

Enrichment Packet #15

Due: Monday

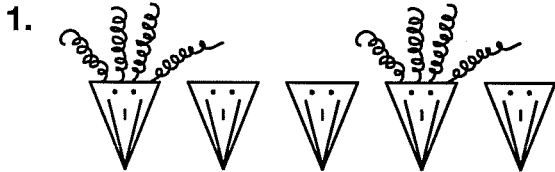
NAME: _____

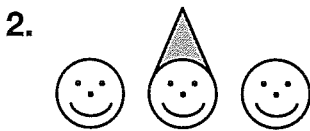
Look-Alikes

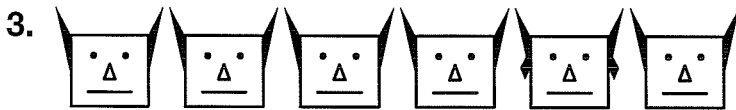
Write the fraction from the box that shows the smaller part of each group. You will not use all of the fractions.

Visual Thinking

Fraction Box				
	$\frac{3}{4}$	$\frac{3}{7}$	$\frac{1}{4}$	
$\frac{3}{8}$	$\frac{5}{8}$	$\frac{1}{3}$	$\frac{3}{5}$	$\frac{5}{6}$
$\frac{1}{6}$	$\frac{2}{3}$	$\frac{4}{7}$	$\frac{2}{5}$	













Paper Fun

Read the steps in the box. Then answer the questions.

Reasoning

Step 1: Tyler and Ashley each have a rectangular sheet of paper.

Step 2: Tyler folds his paper in half and Ashley folds her paper into three equal parts.

Step 3: Tyler and Ashley open their papers and label the creased lines with a fraction that represents the length of the paper at the creased line.

Step 4: Tyler and Ashley refold the paper as in step 2.

Step 5: Tyler folds his paper into three equal parts and Ashley folds her paper into two equal parts.

Step 6: Tyler and Ashley open their papers and label the creased lines with fractions that represent the length of the paper at each creased line.

1. What fraction did Tyler and Ashley write on the creased line of their papers in step 3?

2. What fractions did Tyler and Ashley write on the creased lines of their papers in step 6?

3. Are there any creases on Ashley's paper that are labeled differently than those on Tyler's paper? What are they?

4. Are there any creases on Tyler's paper that are labeled differently than those on Ashley's paper? What are they?

Let's Learn Sudoku

Find which number is missing from each row. Fill in the empty boxes.

3	1	9	4		2	5	7	6
---	---	---	---	--	---	---	---	---

4	7	6	5	8	3		9	1
---	---	---	---	---	---	--	---	---

2	1	7	6	8	3		4	9
---	---	---	---	---	---	--	---	---

Find which number is missing from each column. Fill in the empty boxes.

2
8
9
1
5
7
4
3

9
4
3
7
2
8
6
5

6
3
5
1
8
7
2
4

6
2
7
5
1
9
3
4

3
5
7
1
8
4
9
6

Time After Time

Estimation

JANUARY						
S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

APRIL						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

JULY						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

OCTOBER						
S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Estimate the fraction of each month that passed before the date given.

1. January 8 _____
2. October 17 _____
3. April 16 _____
4. July 5 _____
5. October 10 _____
6. January 25 _____
7. July 6 _____
8. April 30 _____

Playing the Part

Visual Thinking

1. You have 6 tiles. $\frac{2}{6}$ of the tiles are rectangles. The rest of the tiles are triangles. Draw a design using the tiles.
2. You have 10 tiles. $\frac{4}{10}$ of the tiles are rectangles. The rest of the tiles are triangles. Draw a design using the tiles.
3. You have 10 triangular tiles. Use $\frac{8}{10}$ of them to draw a design.

Students in Jeremy's class are working on 20 projects for the Science Fair.

4. $\frac{1}{5}$ of the projects are about plants. How many are about plants?

5. $\frac{1}{4}$ of the projects are about animals. How many are about animals?

Use the table at the right for Exercises 6 through 8.

6. What fraction of the train cars are tankers? What fraction are flatcars and boxcars altogether?

Train Cars	
Number	Cars
7	Flatcar
1	Engine
7	Tanker
9	Boxcar

7. One fourth of the cars are red. How many cars are red?

8. What fraction would represent all the cars in the train?
