


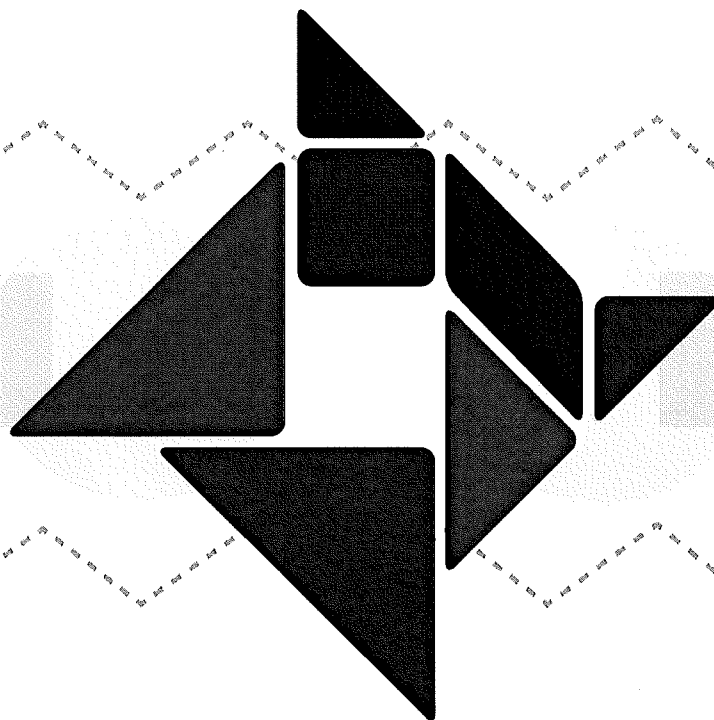
One

Two

Year 3



Rich Learning Tasks

Dr. Marian Small



Problem Solving and Reasoning

Name: _____

Number

15 Blocks

You can represent a number using exactly 15 base ten blocks.
What could the number be?



Name: _____

Number

Getting Change

You bought a gift for your sister. You gave the cashier \$10 and got back 3 coins and a note. How much might the gift have cost?

Think of different possibilities.

We Belong Together

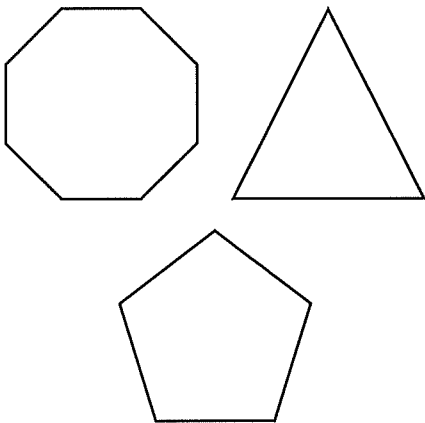
Draw two other shapes that belong with the others in the group.

Tell why the new shapes belong.

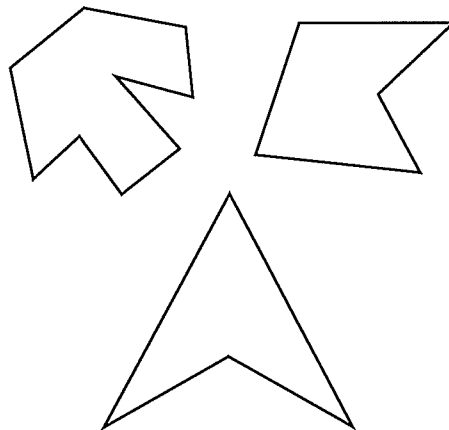
If you can think of more than one reason why the shapes go together, draw a different set of two shapes that belong with them.

Now draw your own group of five shapes that don't all look the same, but belong together. Tell why.

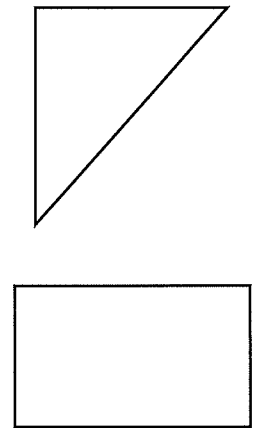
Group 1



Group 2



Group 3



Name: _____

Two Triangles

One triangle is a LOT taller than another, but they have the same perimeter.

What is that perimeter and what do the triangles look like?

Did the size of the perimeter affect what you created? Explain.

Name: _____

Clocks

Draw hands to set the first clock to a start time where both hands are in the yellow part of the clock.

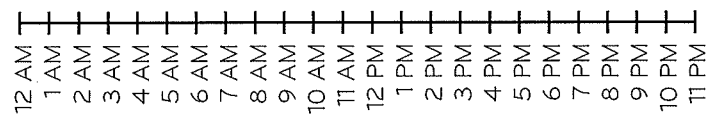
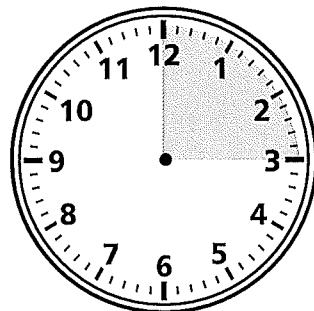
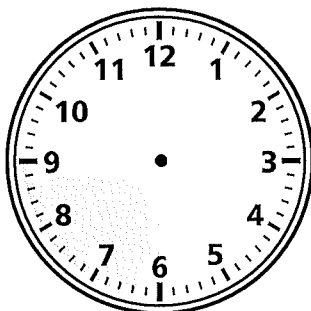
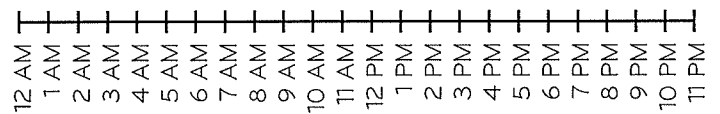
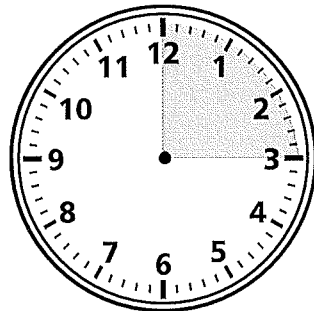
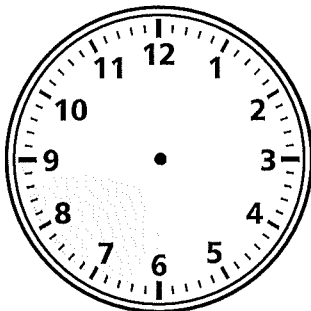
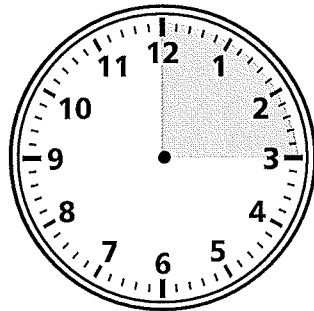
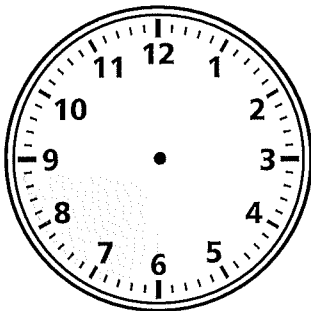
Draw hands to set the second clock to an end time where both hands are in the pink part of the clock.

Tell how much time has passed to go from the first time to the second time.

Try again with at least two different times.

START

END



Name: _____

Balancing Act

All of the yellow boxes hold the same number of cans.

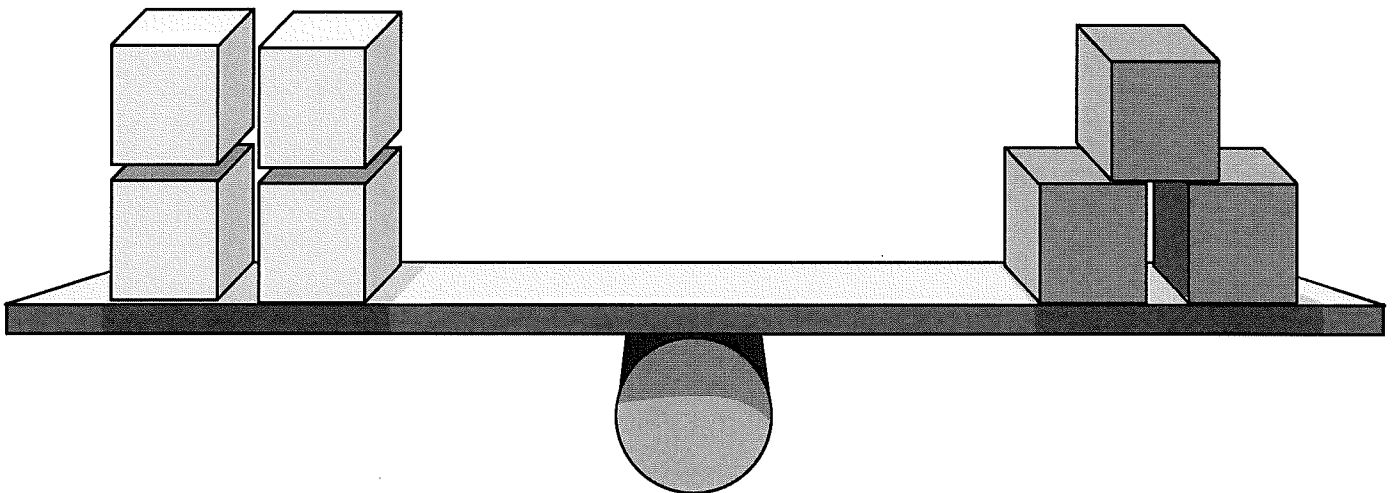
All of the blue boxes hold the same number of cans.

How many cans could be in each kind of box?

How do you know?

Think of lots of possibilities.

How are the number of cans in the two colours of boxes related?



Name: _____

Circle Patterns

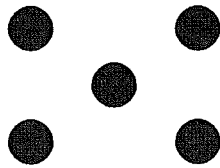
Here is the start of an increasing pattern. It has 2 circles and then 5 circles.

Continue growing the pattern until the 10th picture.

Do it lots of ways, making a different pattern each time.



Picture 1



Picture 2

Picture 3

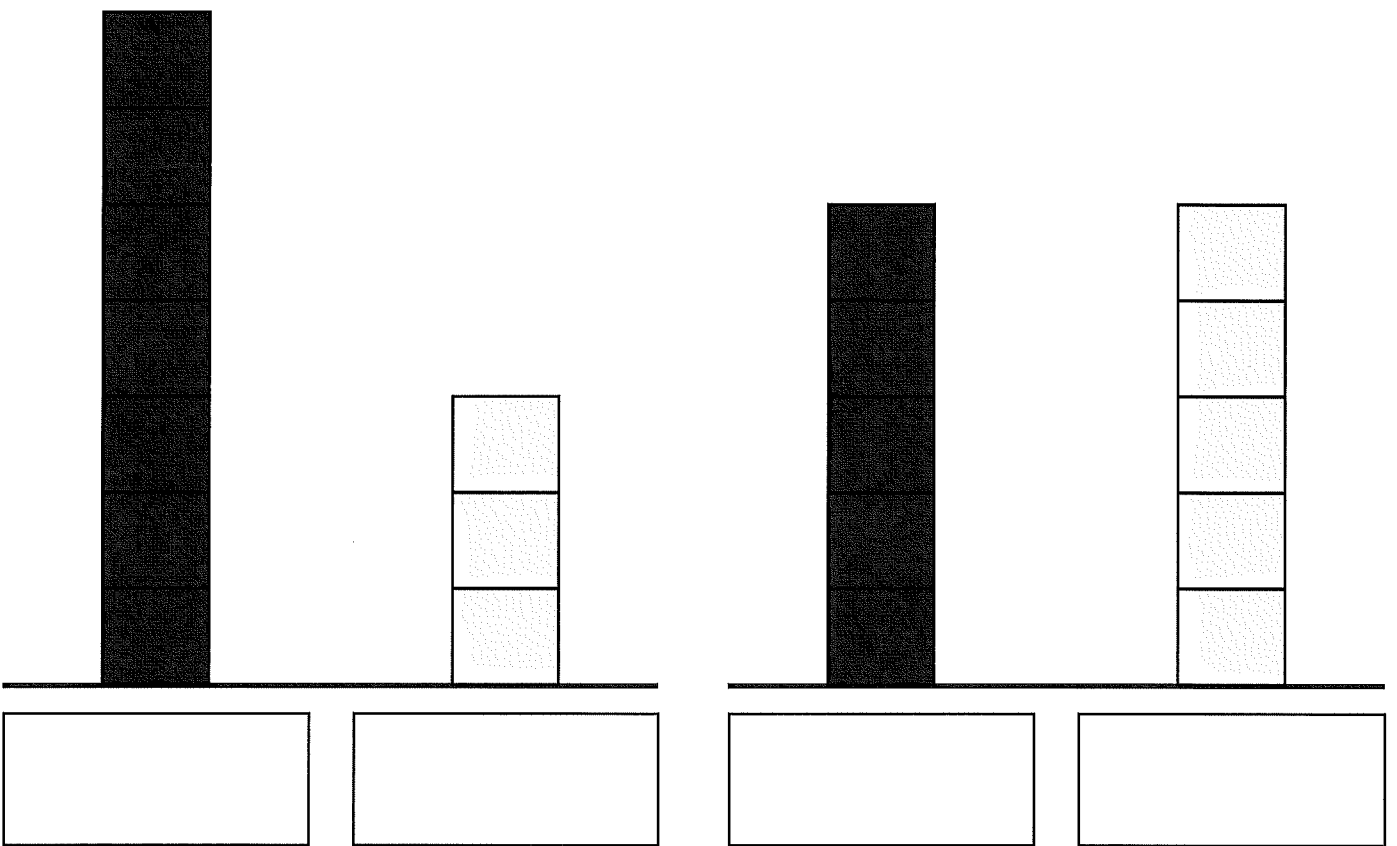
Name: _____

Sort Us

Use the numbers below.

How can you sort them so this graph tells how the 10 numbers were sorted?

How could you sort them to get this graph?



✂

40	121	12	31	9
50	13	220	500	306

