



Composing and Decomposing Two-Dimensional Figures

Explore – Answer Key

Materials:

- Pre-cut paper squares, equilateral triangles, and rectangles (either die-cut shapes or use the Engage Activity Master)
- Clock faces (Explore Activity Master)
- Analog gear clock for class demonstration
- Scissors and paste for each student

Procedure:

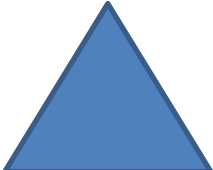


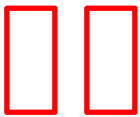
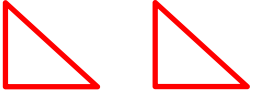





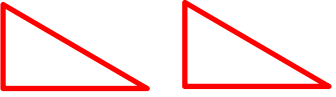
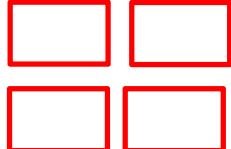
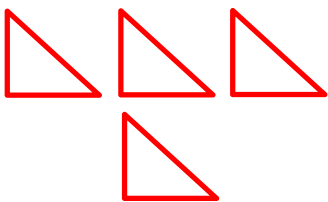
1. Distribute the paper shapes.
2. Model folding the paper figures in half to make equal pieces.
3. Show students the 2 pieces that are equal. Tell the students these are equal pieces or fair shares.
4. Have students explore different ways to fold and cut the shapes making 2 and 4 equal pieces. Discuss that the cut pieces are halves or fourths.
5. Have students complete the first part of the Explore Activity sheet.
6. Pass out the clock faces. Ask students to fold through the 12 and 6 and ask what each side of the fold represents ($\frac{1}{2}$ hour).
7. Show several hour and half hour times on a demonstration clock asking the students what time is it.
8. Have students complete the second part of the Explore Activity sheet. You will need to say 3 different times – hour and half hour – for page 2 of the activity sheet. Suggested times:
 - a. 8:30
 - b. 3:00
 - c. 11:30



Name _____ Date _____

Draw the pieces you cut each shape into.

Answers can vary. Possible answers are shown.

	2 equal pieces	4 equal pieces
		
	 or 	 Or  or 
	 Or 	 or 

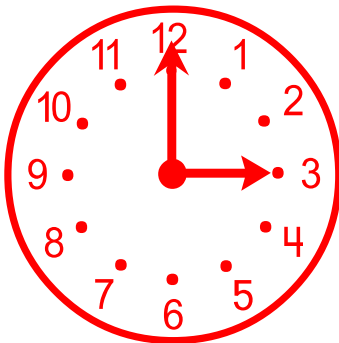


Name _____ Date _____

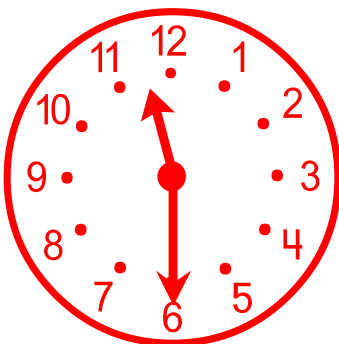
Write the time your teacher tells you on an analog and digital clock. *Answers shown are for suggested times provided in teacher directions.*



	8	:	3	0
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	3	:	0	0
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1	1	:	3	0
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