



7

Name _____

Date _____

1. Use pattern F to complete parts (a) and (b).

Pattern F	0	2	4		8	
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- a. Write the rule for pattern F.
- b. Complete the table.

2. Use the table to complete parts (a)–(c).

- a. The rule for pattern A is add 3. The rule for pattern B is add $2\frac{1}{2}$. Complete the table.
- b. What is the number in pattern B when the number in pattern A is 18?
- c. What is the number in pattern A when the number in pattern B is 15?

Pattern A	Pattern B
0	$2\frac{1}{2}$
3	5

3. Use the table to complete parts (a) and (b).

Pattern G	12				
Pattern H	2				

- a. The rule for pattern G is subtract 2. The rule for pattern H is add 4. Complete the table.
- b. What is the number in pattern H when the number in pattern G is 0?

REMEMBER

4. Place parentheses to make the equation true.

$$12 \times 6 + \frac{3}{4} - \frac{2}{3} = 73$$

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5. Evaluate.

$$\left(\frac{3}{4} - \frac{2}{8}\right) \times \left(9 \times \frac{2}{3}\right)$$

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6. Write an expression that can be used to solve the problem.

Blake's recipe for cookies uses $\frac{2}{3}$ cups of white sugar and $\frac{1}{2}$ cup of brown sugar for 1 batch. He bakes 2 batches. How many cups of white sugar and brown sugar does Blake use altogether?

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7. Use $>$, $=$, or $<$ to compare the expressions. Explain how you can compare the expressions without evaluating them.

$$(20 \times 2) \div \left(\frac{1}{4} \times \frac{1}{10}\right) \quad \underline{\hspace{1cm}} \quad (20 \times 2) \div \left(\frac{1}{4} \div 10\right)$$