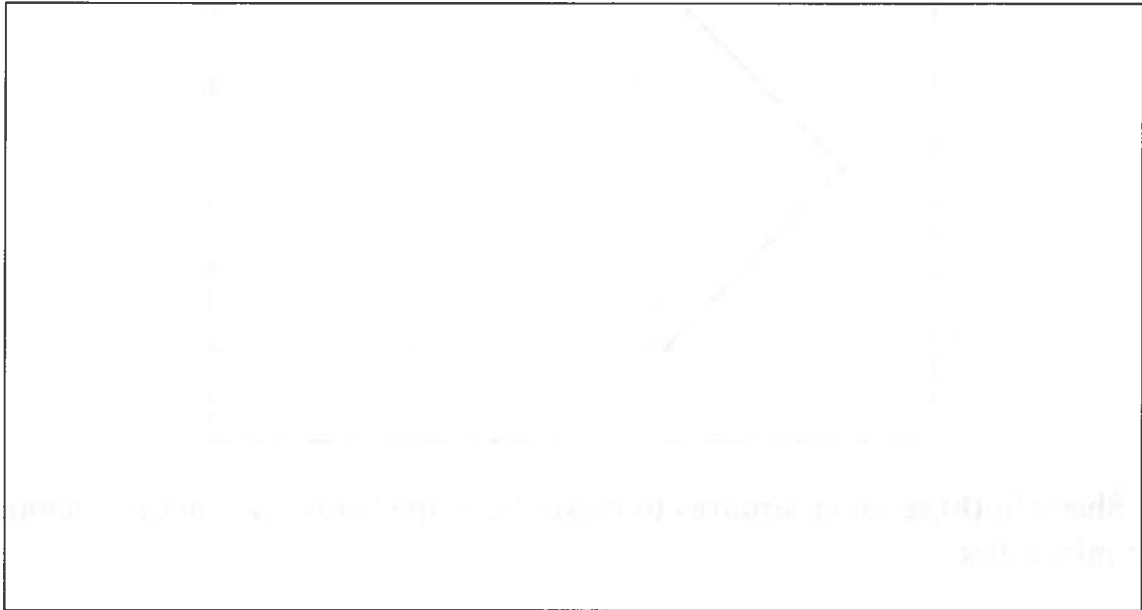
Row 1	
Row 2	
Row 3	
Row 4	
Row 5	

3. On Wednesday, Lucy plants 12 flowers in all.
There is the same number of flowers in each row.

How many rows of flowers will she plant? _____

How many flowers will she plant in each row? _____

Draw a picture that shows her garden after she has planted all her flowers.

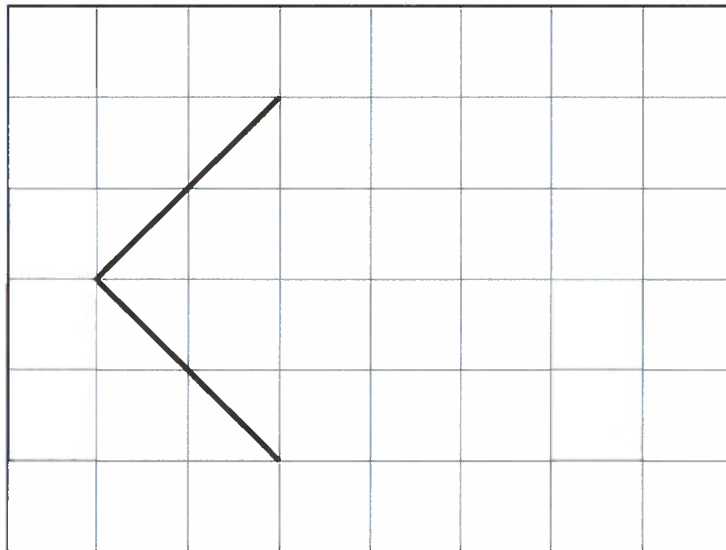


Math Shapes

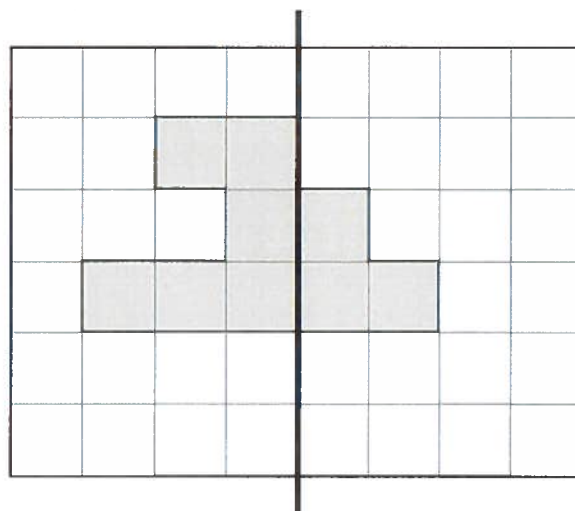
This problem gives you the chance to:

- draw math shapes
-

1. Two sides of a square have been drawn on the grid below.
Draw **two more straight lines** to make the square.



2. Shade in **three more squares** to make the shape below symmetrical about the mirror line.

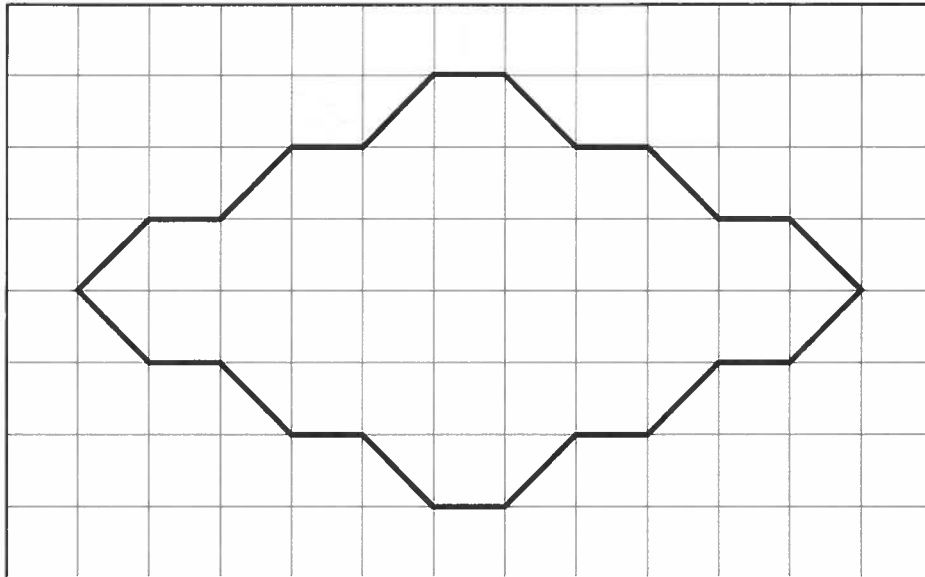
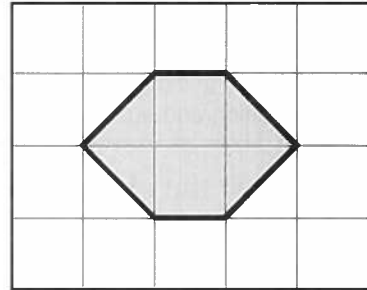


mirror line

3. Here is a hexagon.

Show how many hexagons like this can fit inside the shape below.

There should not be any gaps between the hexagons, and they should not overlap.



How many hexagons fill this shape? _____

2. Explain how the number pattern in the boxes increases.

3. What is the next number in the pattern? _____

Write this number in the star shape below the boxes.

4. Write a clue for the number you wrote in the star shape.

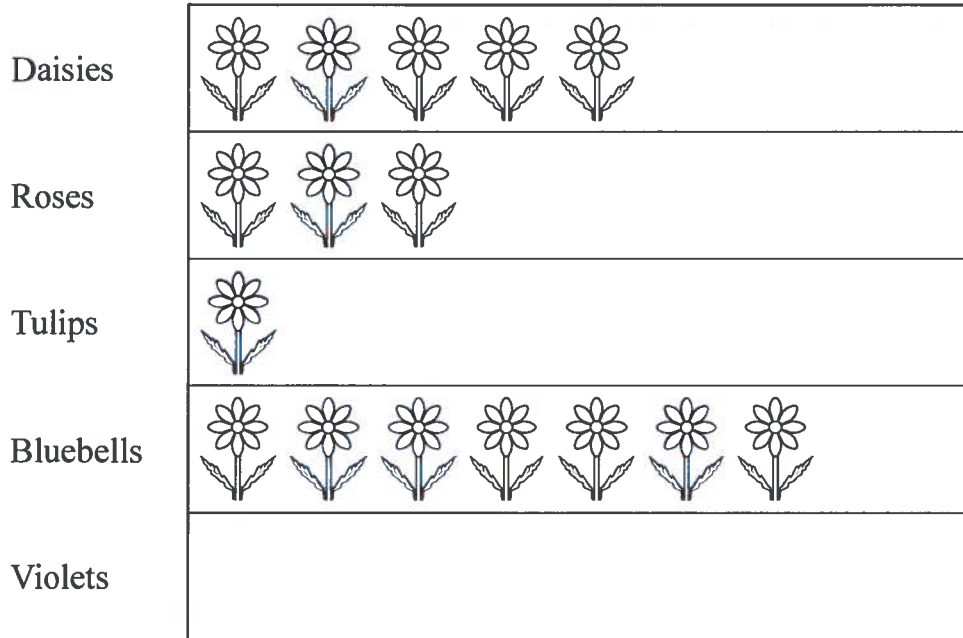
Spring Flowers

This problem gives you the chance to:

- interpret data presented pictorially

Josie made this chart showing the flowers she had found growing on the school grounds.

Each symbol  stands for 1 flower.



1. How many daisies did Josie find on the school grounds? _____
2. How many bluebells did she find? _____
3. How many more roses than tulips did Josie find? _____
4. Josie found 2 violets. Show this on the chart.
5. How many flowers did she find in all? _____
Explain how you figured it out.
