Day 5

1. Opener

Simplify each of these:

a) $\left(-2 \bullet \left|5^2 - 6^2\right|\right)^2 =$

b) $-5^2 + (-5)^2 =$

c) Evaluate: $b^2 - 4ac$ for a = -2, b = -5, c = 1

d) Fill in the missing parts of these two tables:

x	$x^2 - 1$
1	
2	
3	
4	

x	3x - 5
5	
6	
7	
8	

e) How much did Nike pay for its logo?

8. Homework

Practice

Simplify:

$$16 - 4|4 - 8| =$$

Challenge

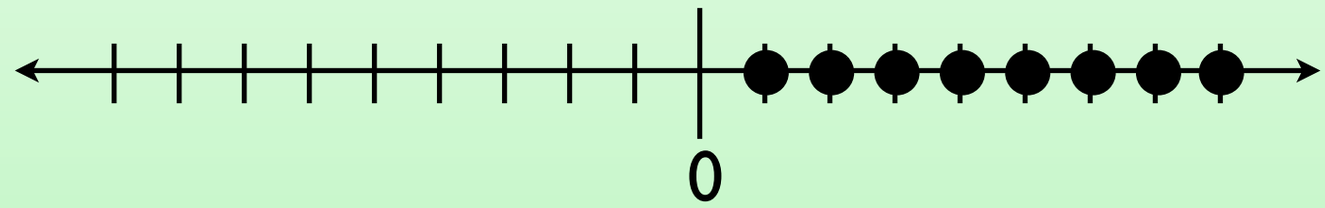
Simplify:

$$(-|4 - 8|)^2 - 16 =$$

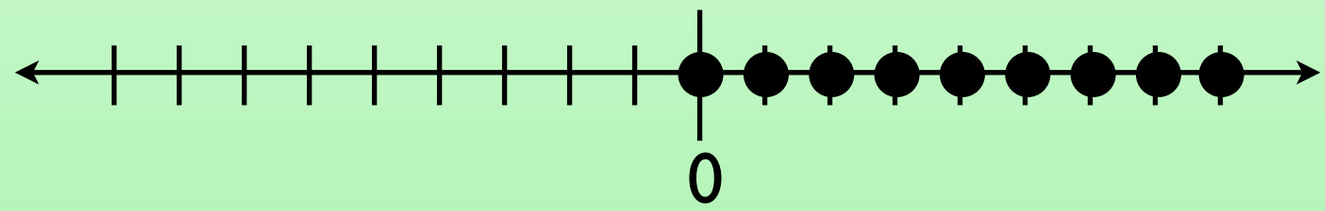

GUINNESS WORLD RECORD
ATTEMPT FOR
SNAILS ON THE FACE

2. Kinds of Numbers

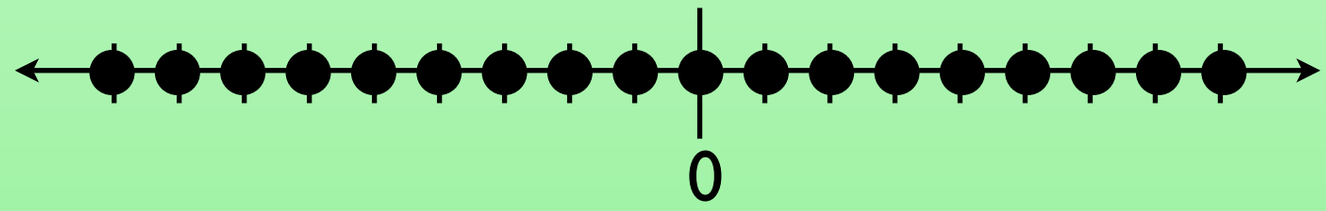
natural numbers



whole numbers



integers



3. Properties

3. Properties

$$7 \cdot 6$$

3. Properties

$$7 \cdot 6$$

$$7 \cdot 10$$

3. Properties

$$7 \cdot 6$$

$$7 \cdot 10$$

$$7 \cdot 16$$

3. Properties

9 • 14

3. Properties

7 • 15

3. Properties

8 • 17

3. Properties

Distributive Property

do some distributive property examples here

c) = ab + ac

3. Properties

Commutative Property of Addition

$$6 + 7 = 7 + 6$$

3. Properties

Commutative Property of Addition

$$5 - 10 = -10 + 5$$

3. Properties

Commutative Property of Multiplication

3. Properties

Associative Property of Addition

$6 + 3 + 5$

3. Properties

Associative Property of Addition

$$(6 + 3) + 5$$

3. Properties

Associative Property of Addition

$6 + (3 + 5)$

3. Properties

Associative Property of Multiplication

3. Properties

Identity Property of Addition

$5 + \square = 5$

3. Properties

Identity Property of Multiplication

$5 \cdot \square = 5$

3. Properties

Inverse Property of Addition

$7 + \square = 0$

3. Properties

Inverse Property of Multiplication

$7 \cdot \square = 1$

3. Properties

Inverse Property of Addition

$+ \square = 0$

3. Properties

Inverse Property of Multiplication

- $\square \cdot \square = 1$

4. Classwork

1. $-\frac{6}{7}+0=-\frac{6}{7}$

2. $1\bullet\frac{21}{23}=\frac{21}{23}$

3. $(-7+4)+1=-7+(4+1)$

4. $-.3+.3=0$

5. $9(7.3)=7.3(9)$

6. $5(12-4)=5(12)-5(4)$

7. $8\bullet(9\bullet11)=(8\bullet9)\bullet11$

8. $-.5\bullet(-2)=1$

4. Classwork

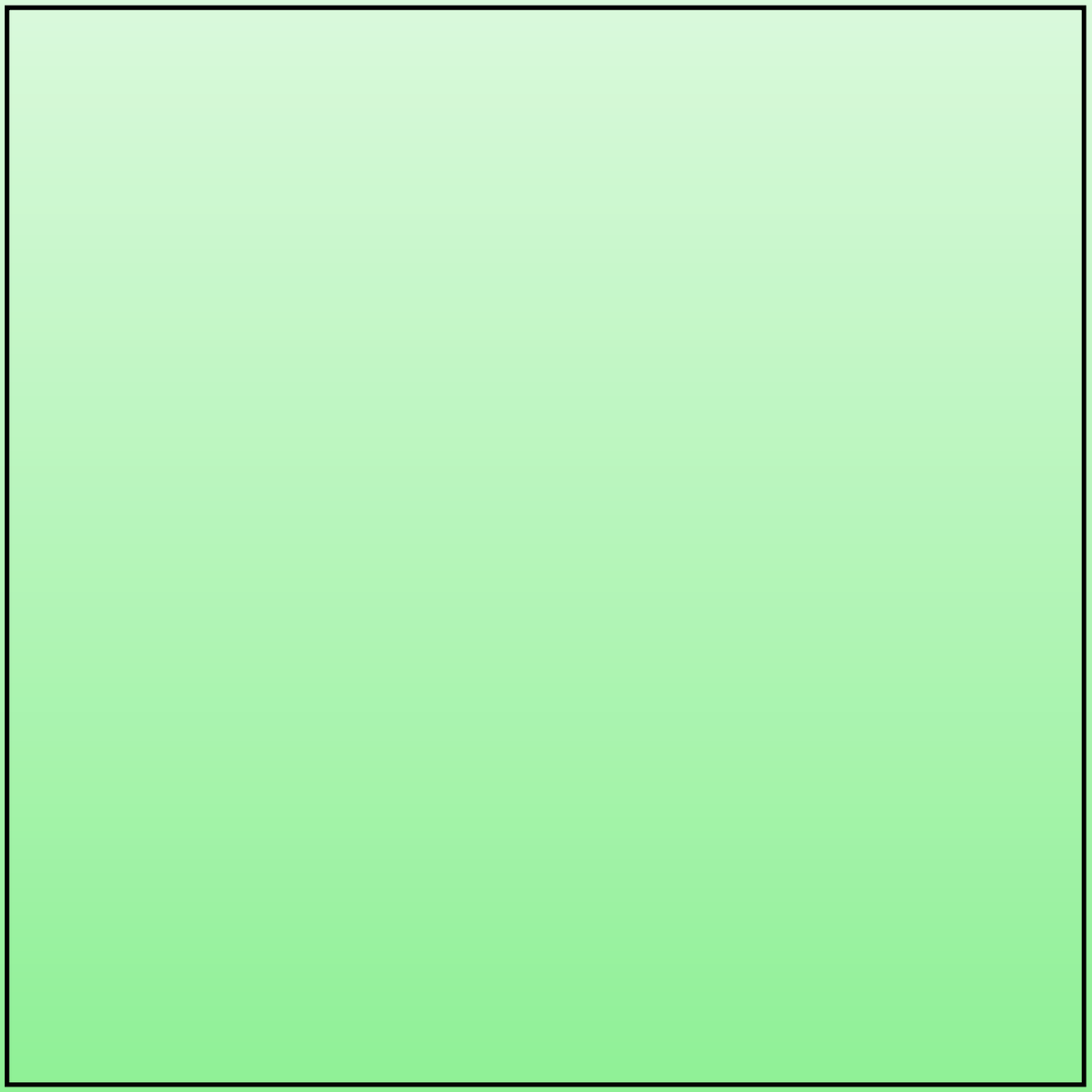
1. Is subtraction commutative?
2. Is subtraction associative?
3. Is division commutative?
4. Is division associative?

5. Break

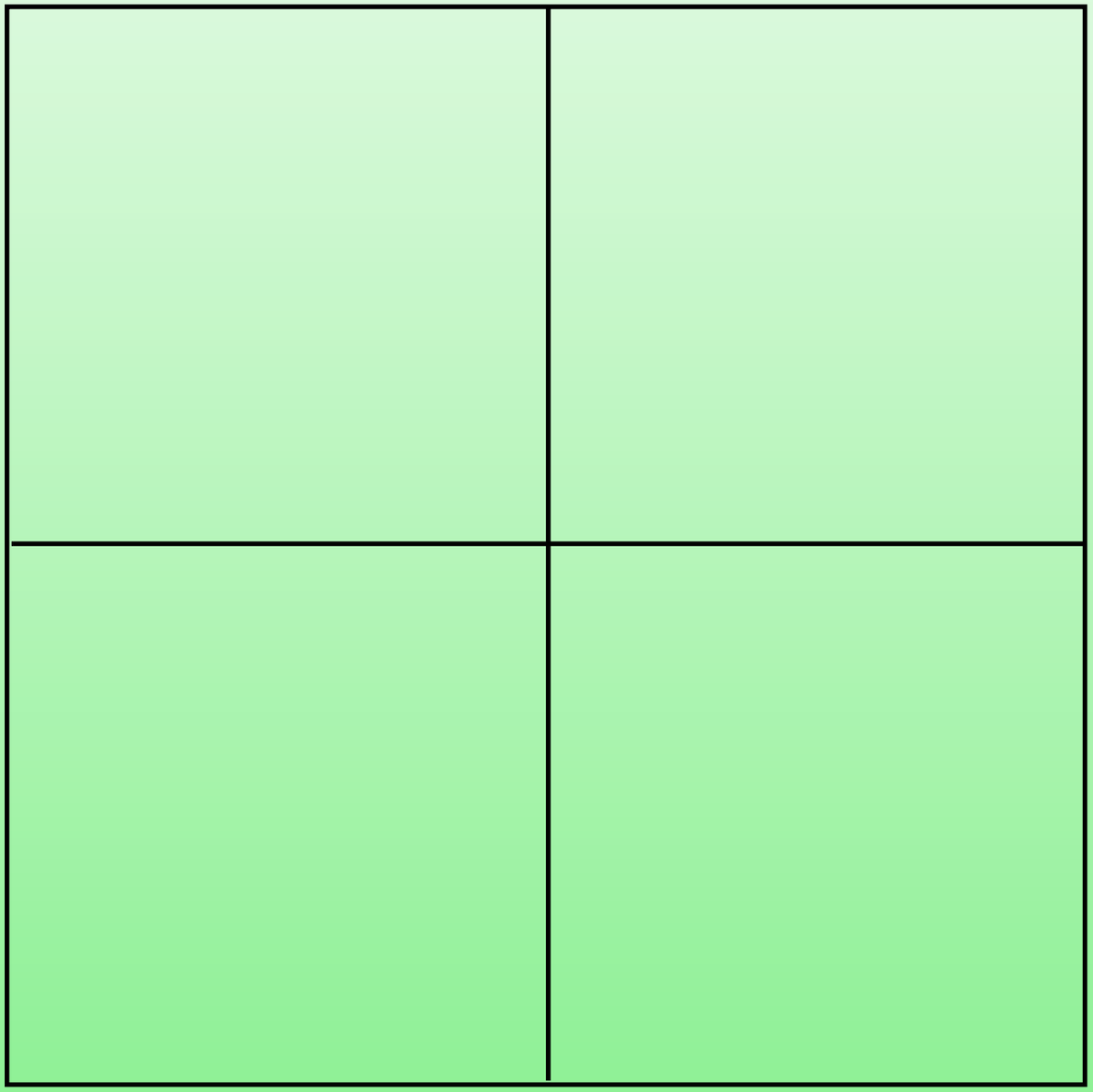
6. Show and Tell

7. Fractions

7. Fractions



7. Fractions



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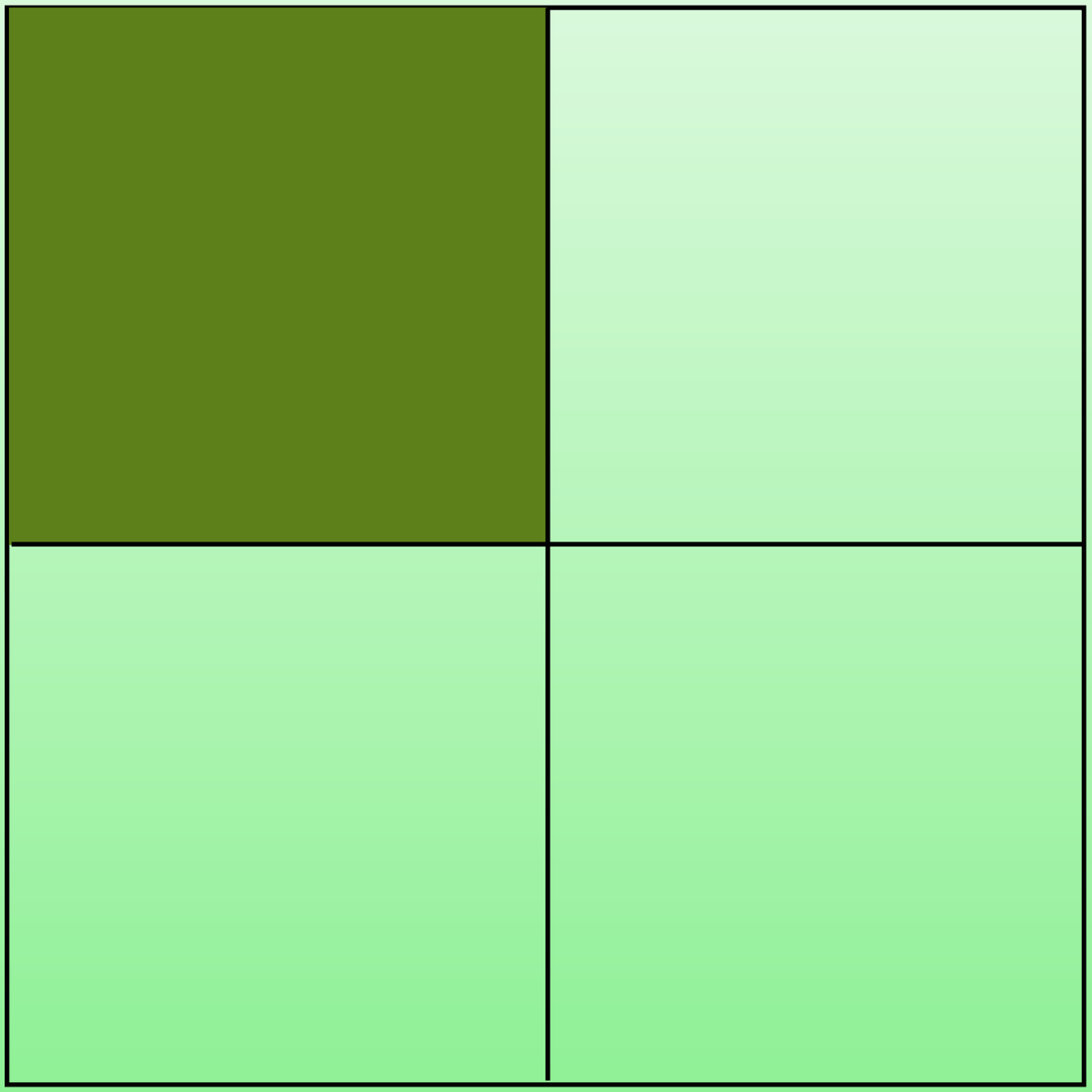

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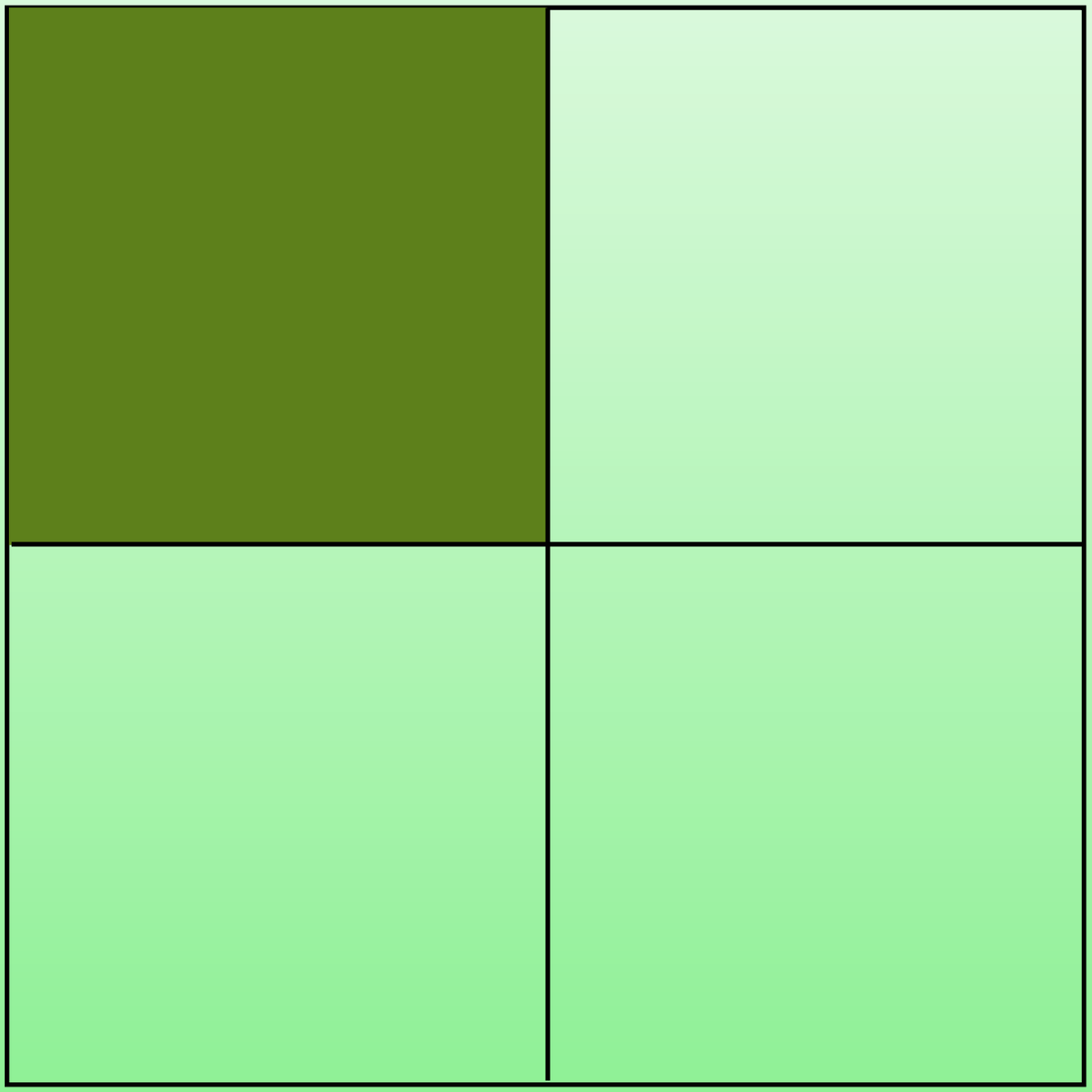
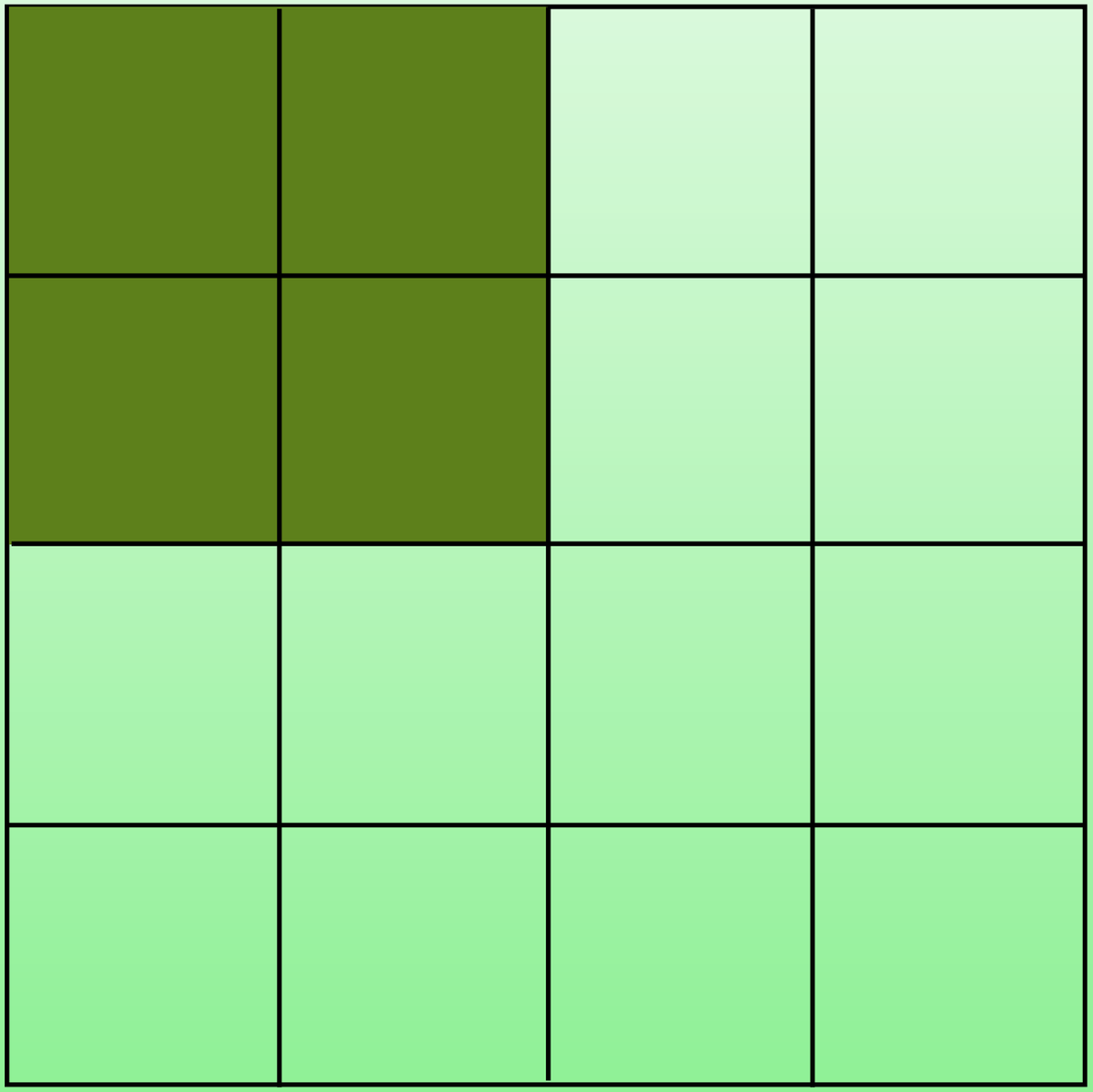


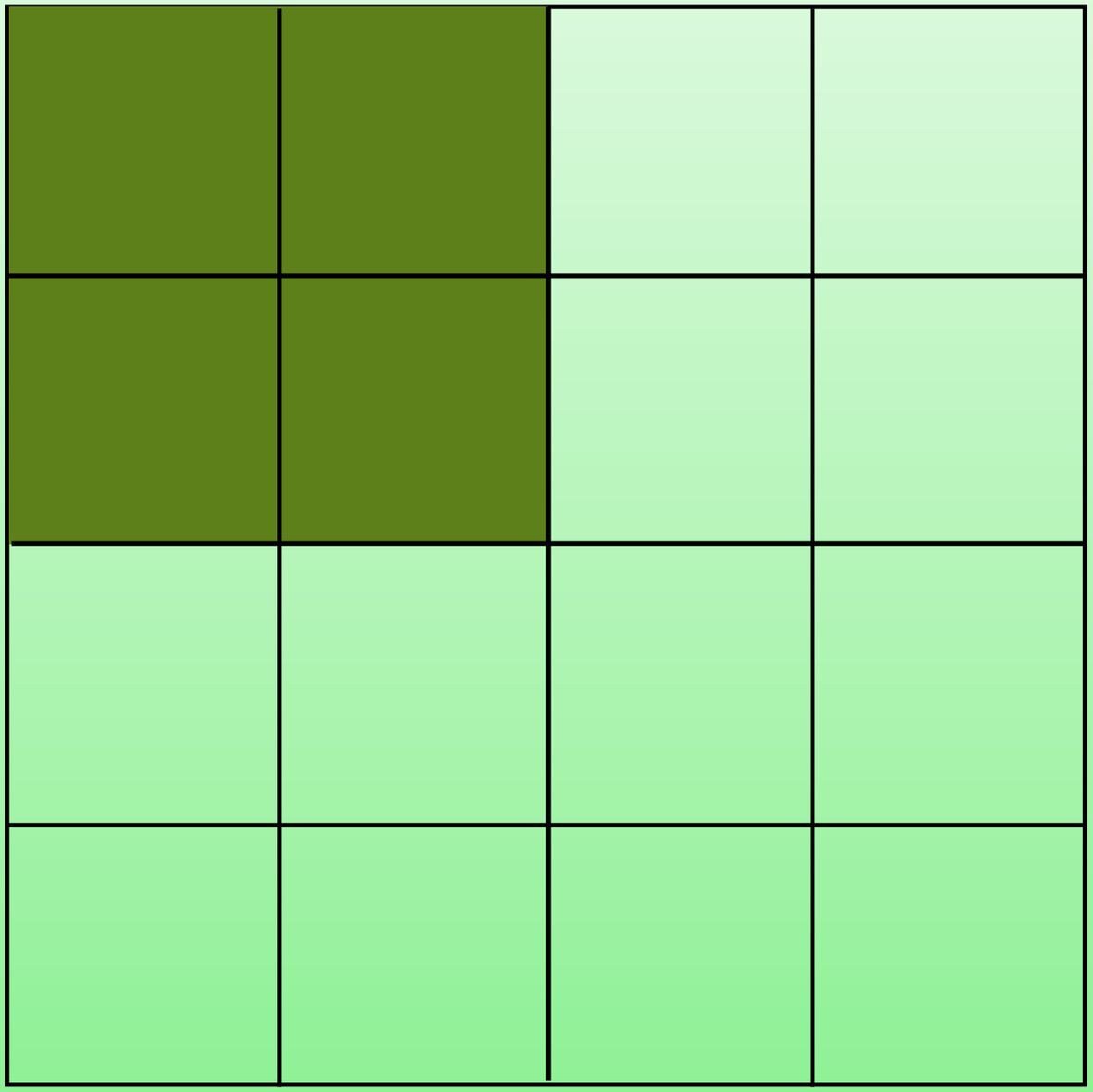
$\frac{1}{4}$

7. Fractions



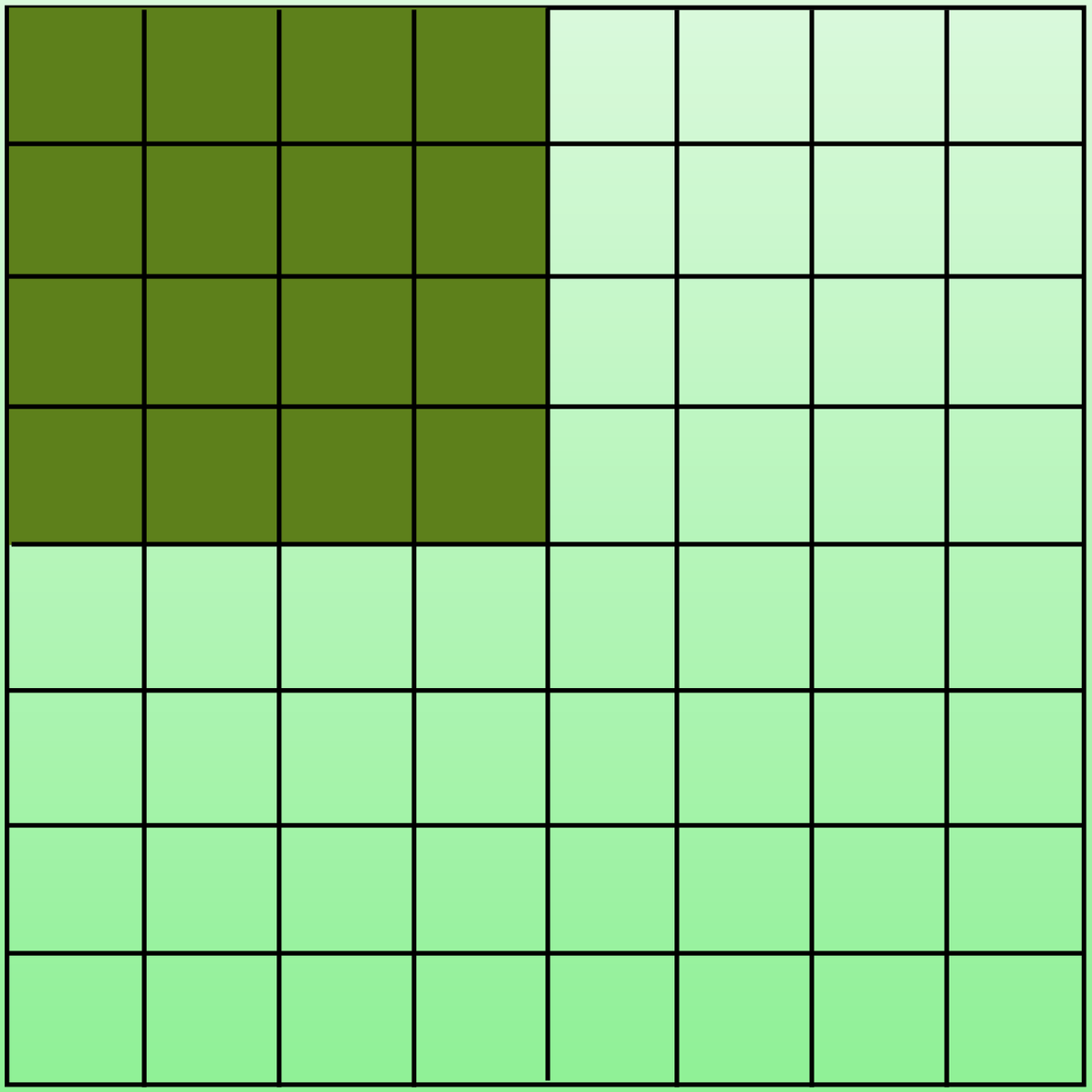
$\frac{1}{4}$

7. Fractions



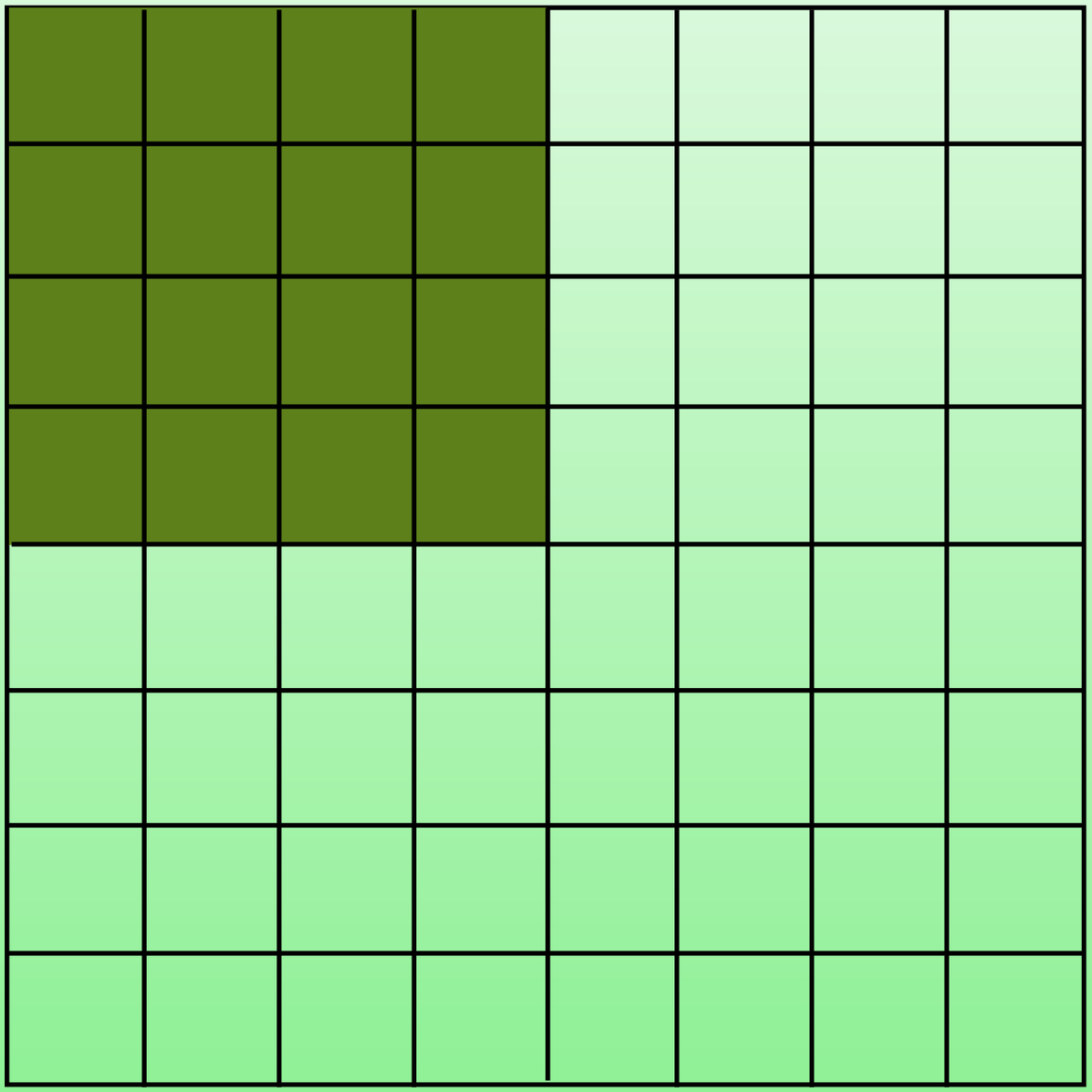
$$\frac{1}{4} = \frac{4}{16}$$

7. Fractions



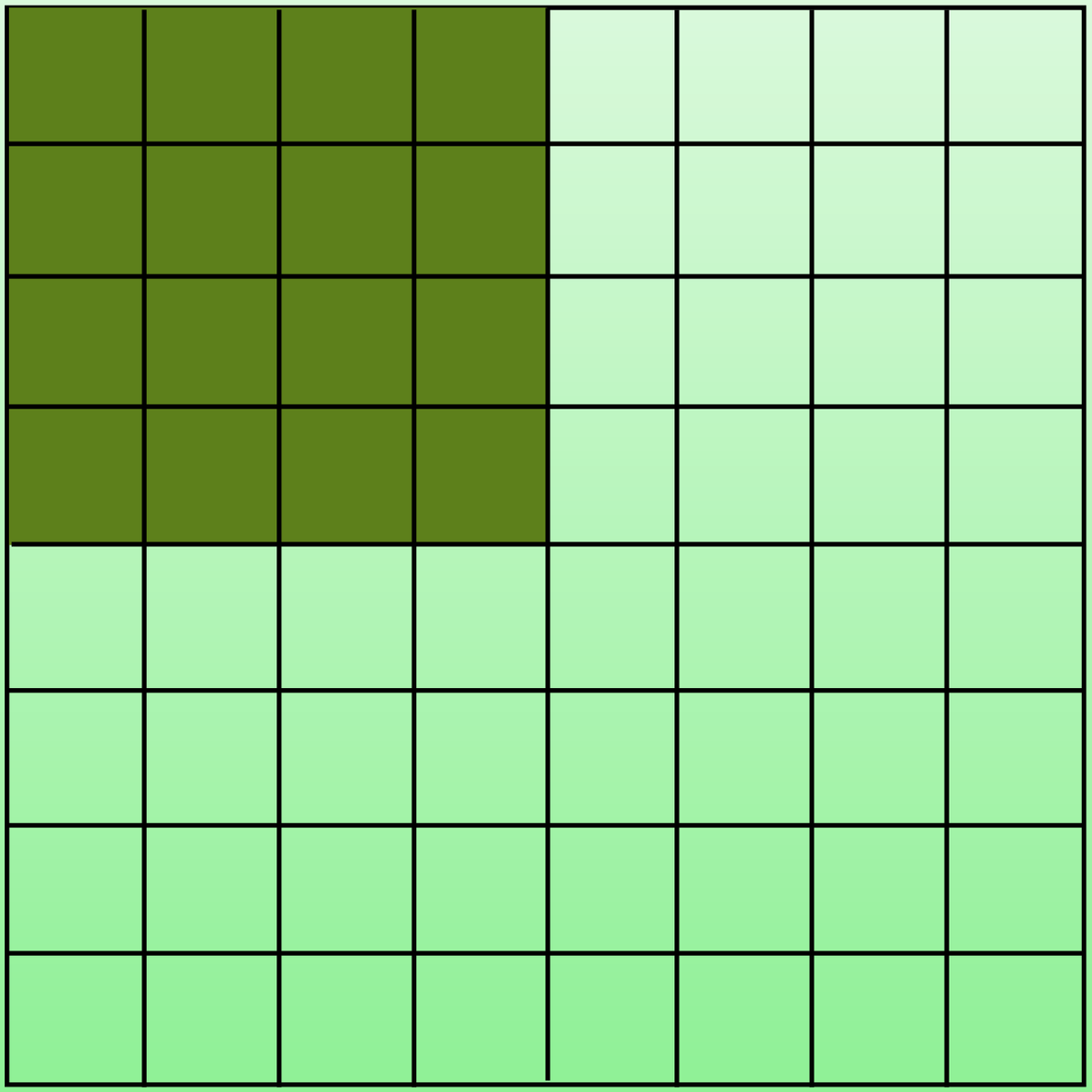
$$\frac{1}{4} = \frac{4}{16}$$

7. Fractions



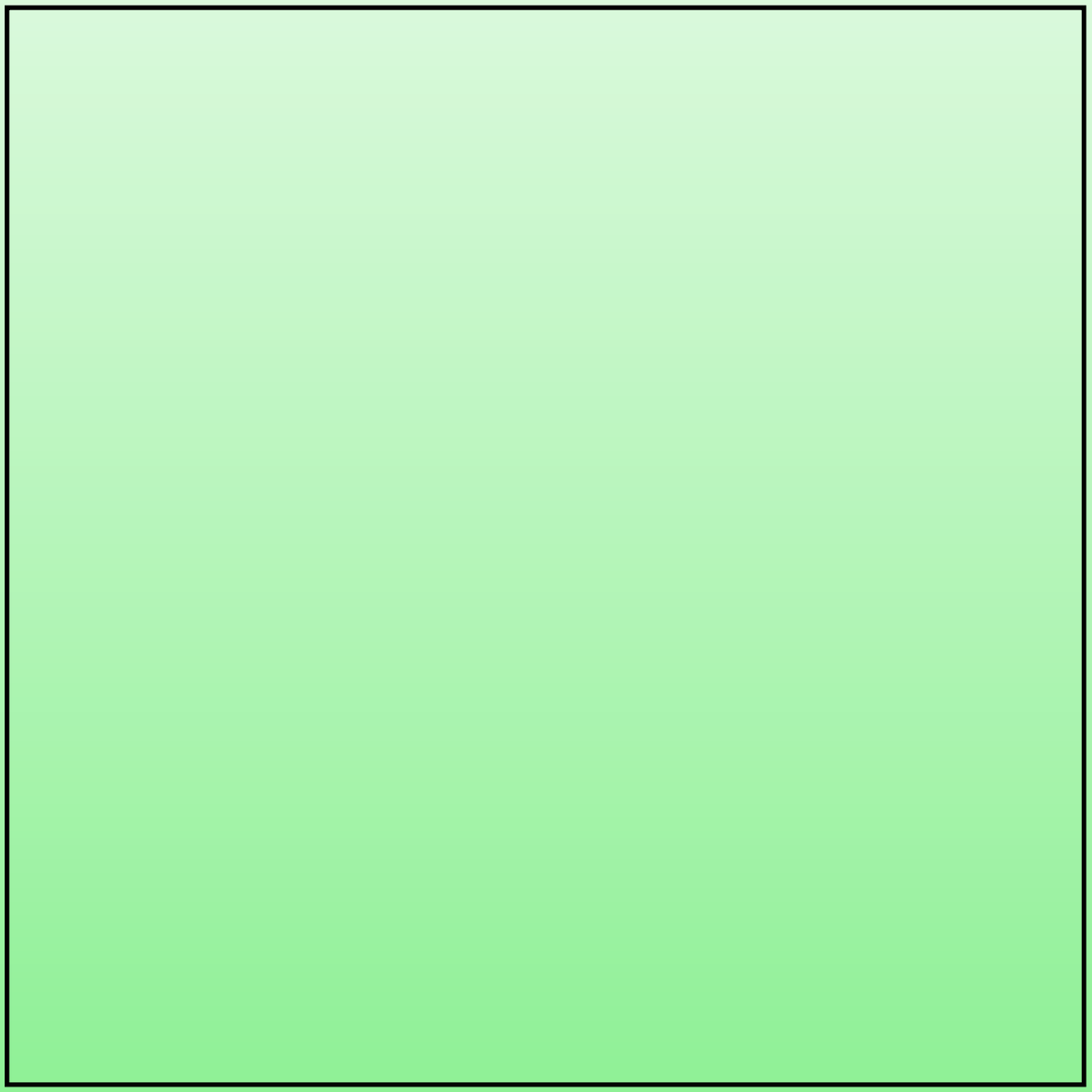
$$\frac{1}{4} = \frac{4}{16} = \frac{\quad}{64}$$

7. Fractions



$$\frac{1}{4} = \frac{4}{16} = \frac{16}{64}$$

7. Fractions



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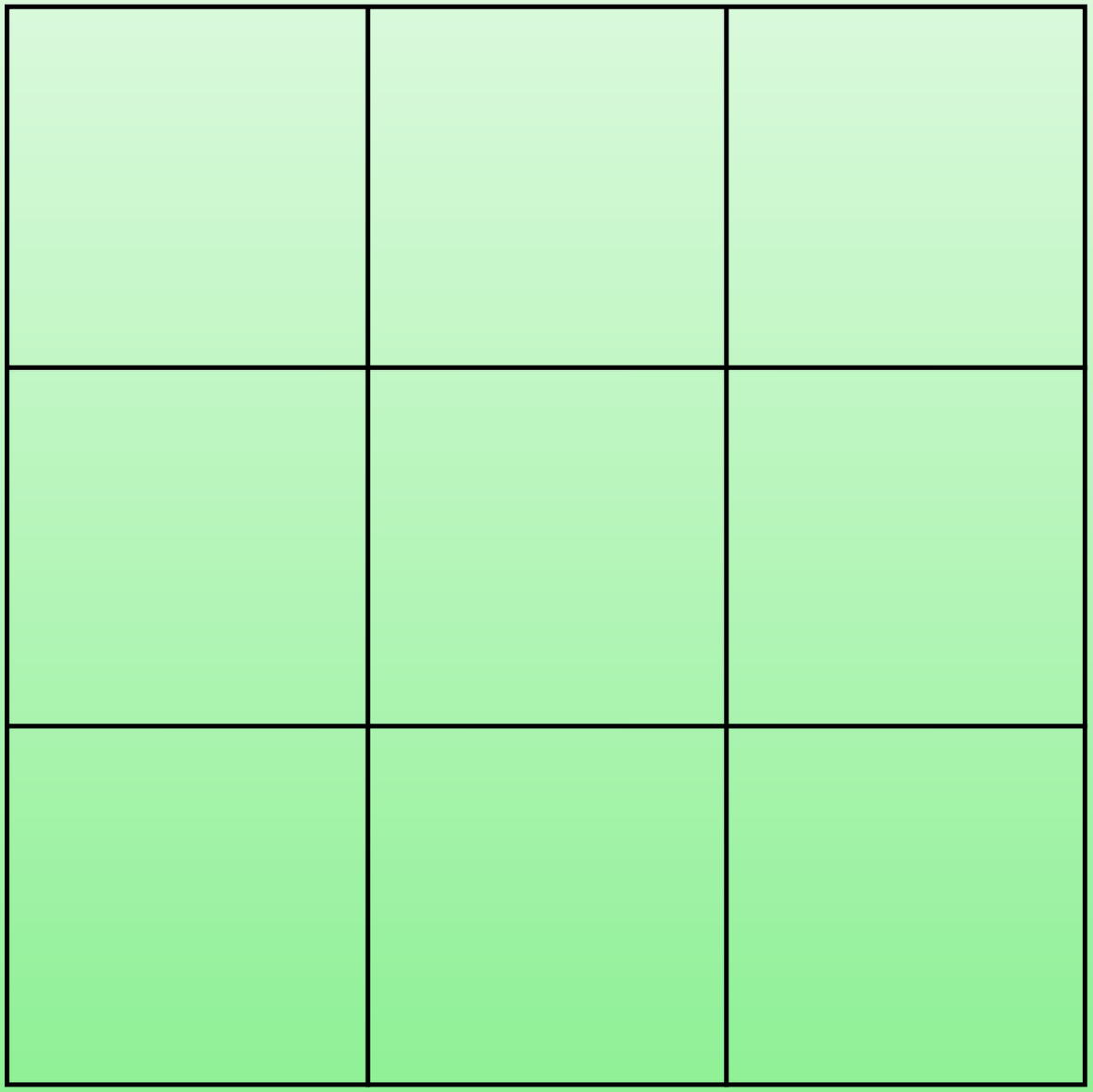

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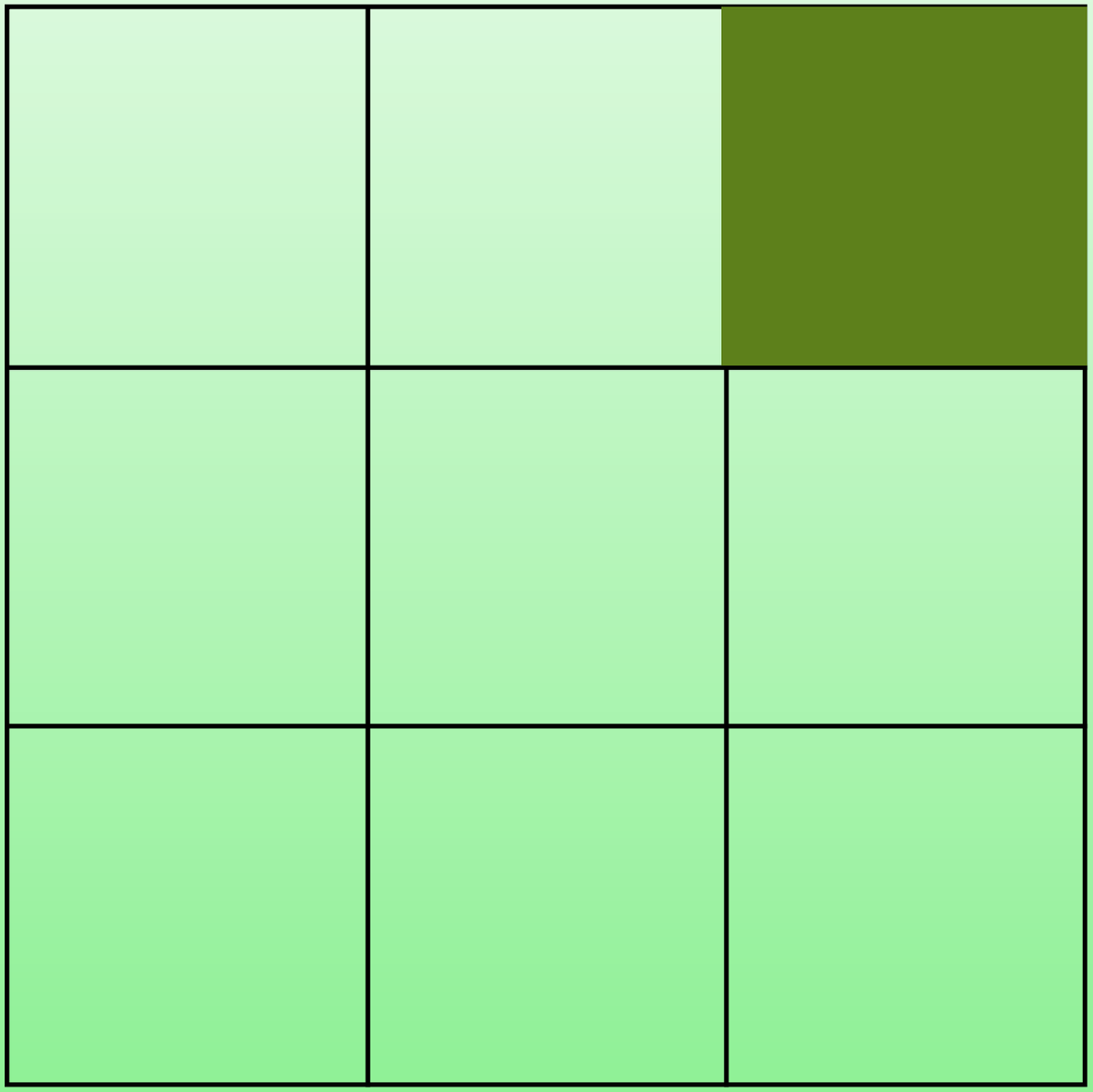

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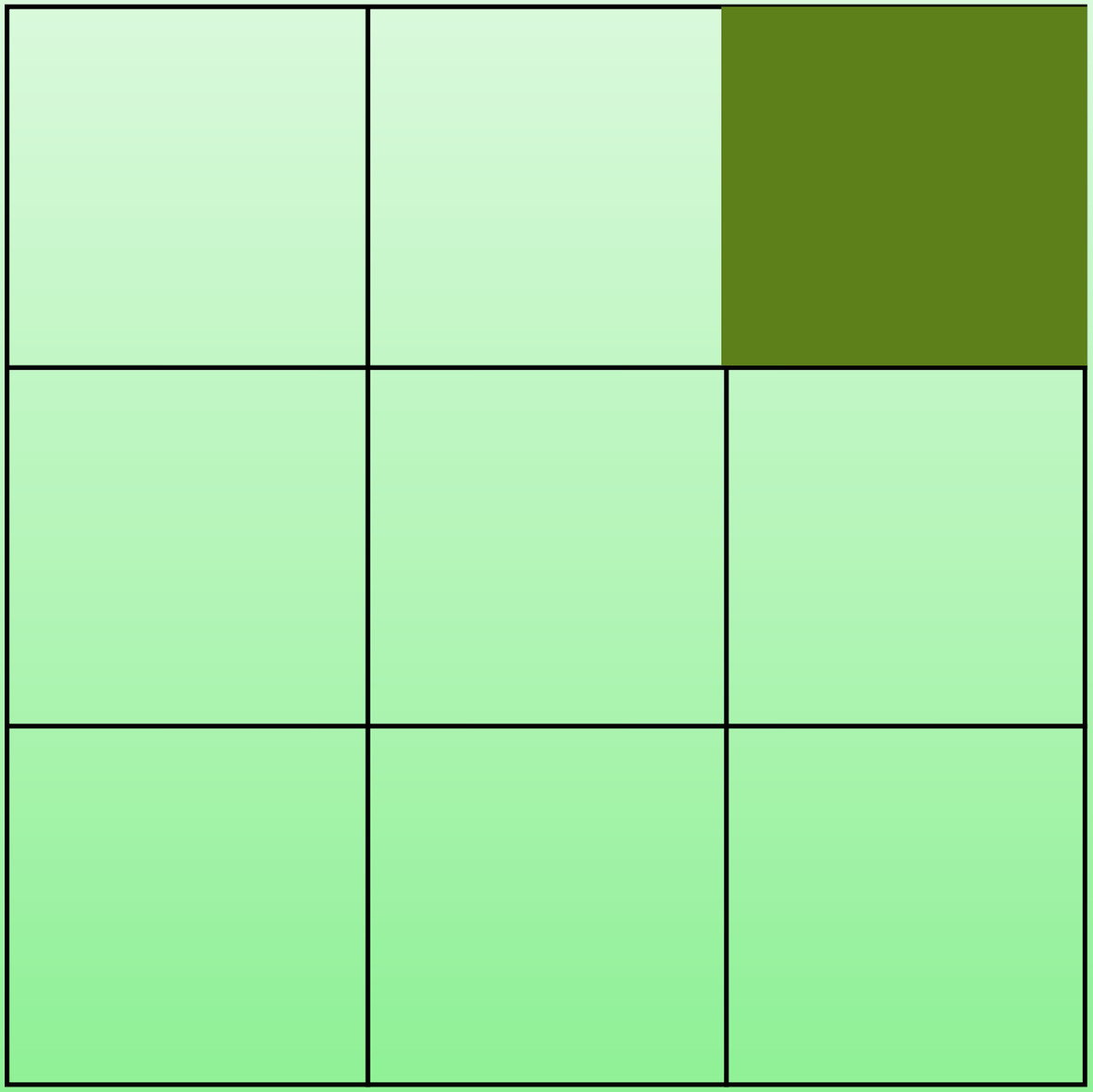
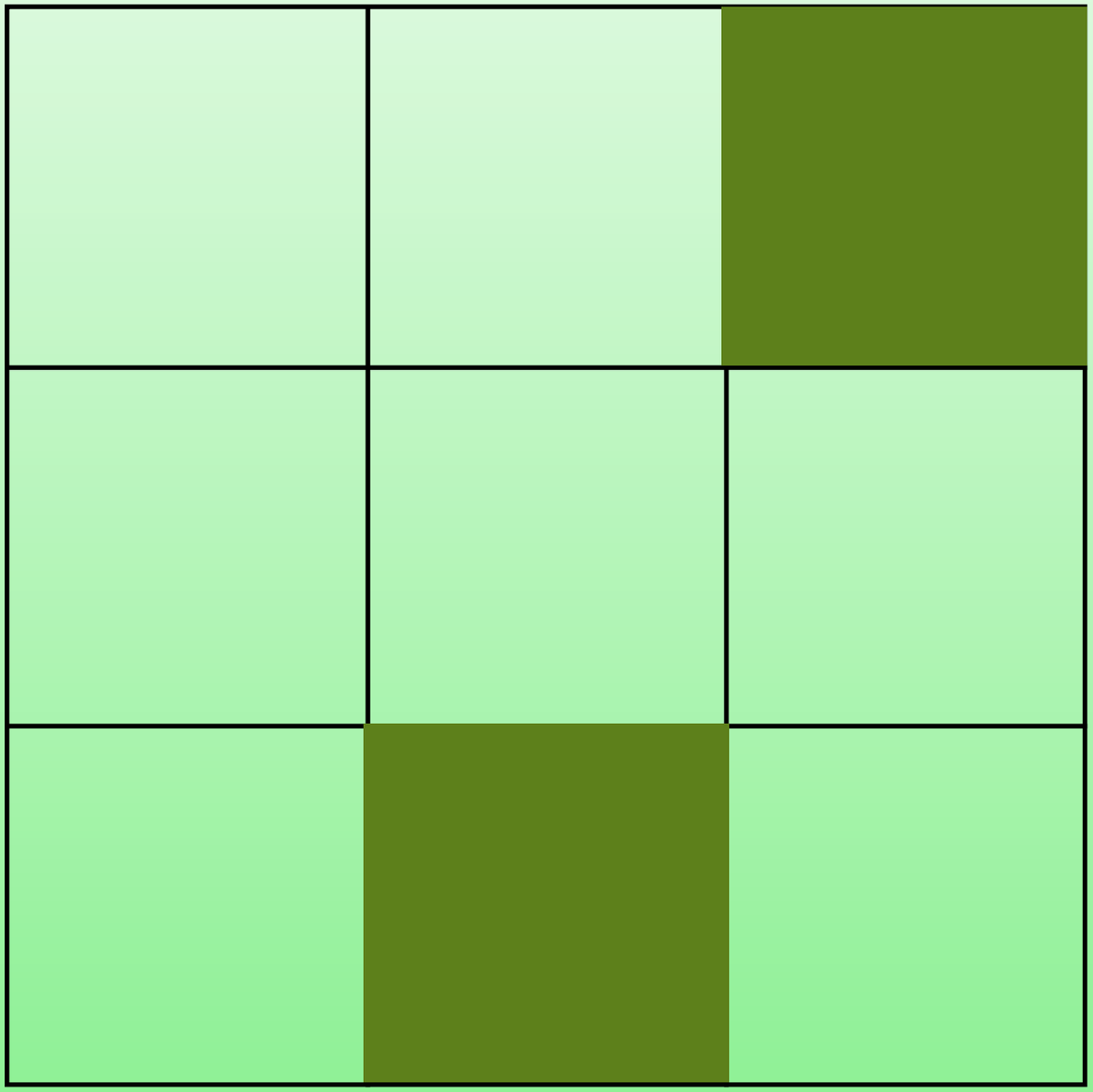


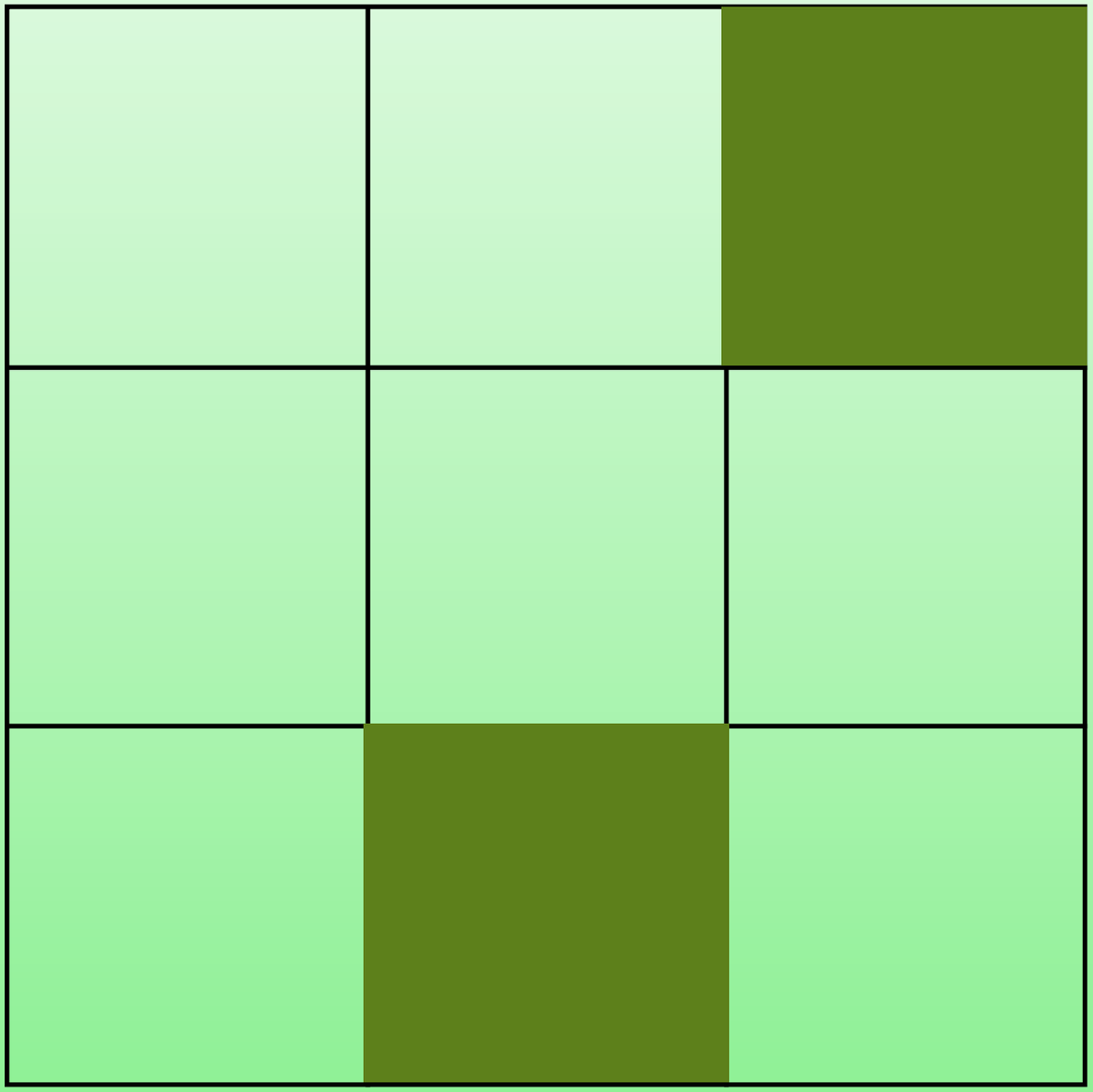
$$\frac{1}{9}$$

7. Fractions



$\frac{1}{9}$

7. Fractions



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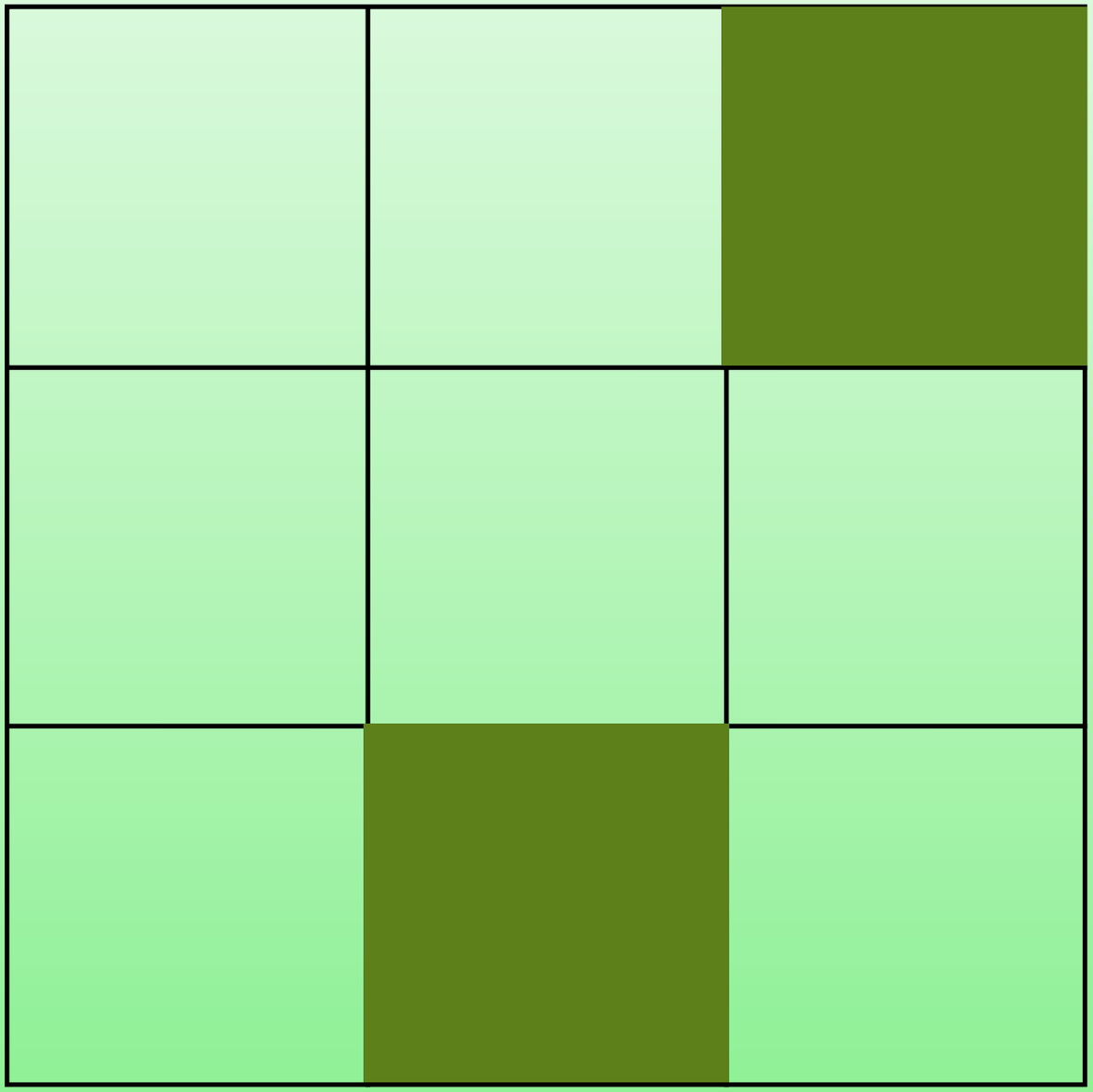
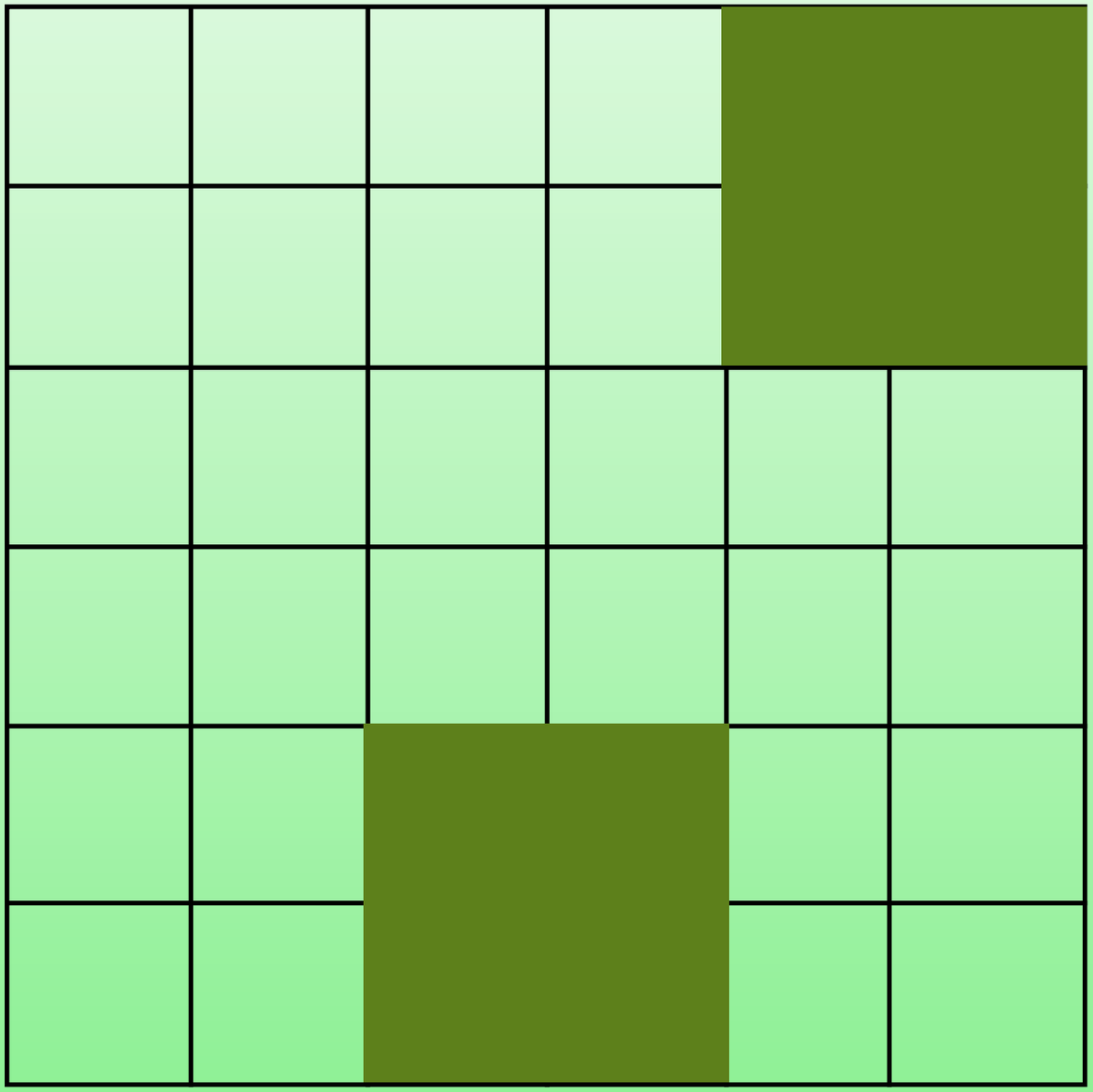


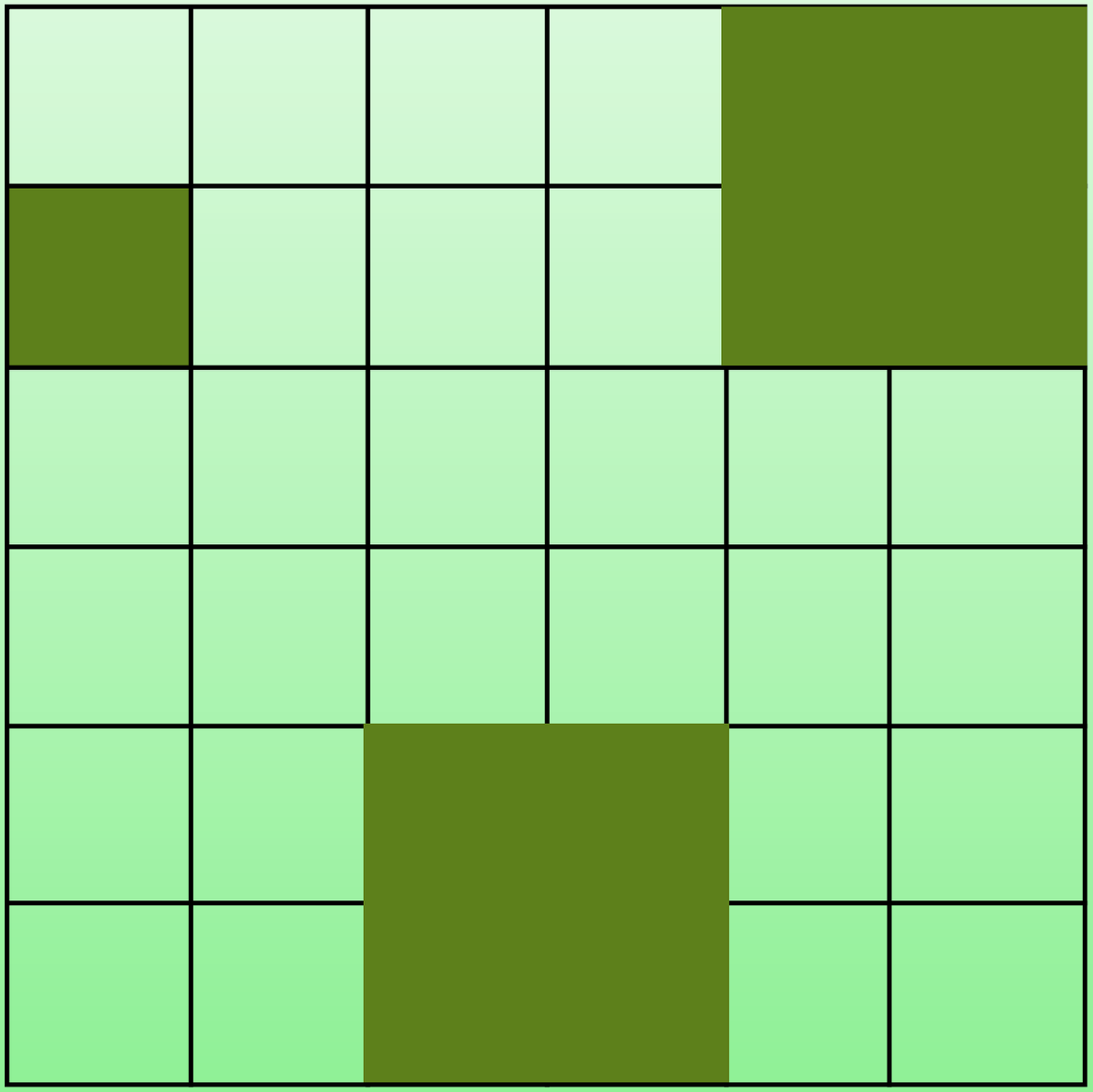
$$\frac{2}{9}$$

7. Fractions



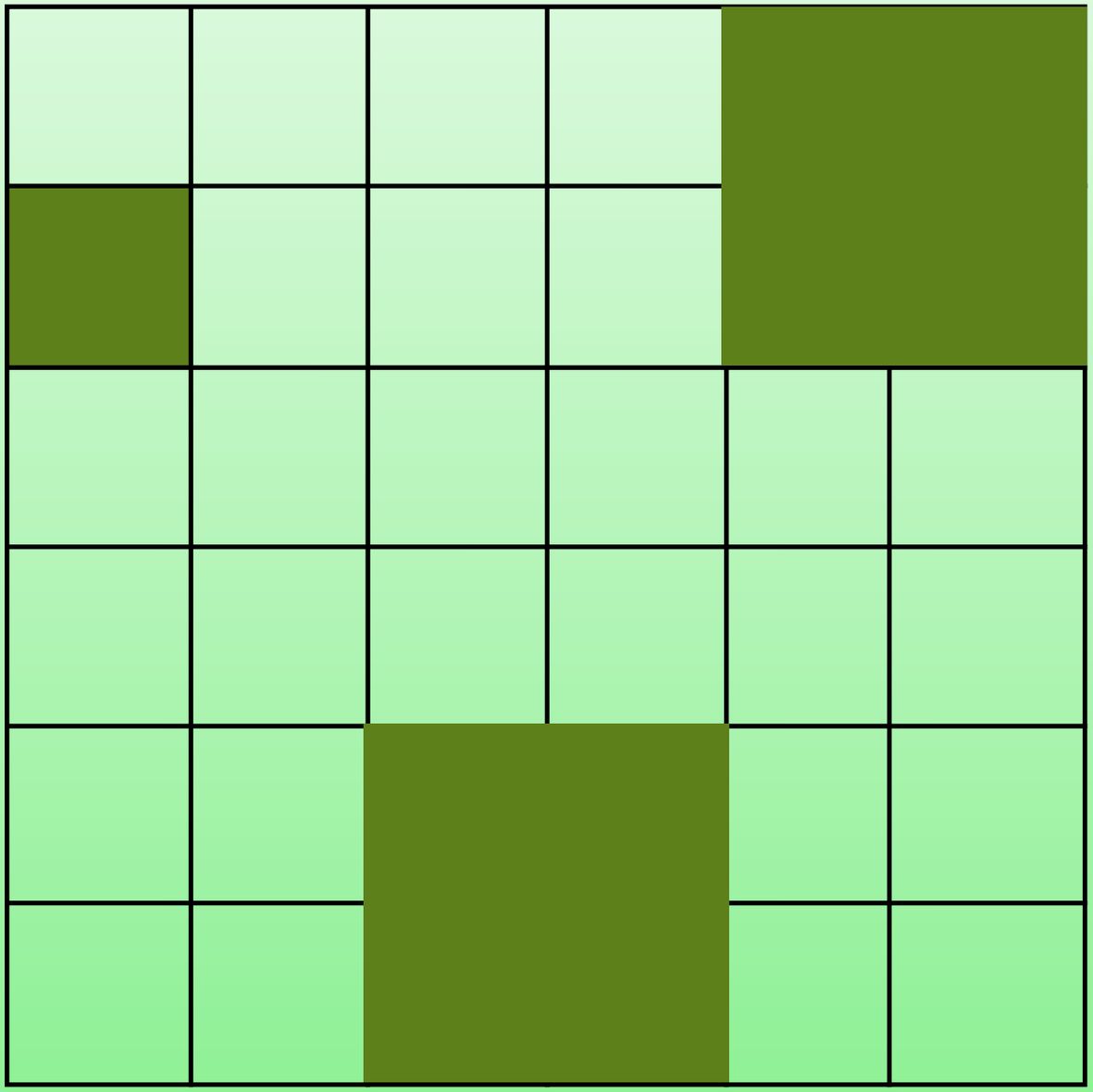
$$\frac{2}{9}$$

7. Fractions



$$\frac{2}{9}$$

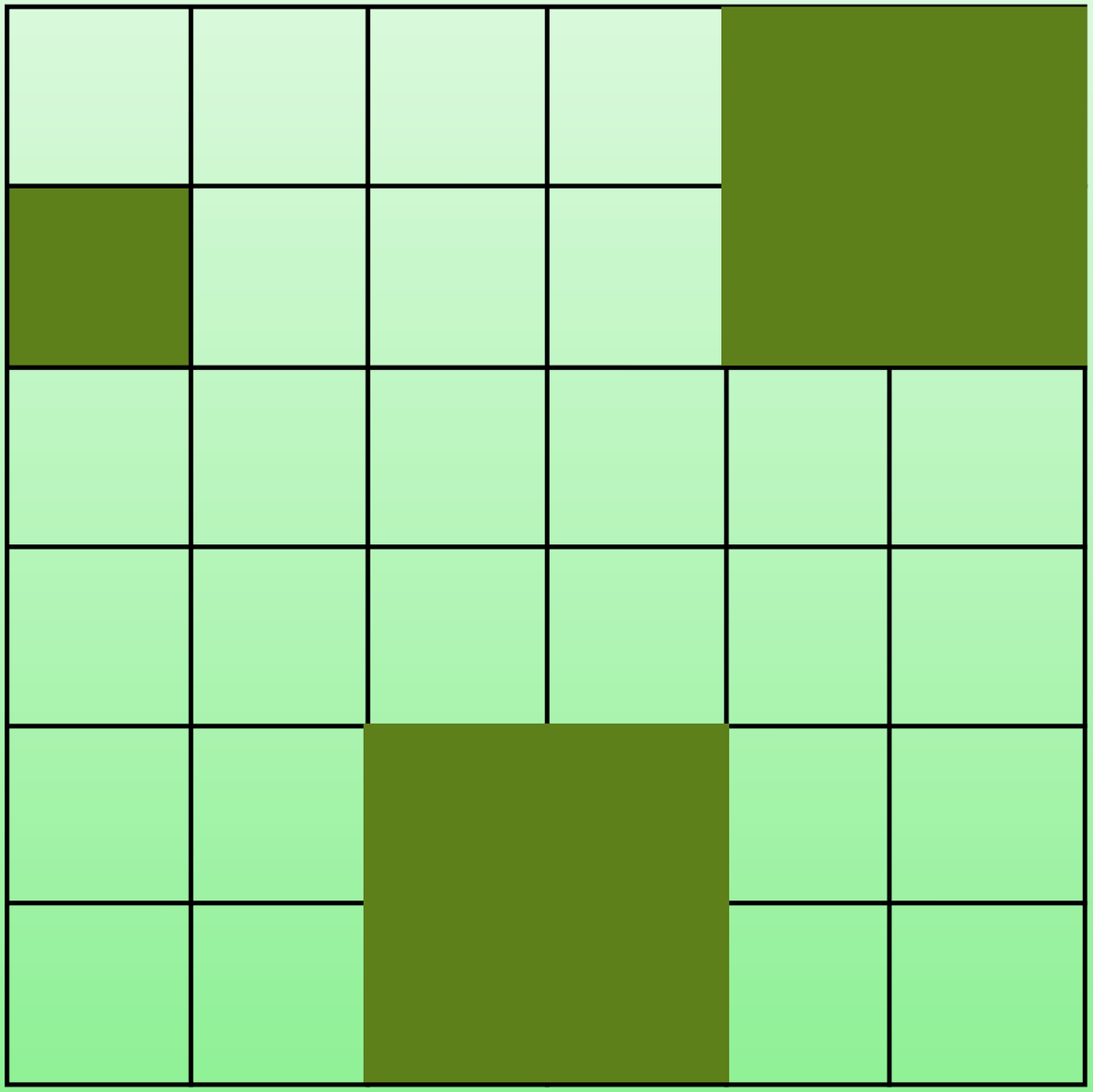
7. Fractions



$$\frac{2}{9}$$

$$\frac{2}{9} + \frac{1}{36} =$$

7. Fractions

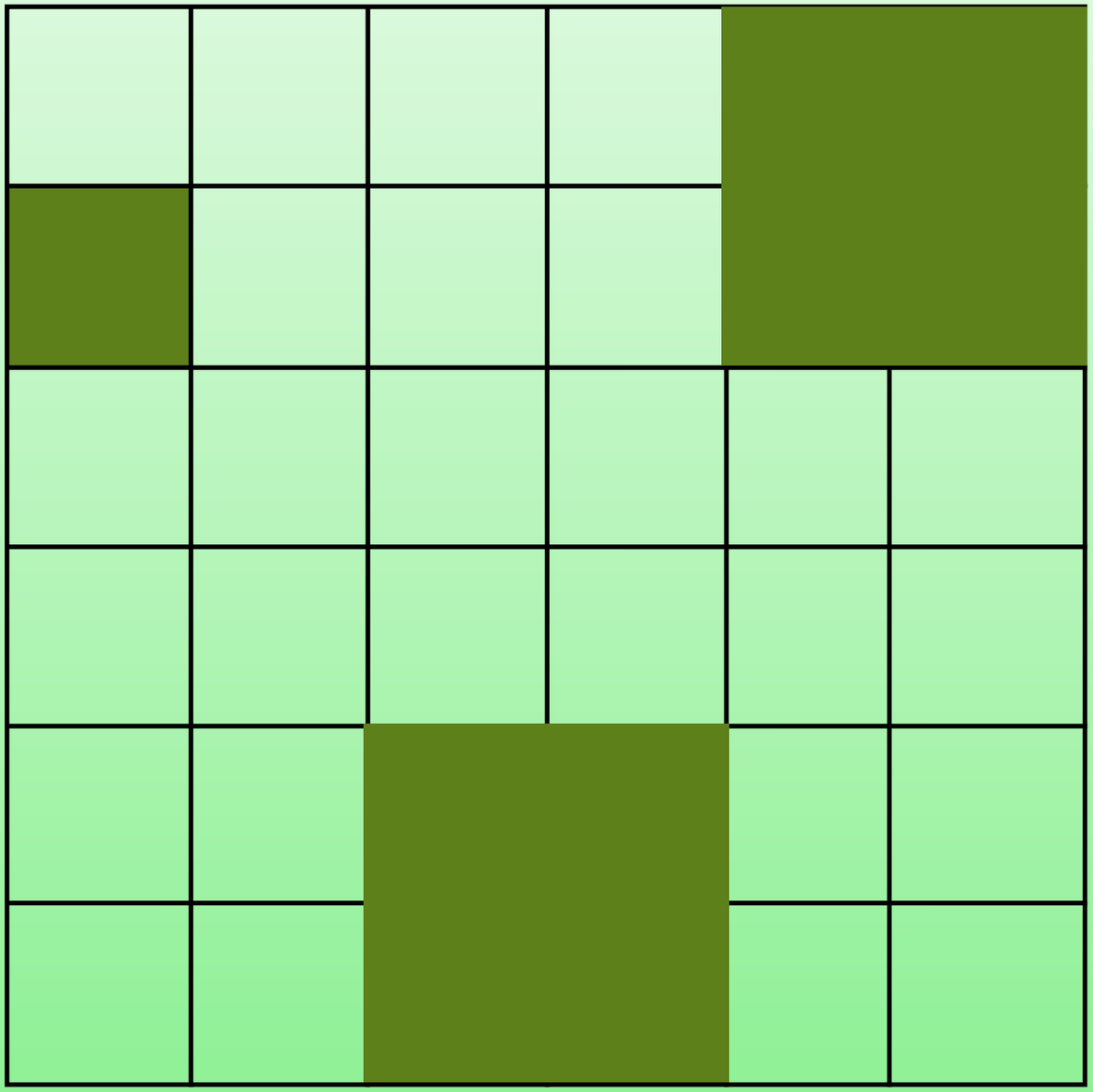


$$\frac{2}{9}$$

$$\frac{2}{9} + \frac{1}{36} =$$

$$\frac{8}{36} + \frac{1}{36} =$$

7. Fractions

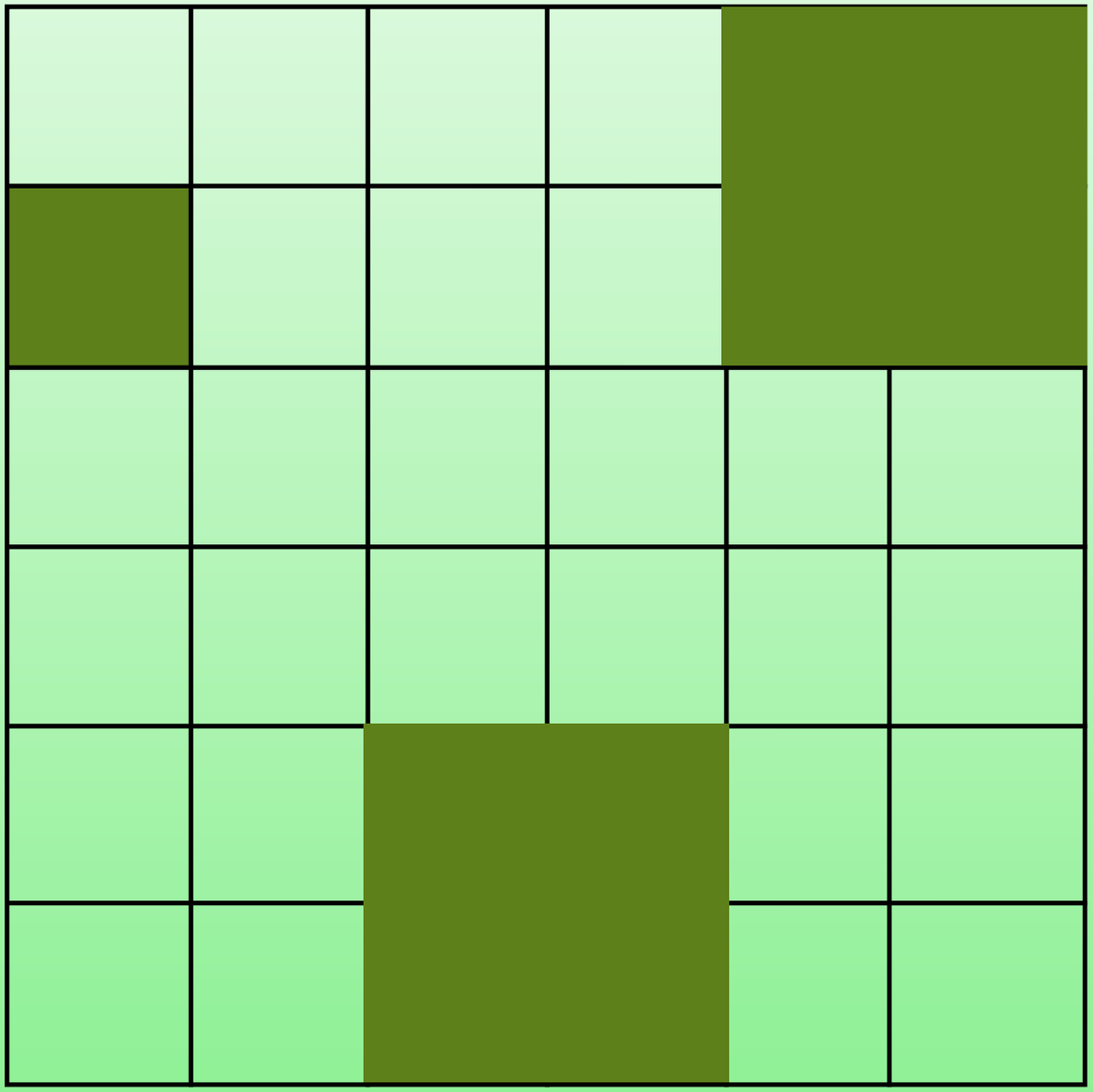


$$\frac{2}{9}$$

$$\frac{2}{9} + \frac{1}{36} =$$

$$\frac{8}{36} + \frac{1}{36} = \frac{9}{36}$$

7. Fractions

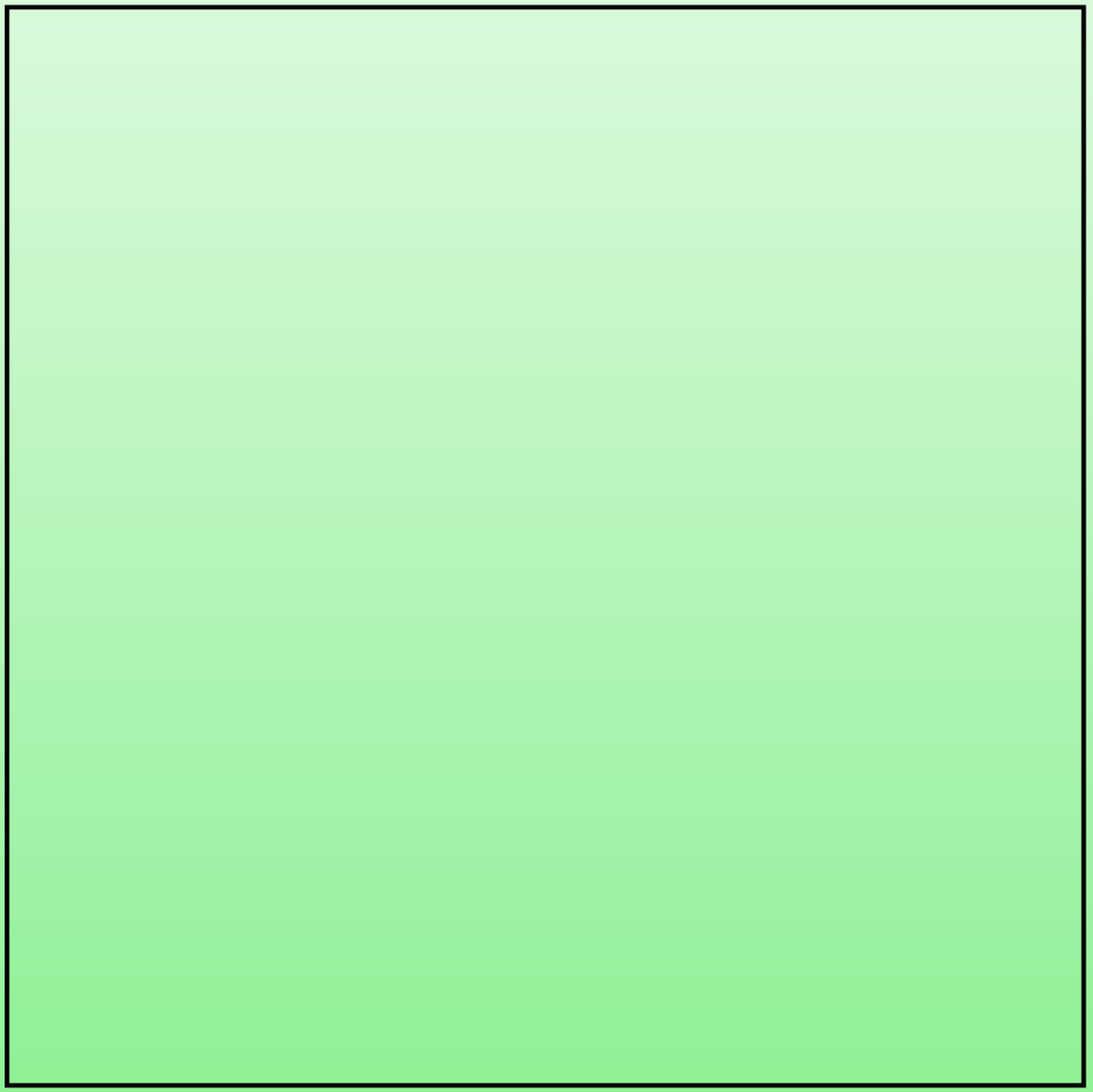


$$\frac{2}{9}$$

$$\frac{2}{9} + \frac{1}{36} =$$

$$\frac{8}{36} + \frac{1}{36} = \frac{9}{36} = \frac{1}{4}$$

7. Fractions



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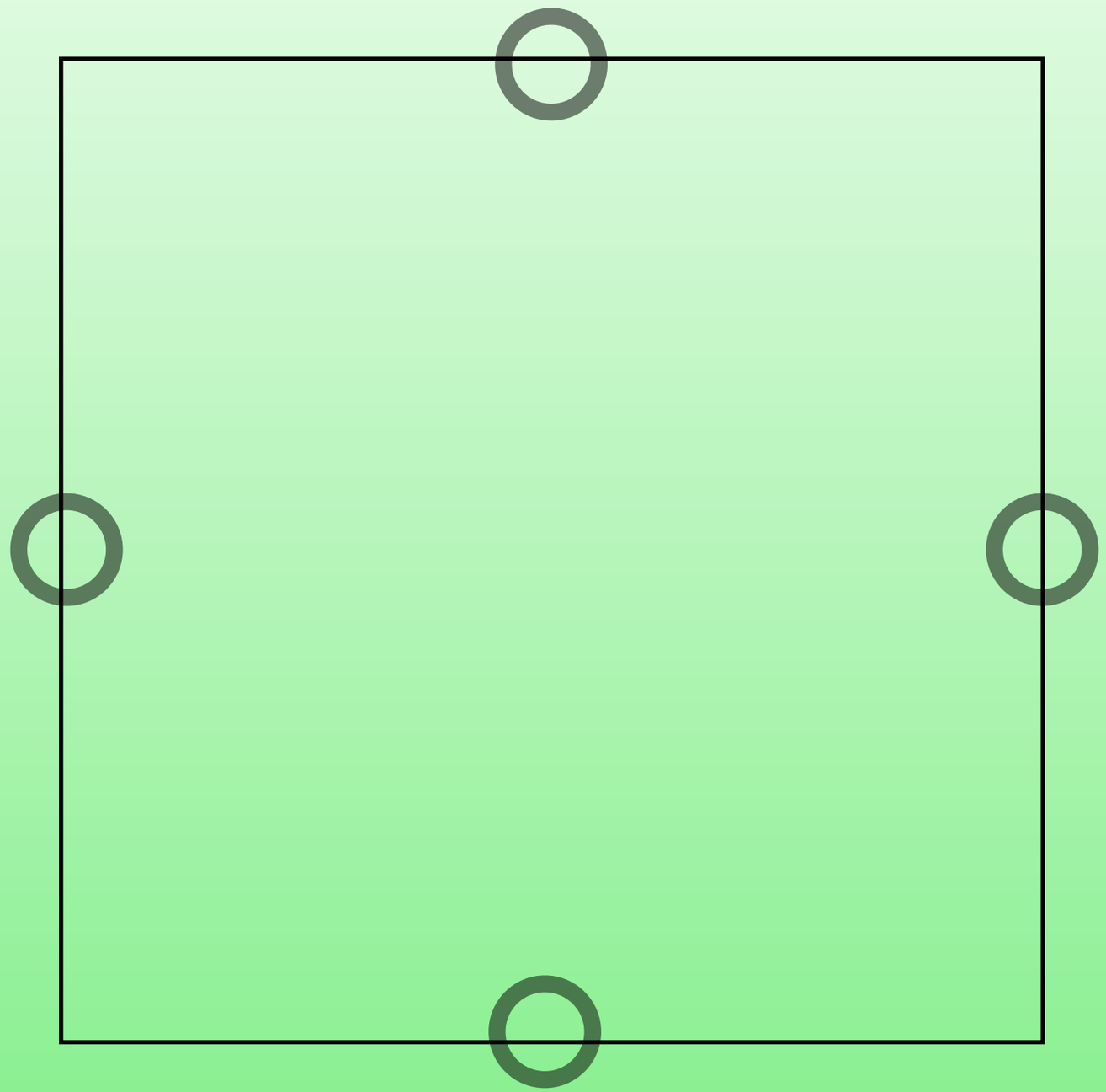

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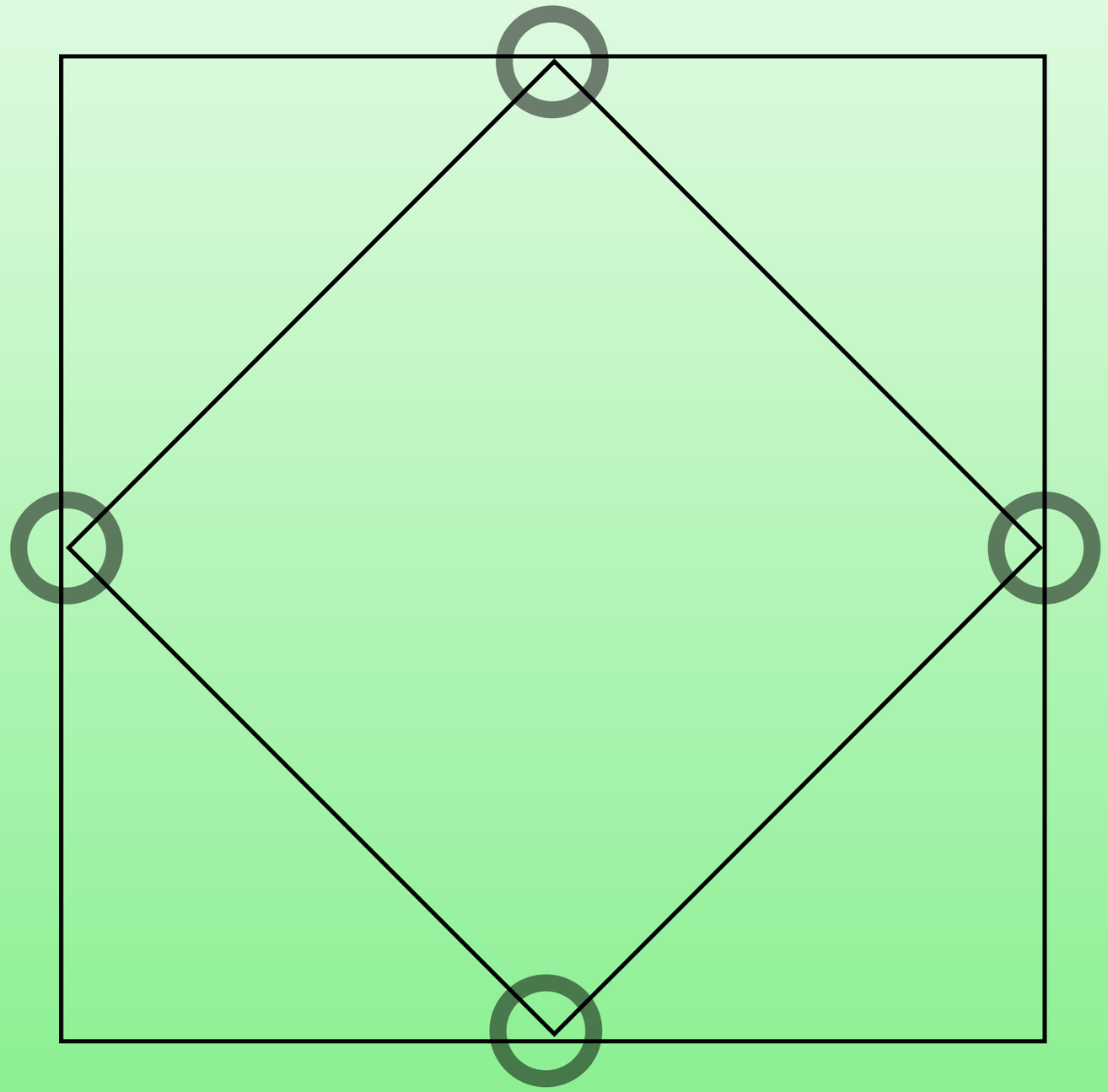

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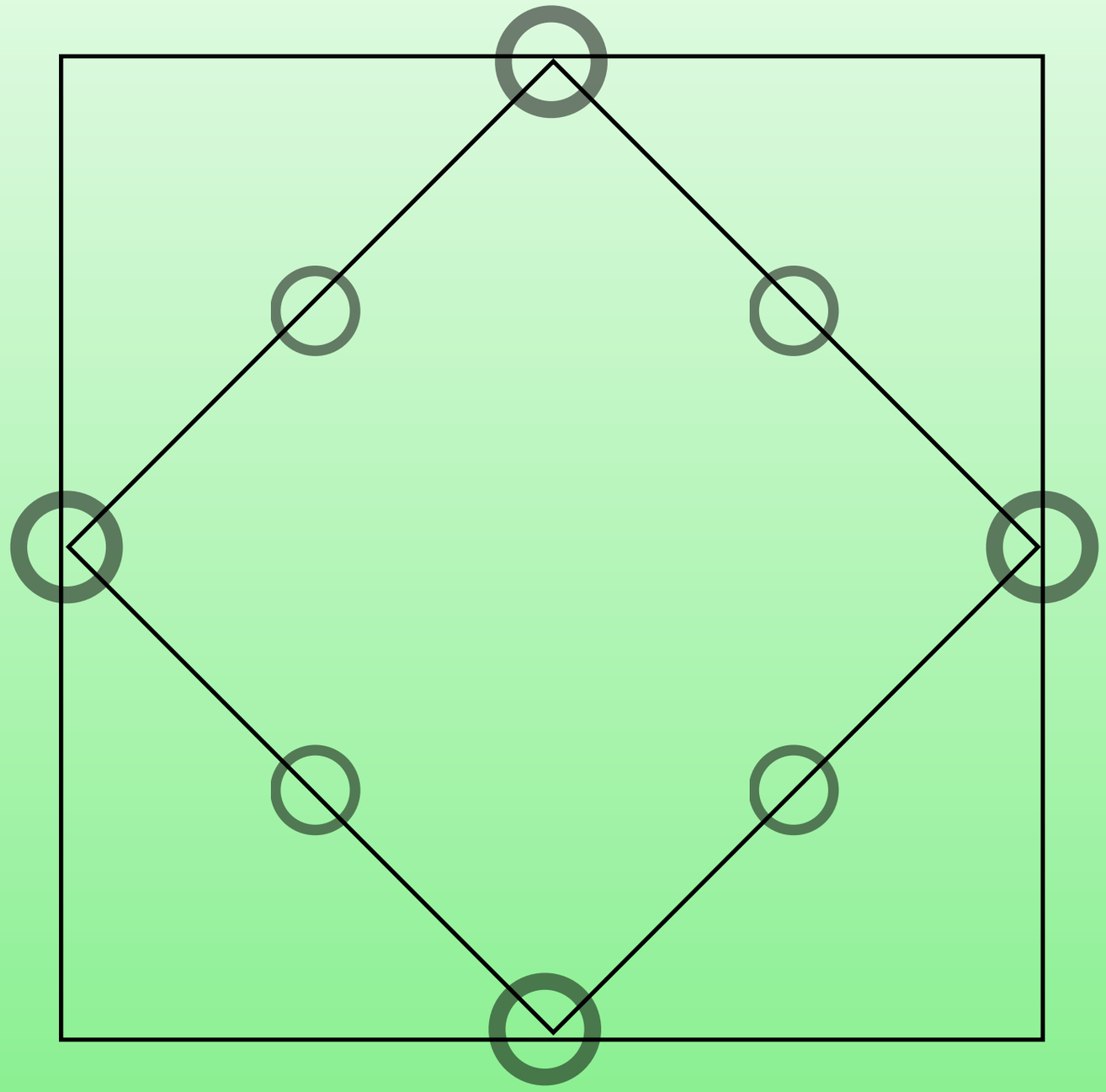

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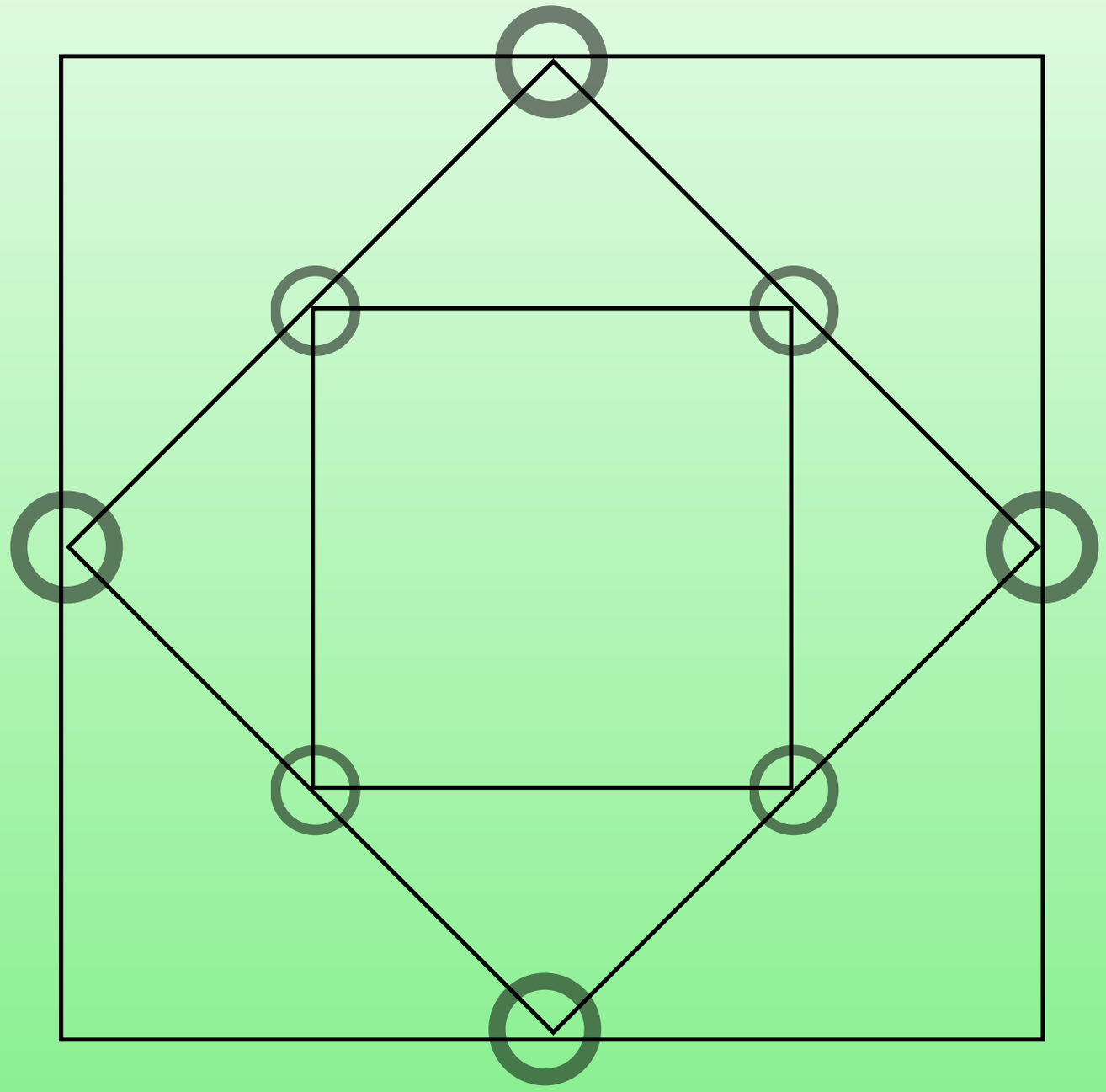

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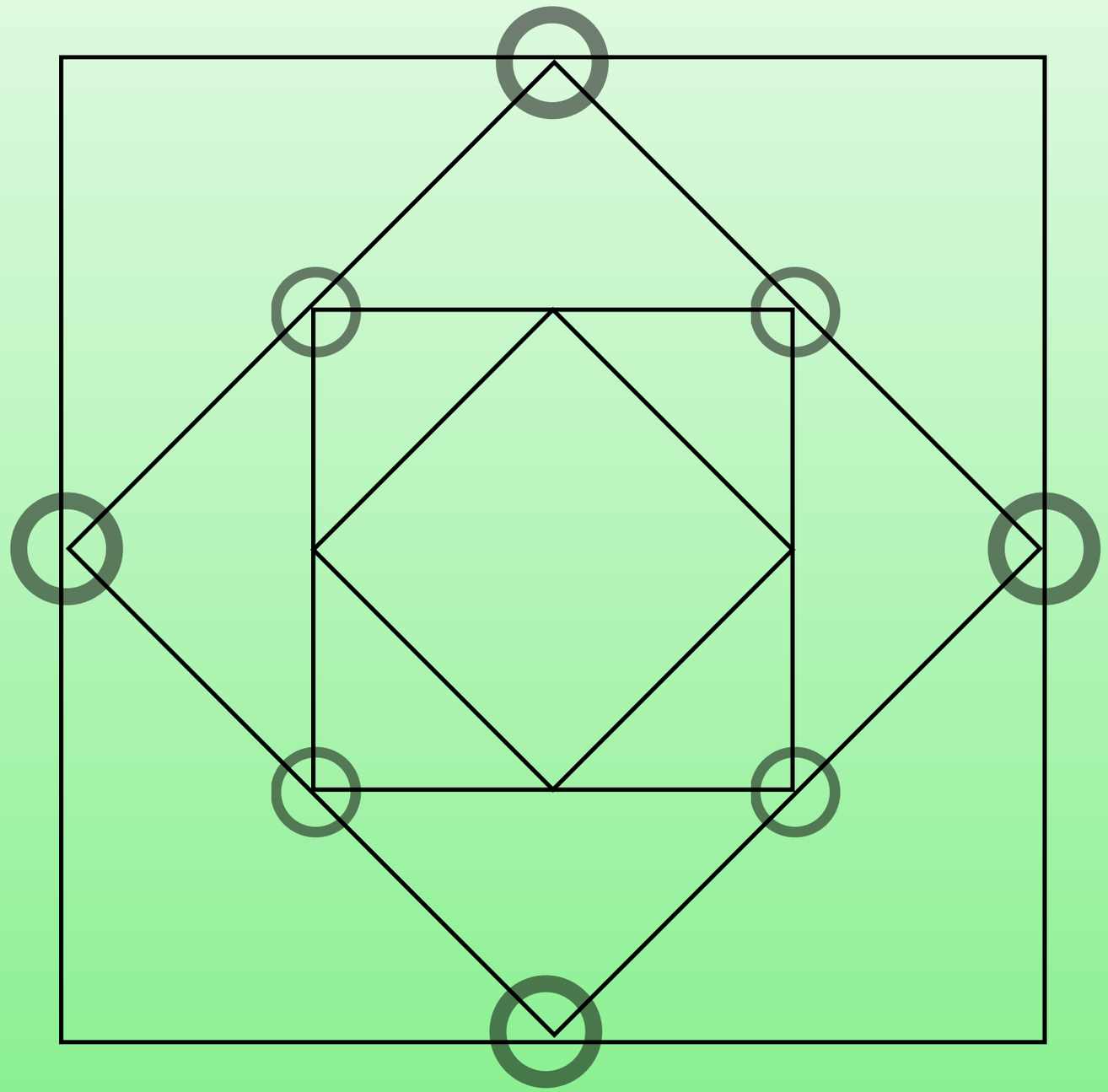

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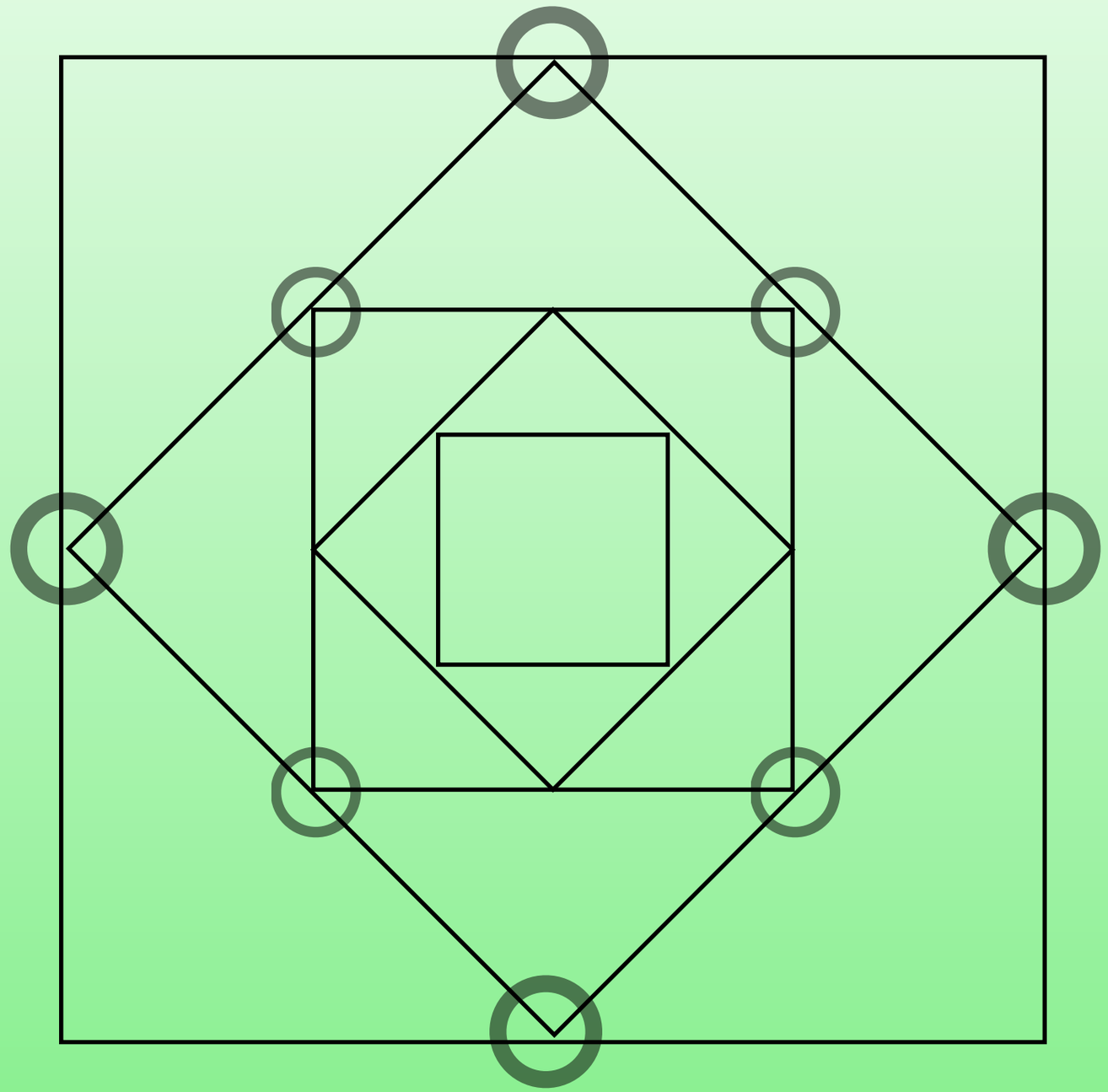

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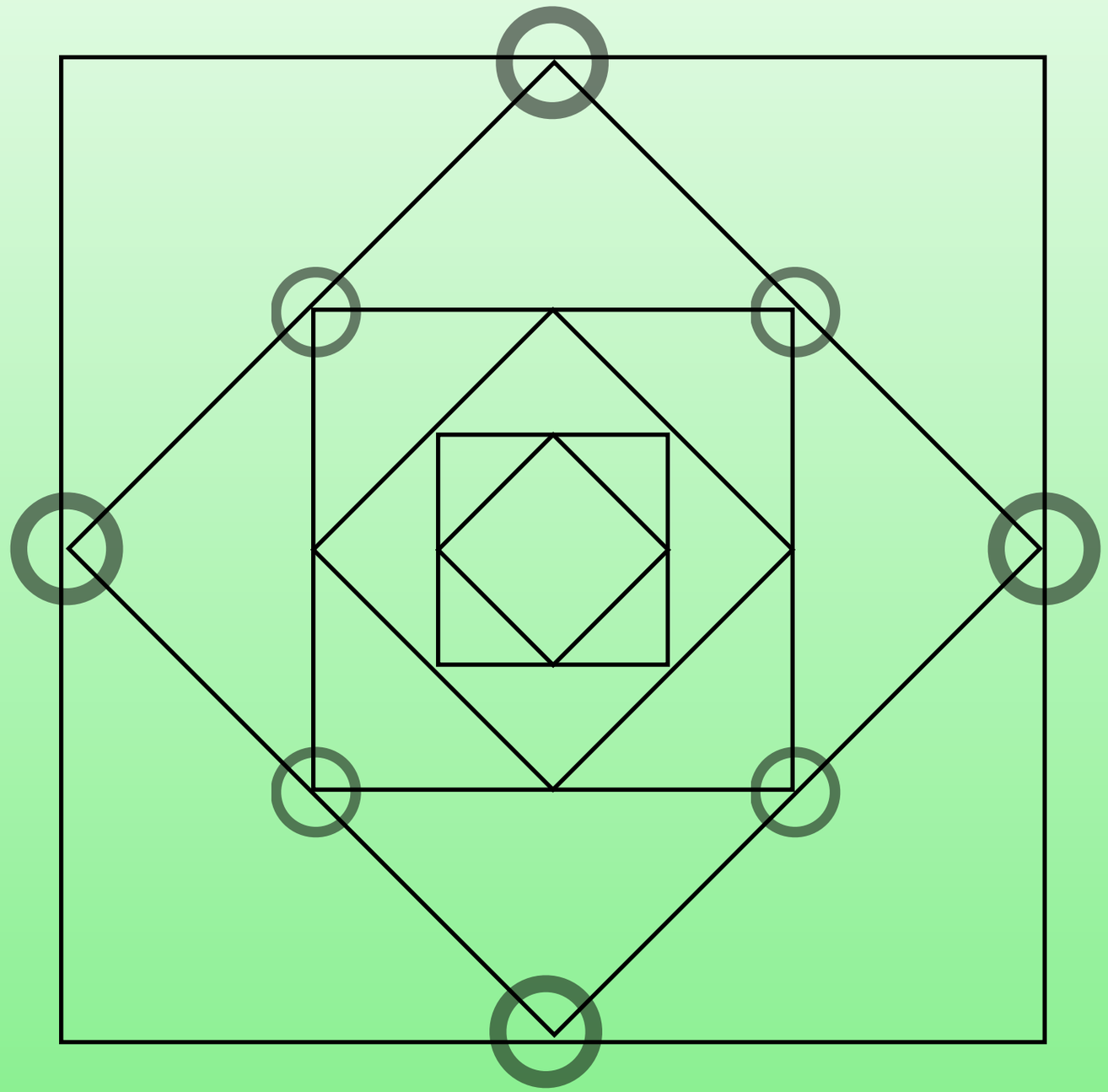

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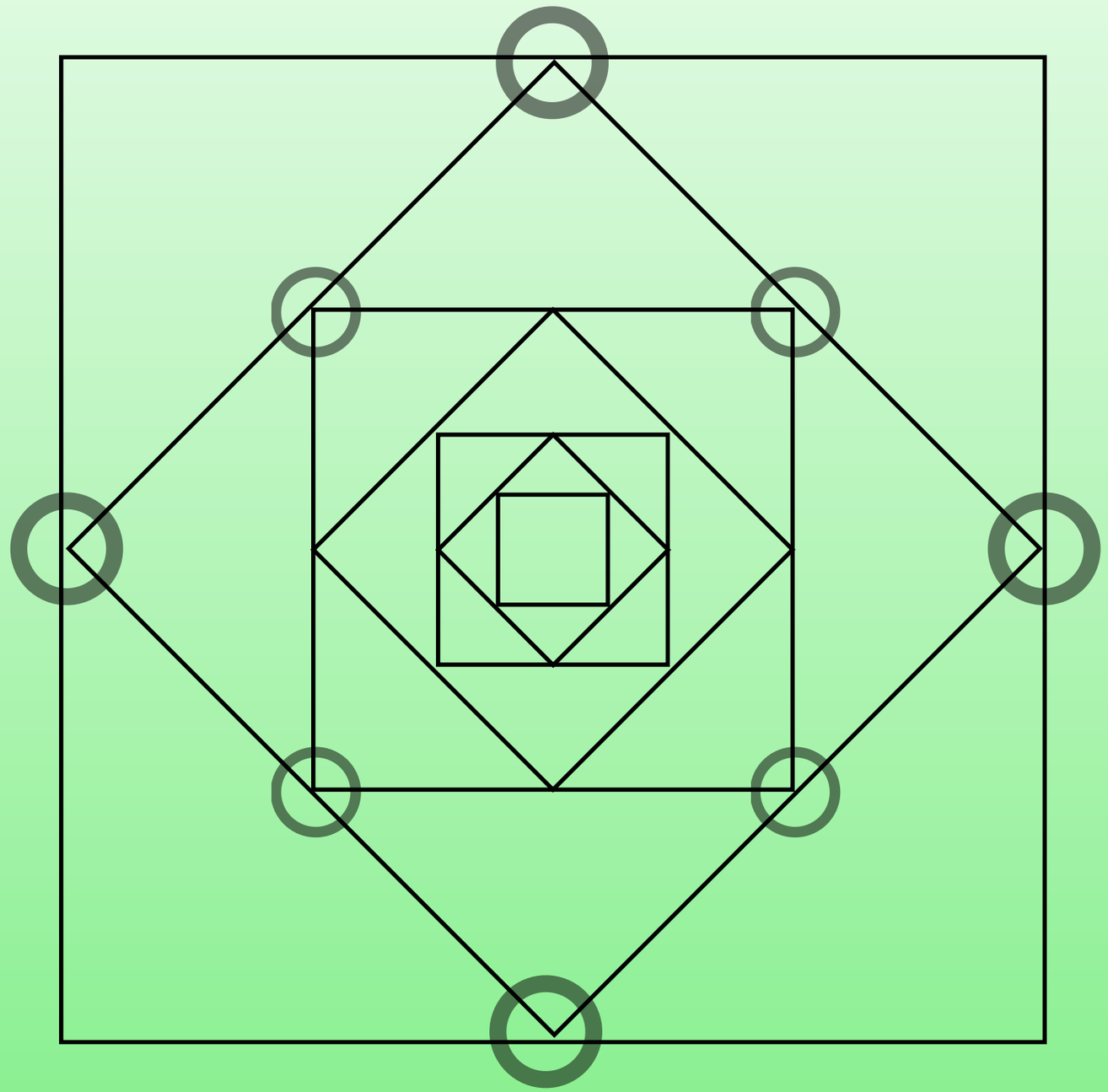

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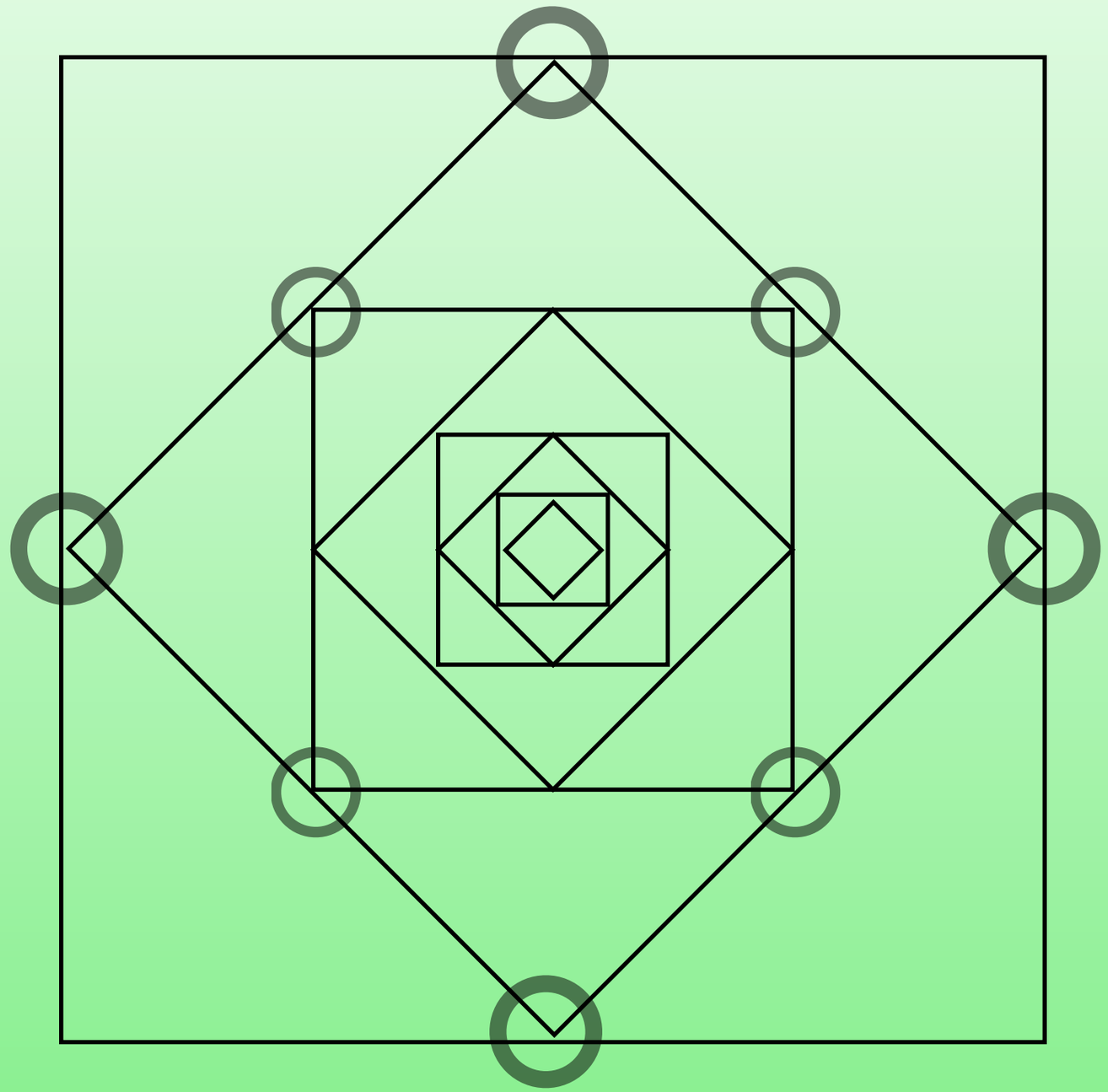

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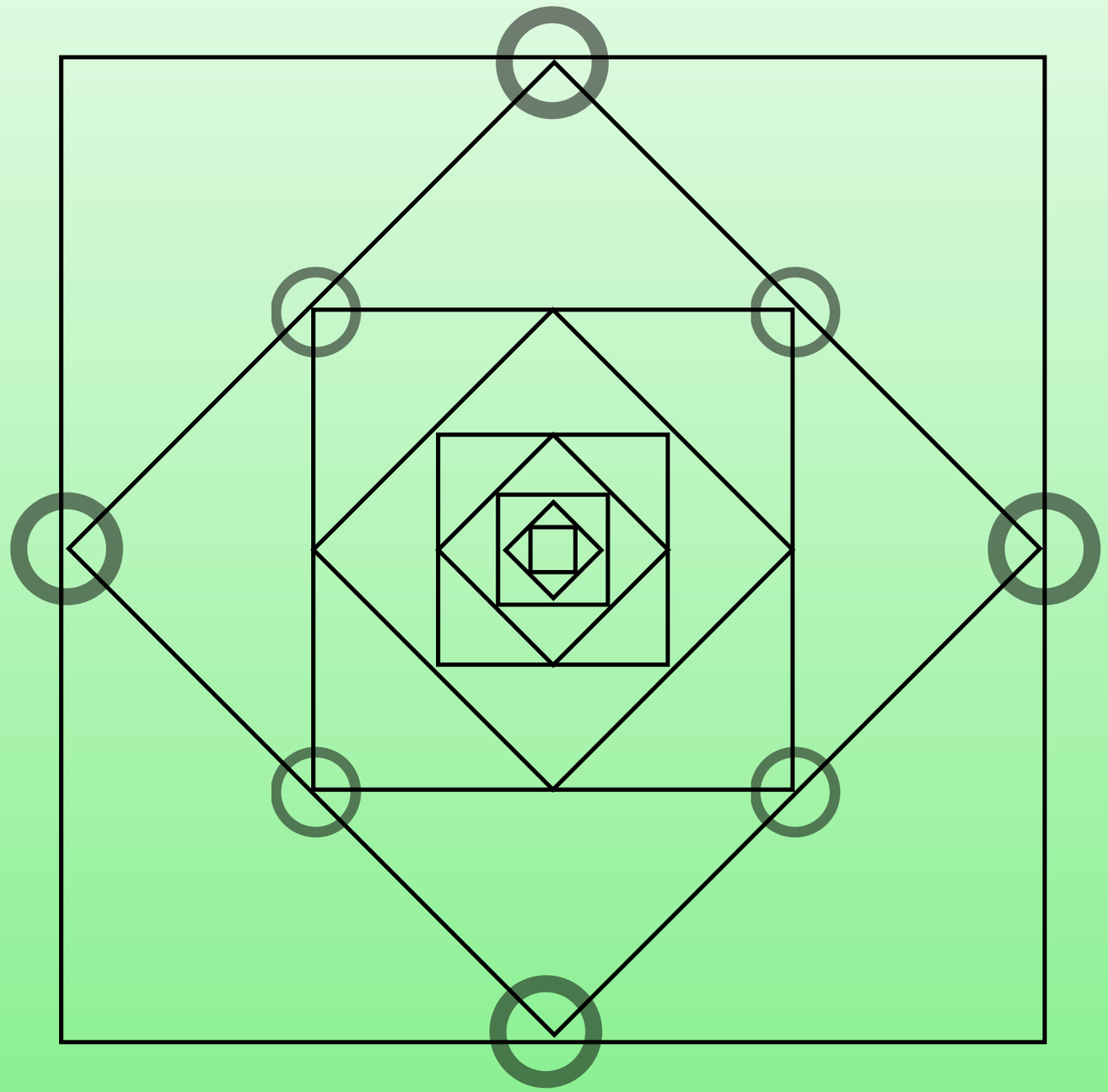

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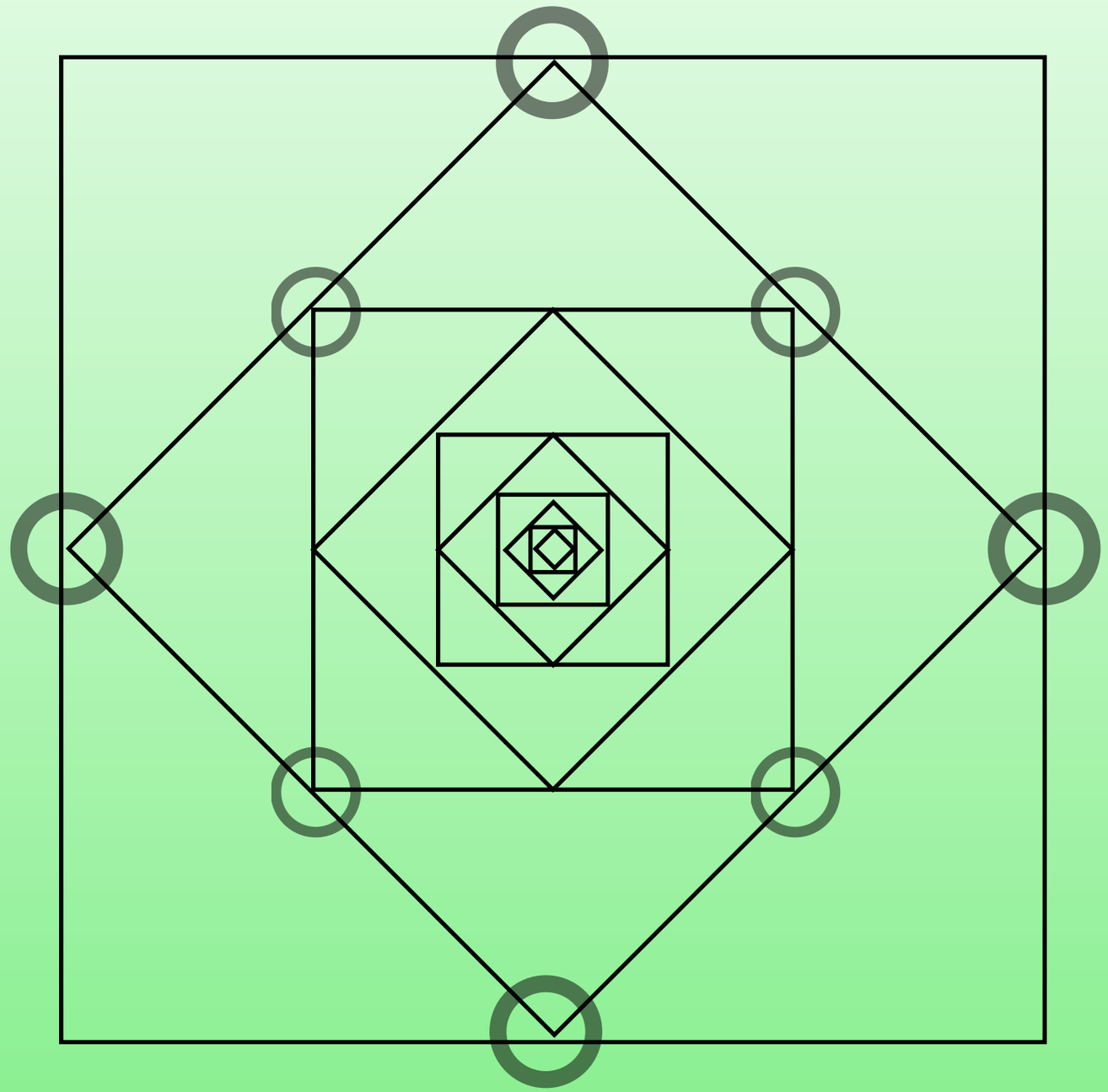

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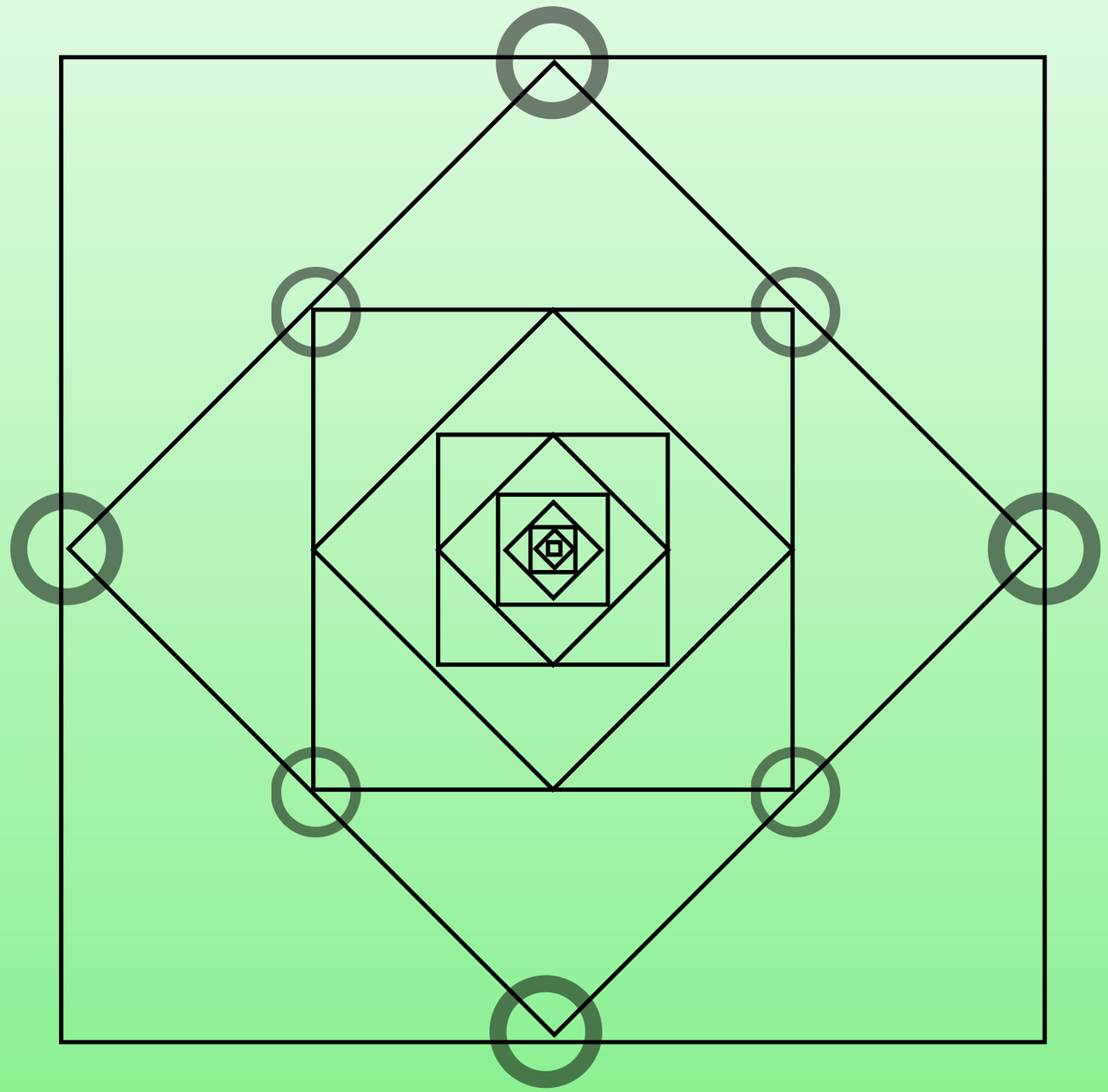

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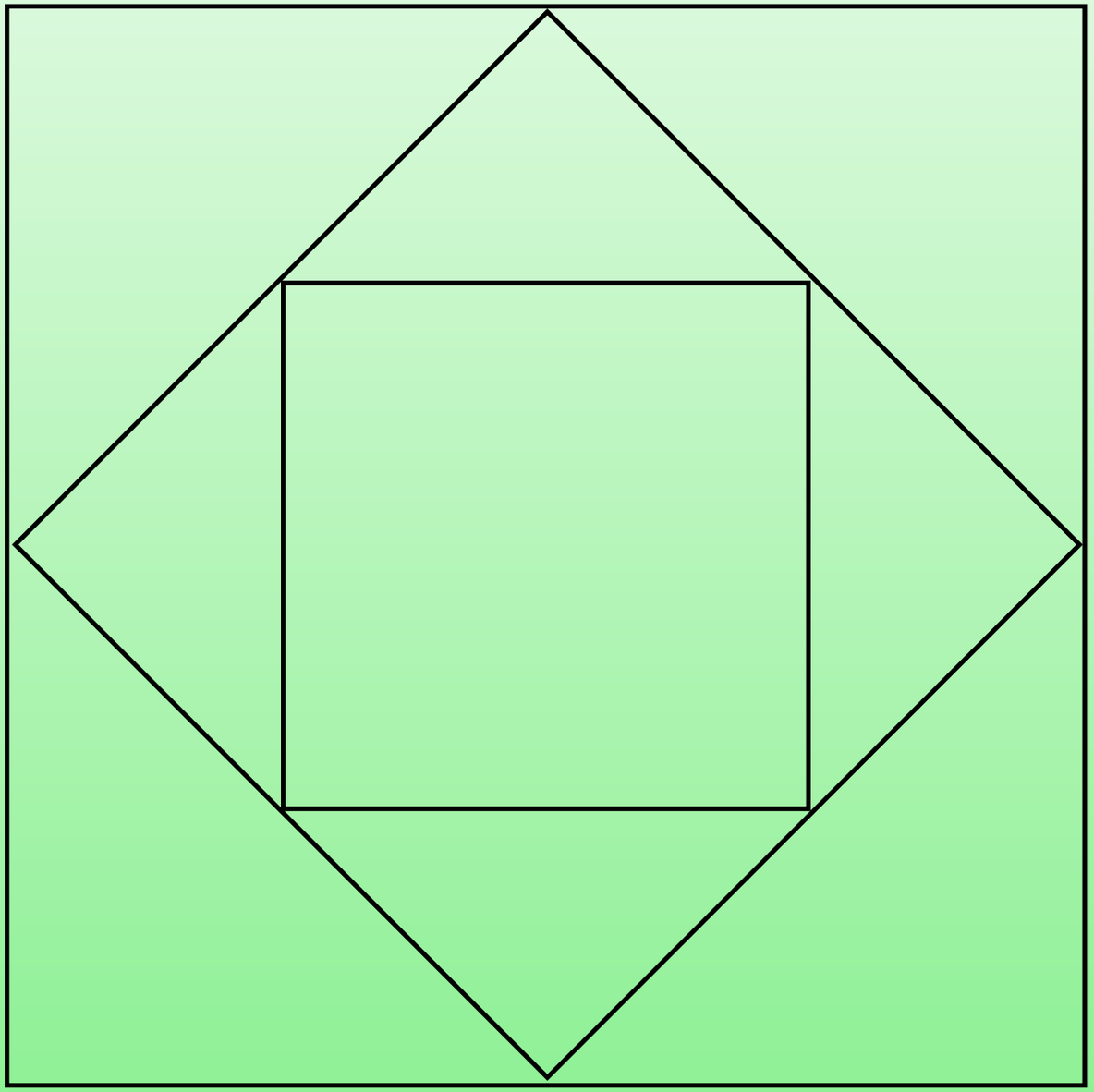

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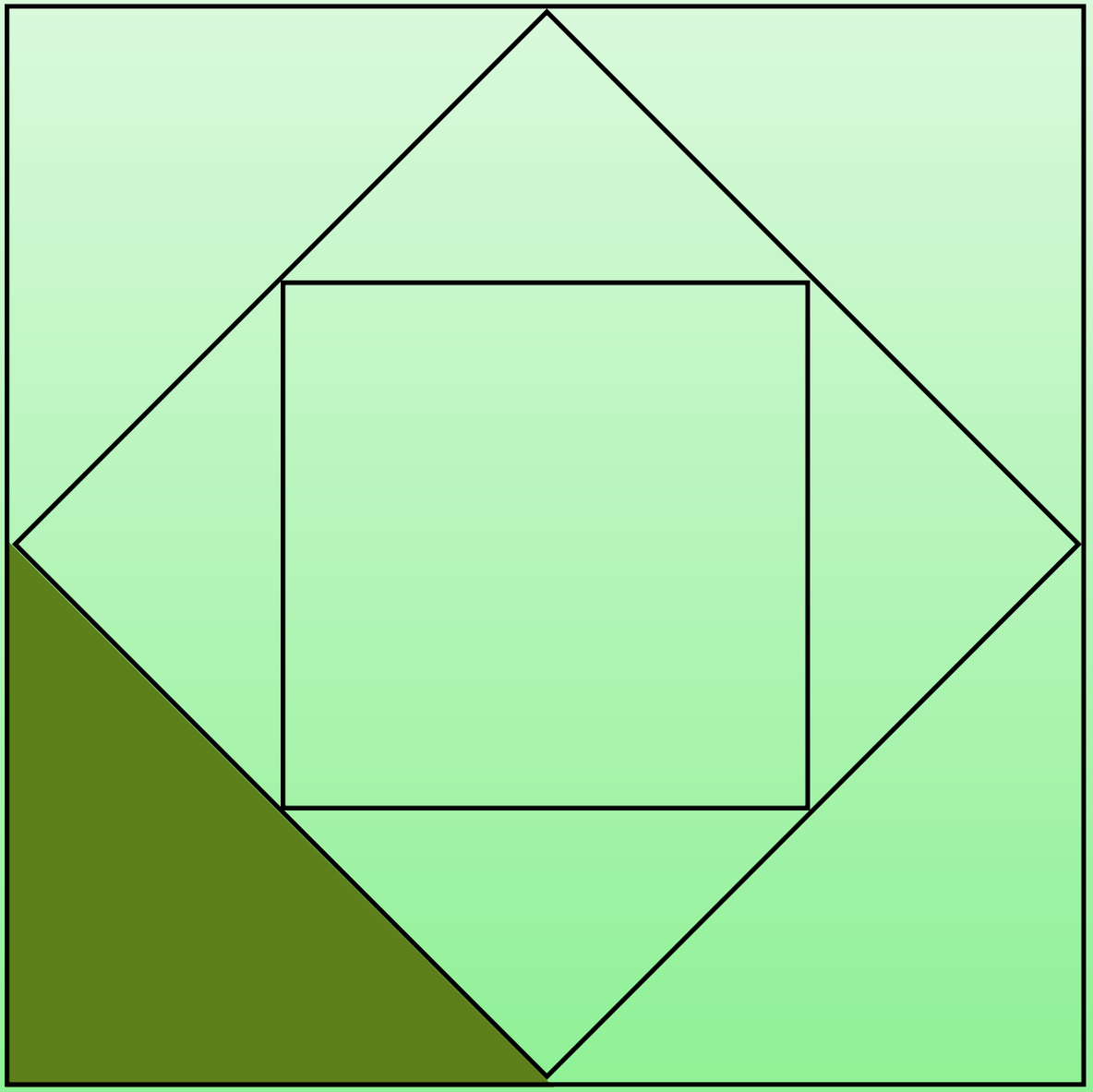

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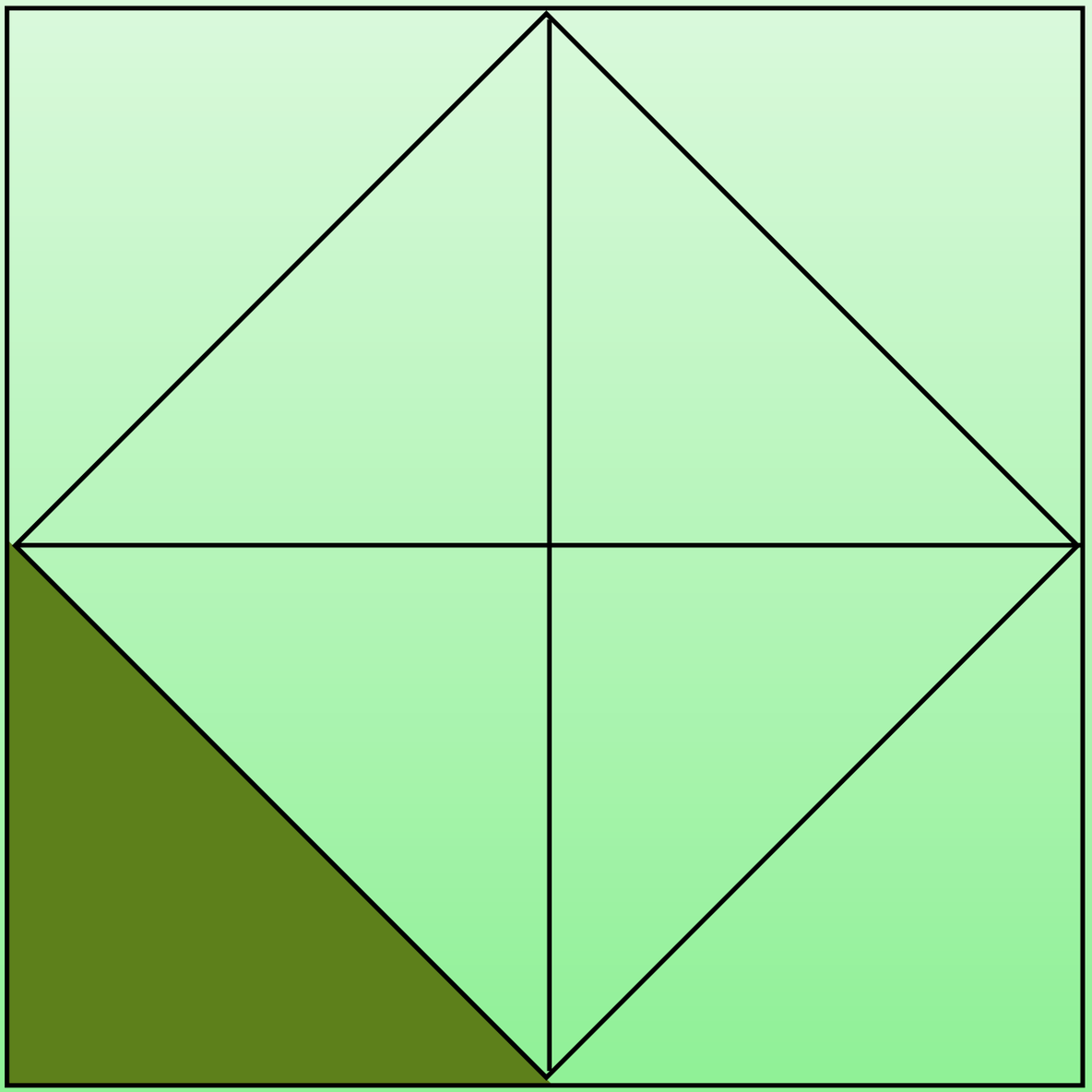

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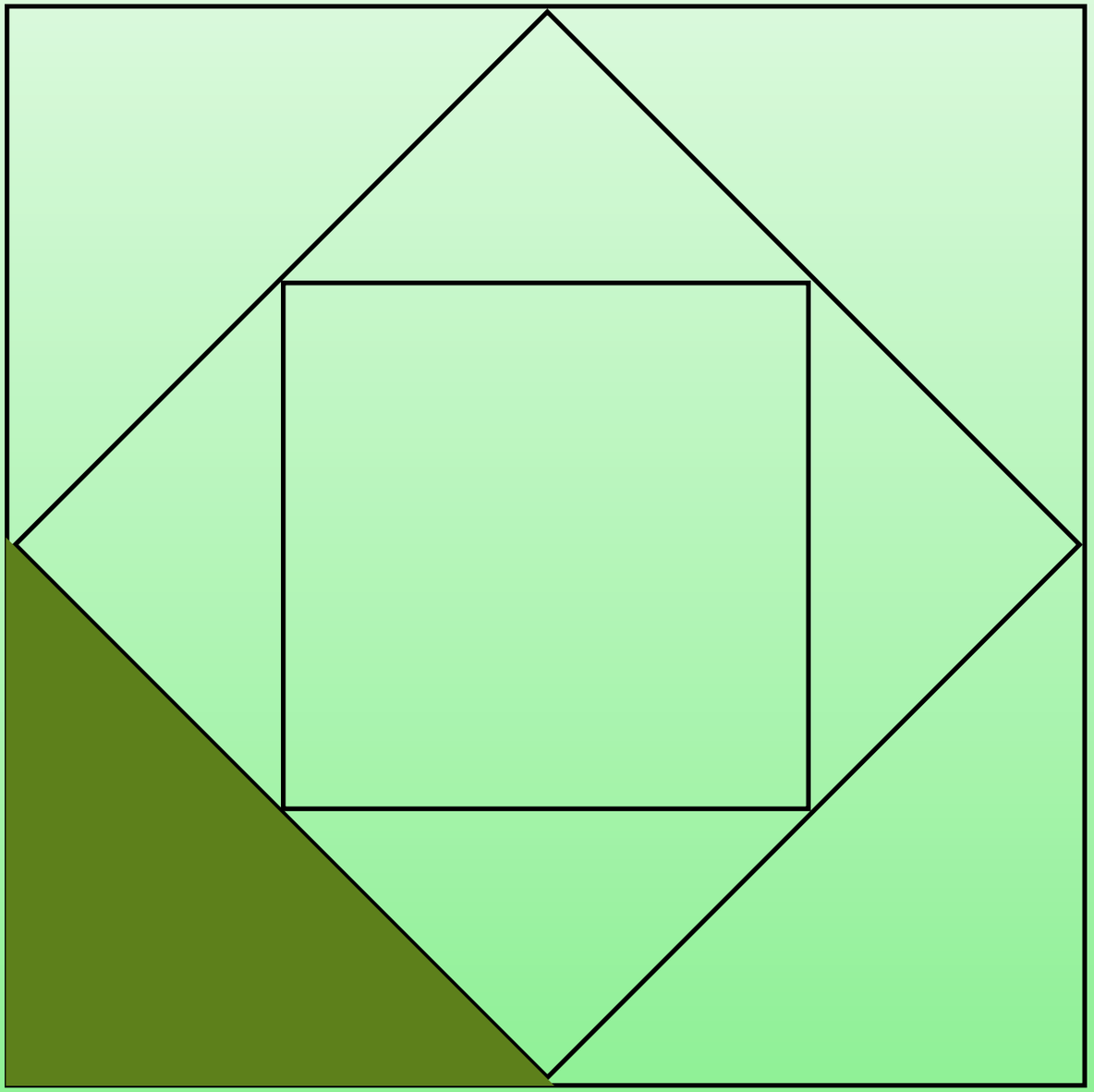
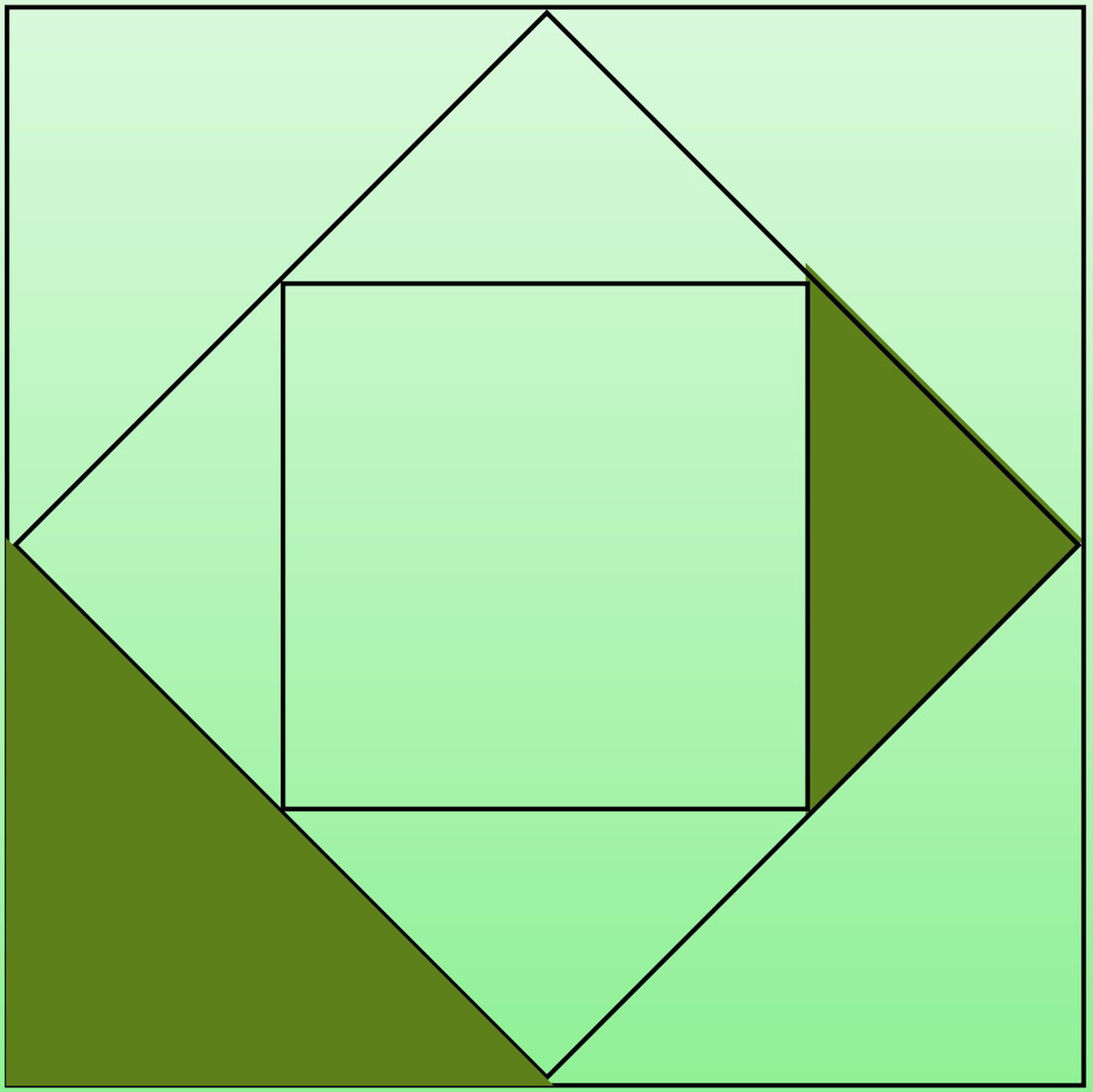


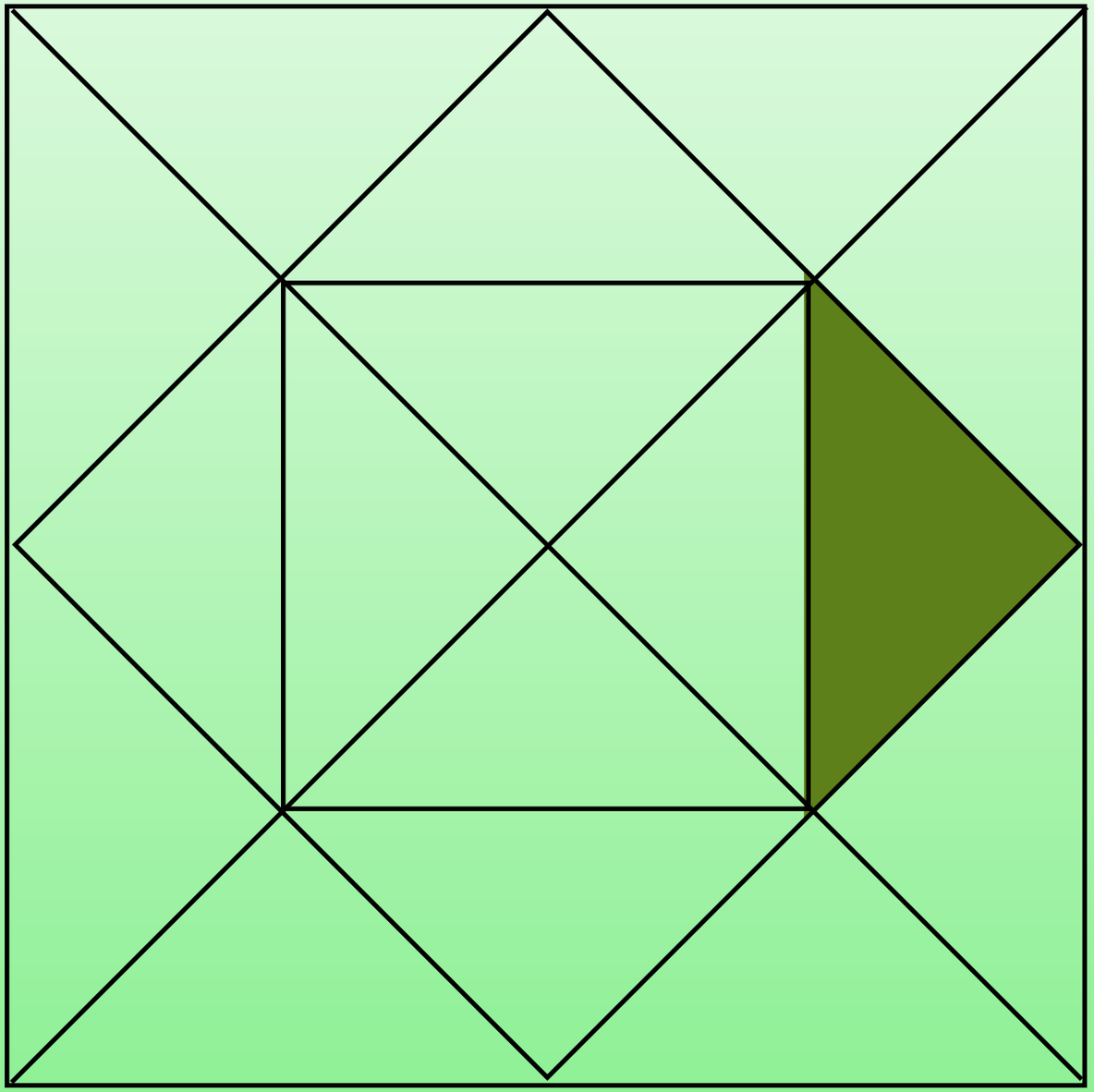
$\frac{1}{8}$

7. Fractions



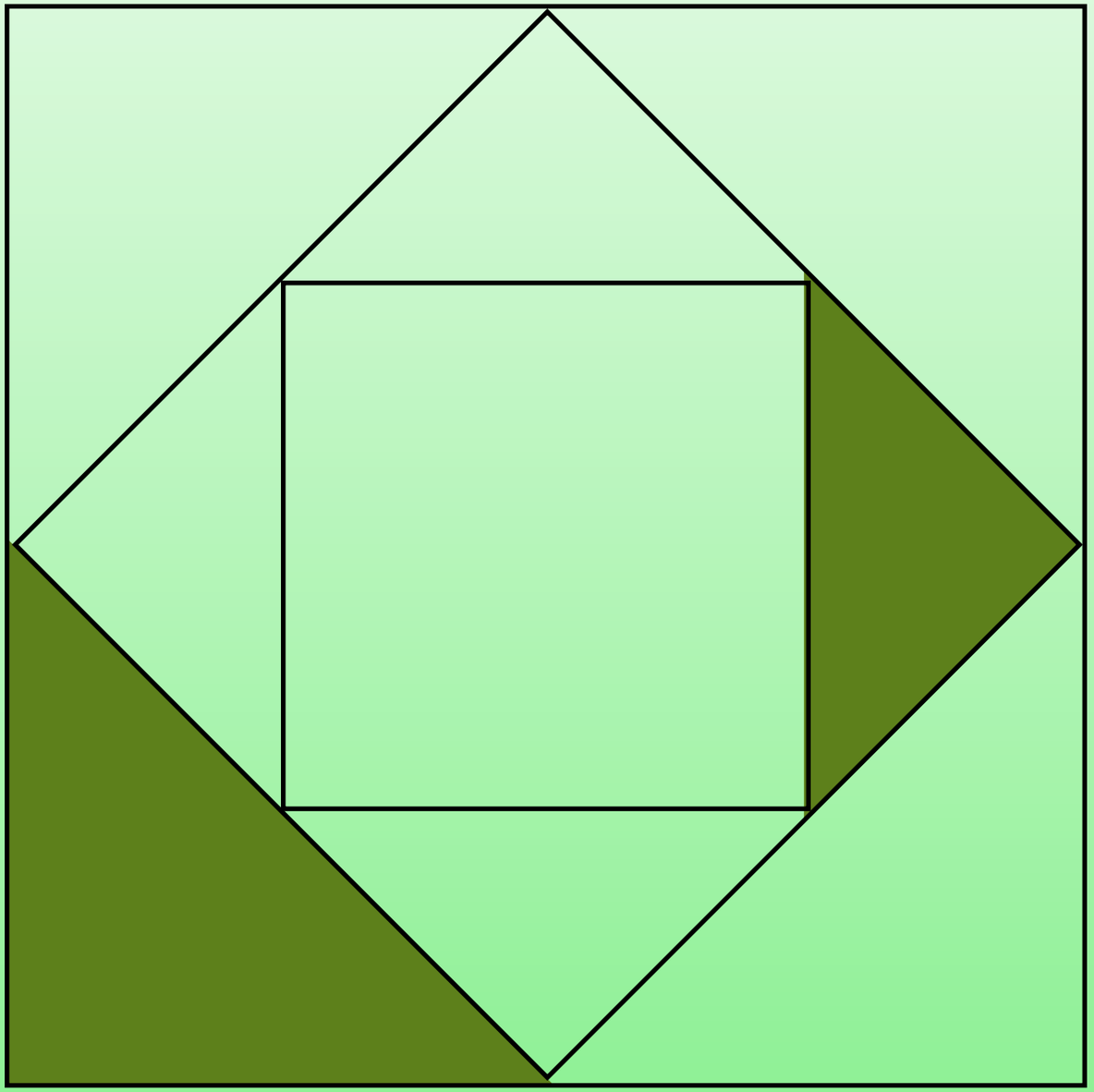
$\frac{1}{8}$

7. Fractions



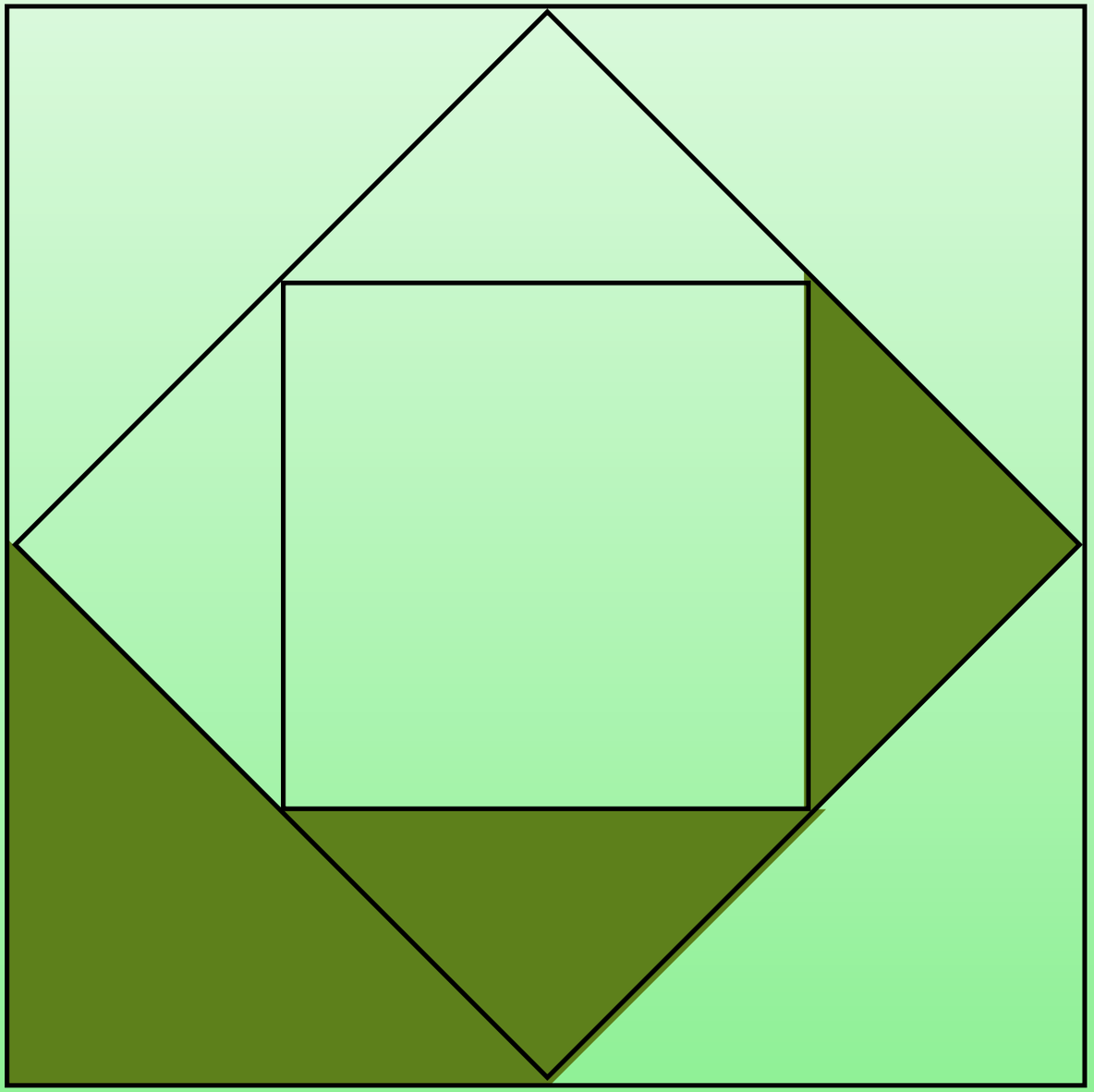
$\frac{1}{8}$

7. Fractions



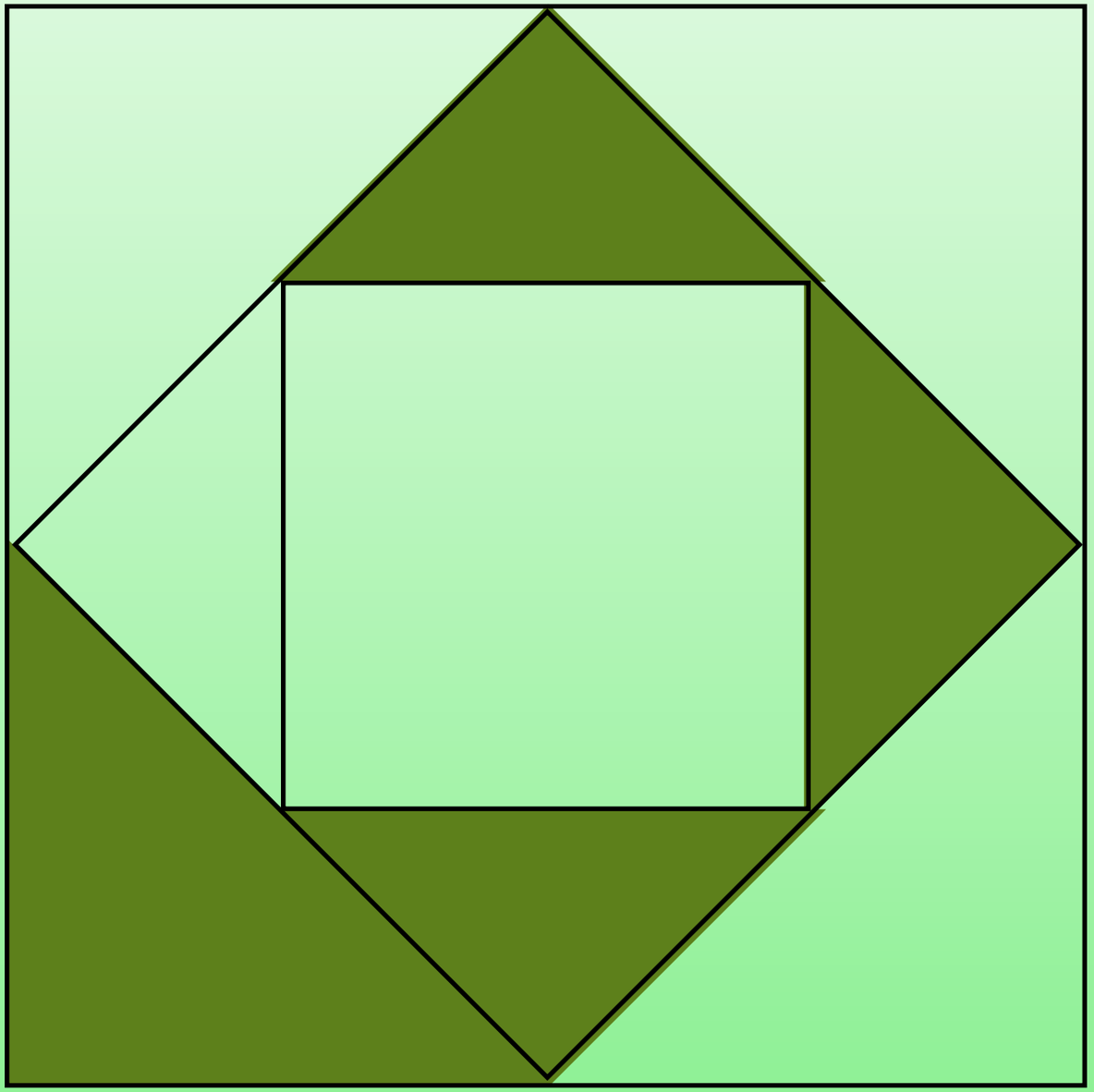
$\frac{1}{8}$

7. Fractions



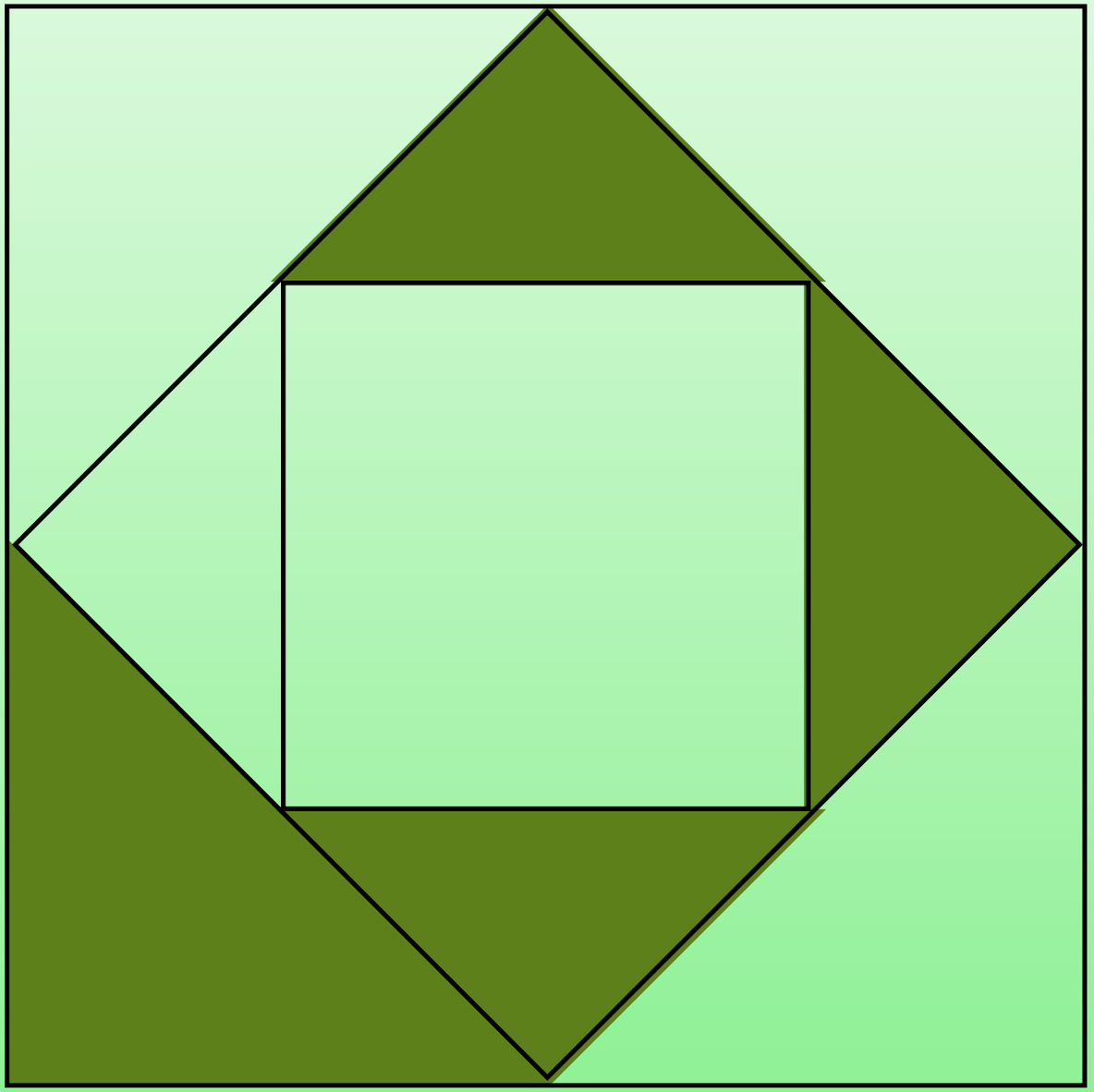
$\frac{1}{8}$

7. Fractions



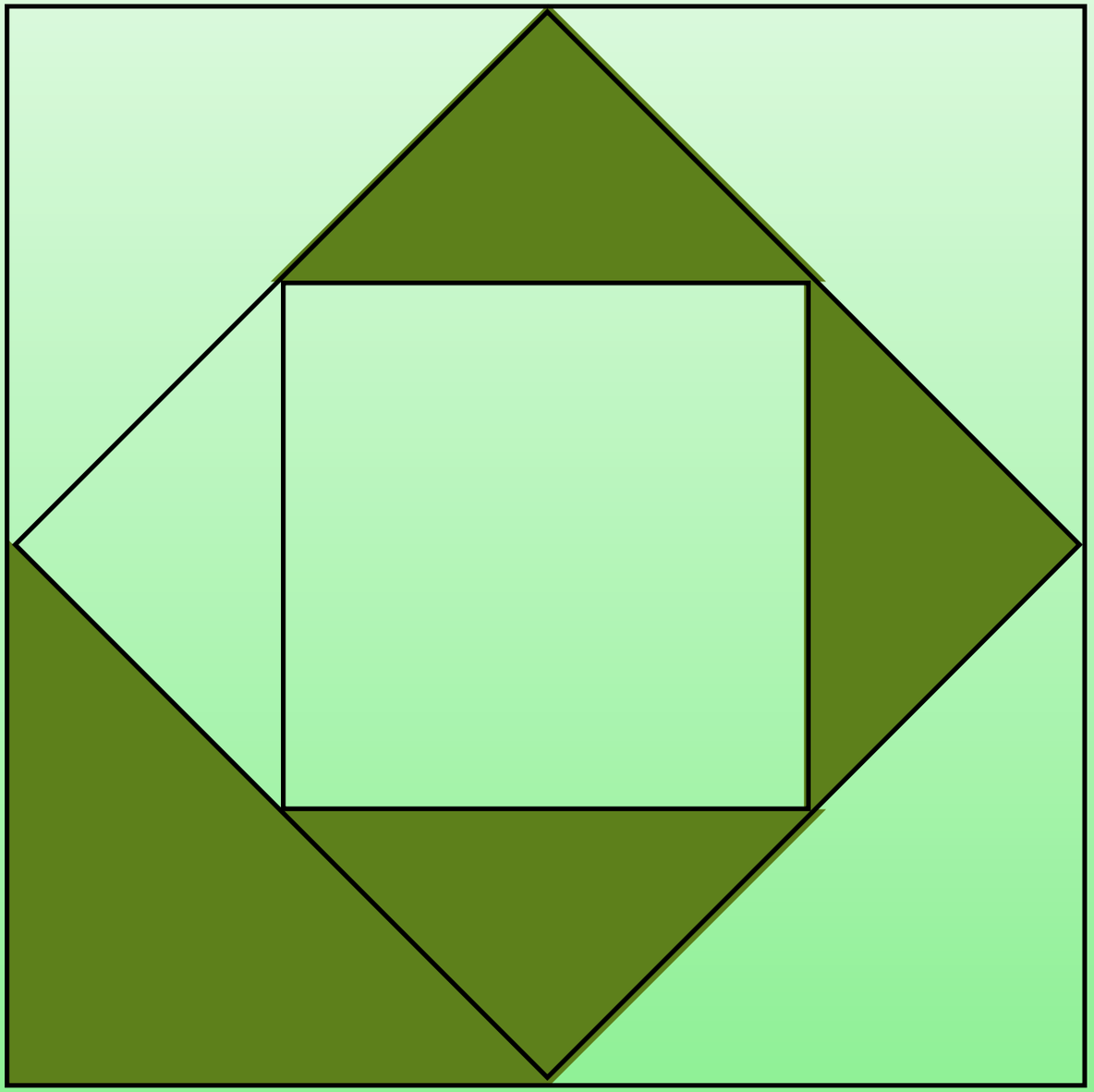
$\frac{1}{8}$

7. Fractions



$$\frac{1}{8} + \frac{3}{16} =$$

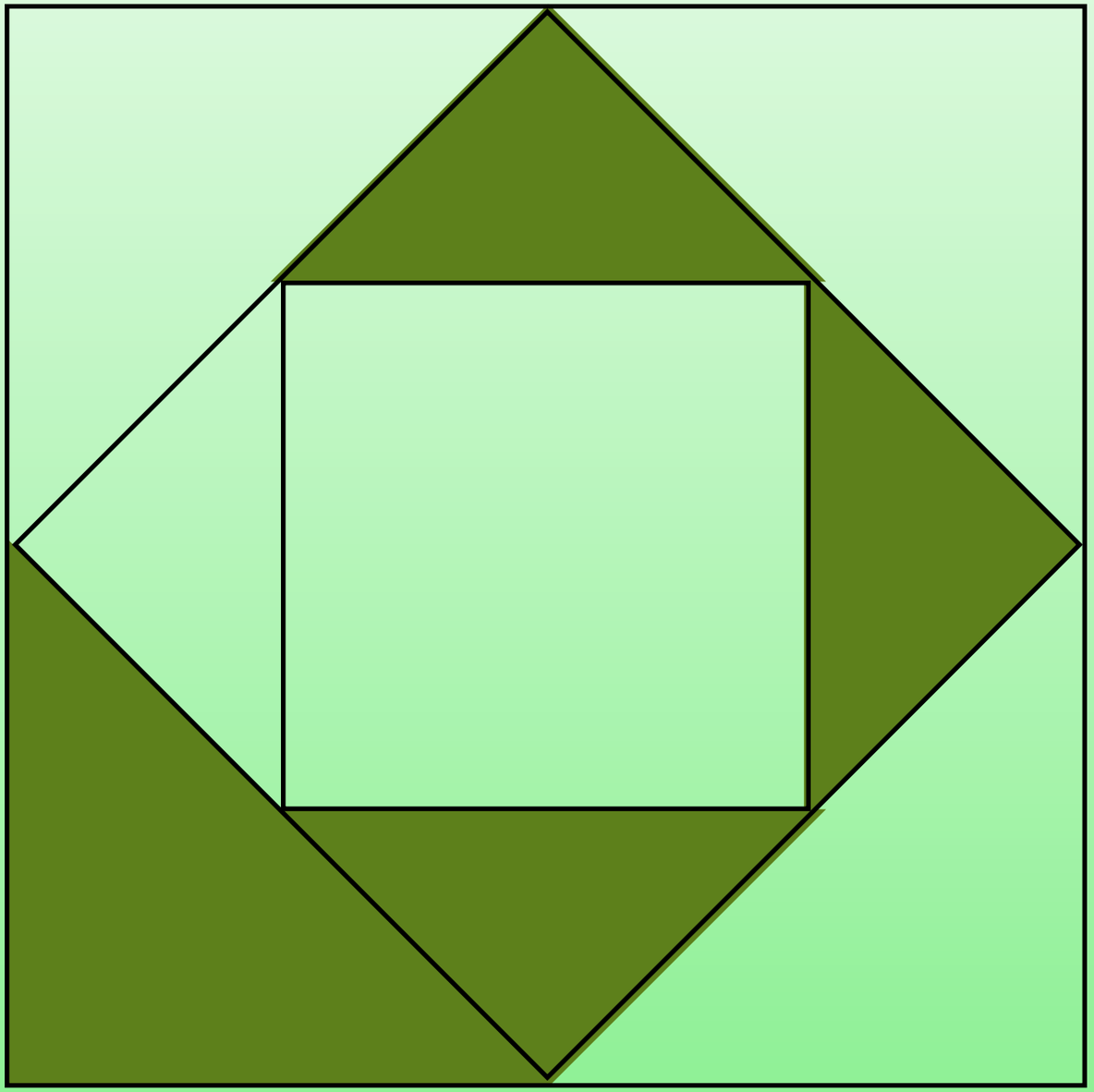
7. Fractions



$$\frac{1}{8} + \frac{3}{16} =$$

$$\frac{2}{16} + \frac{3}{16} =$$

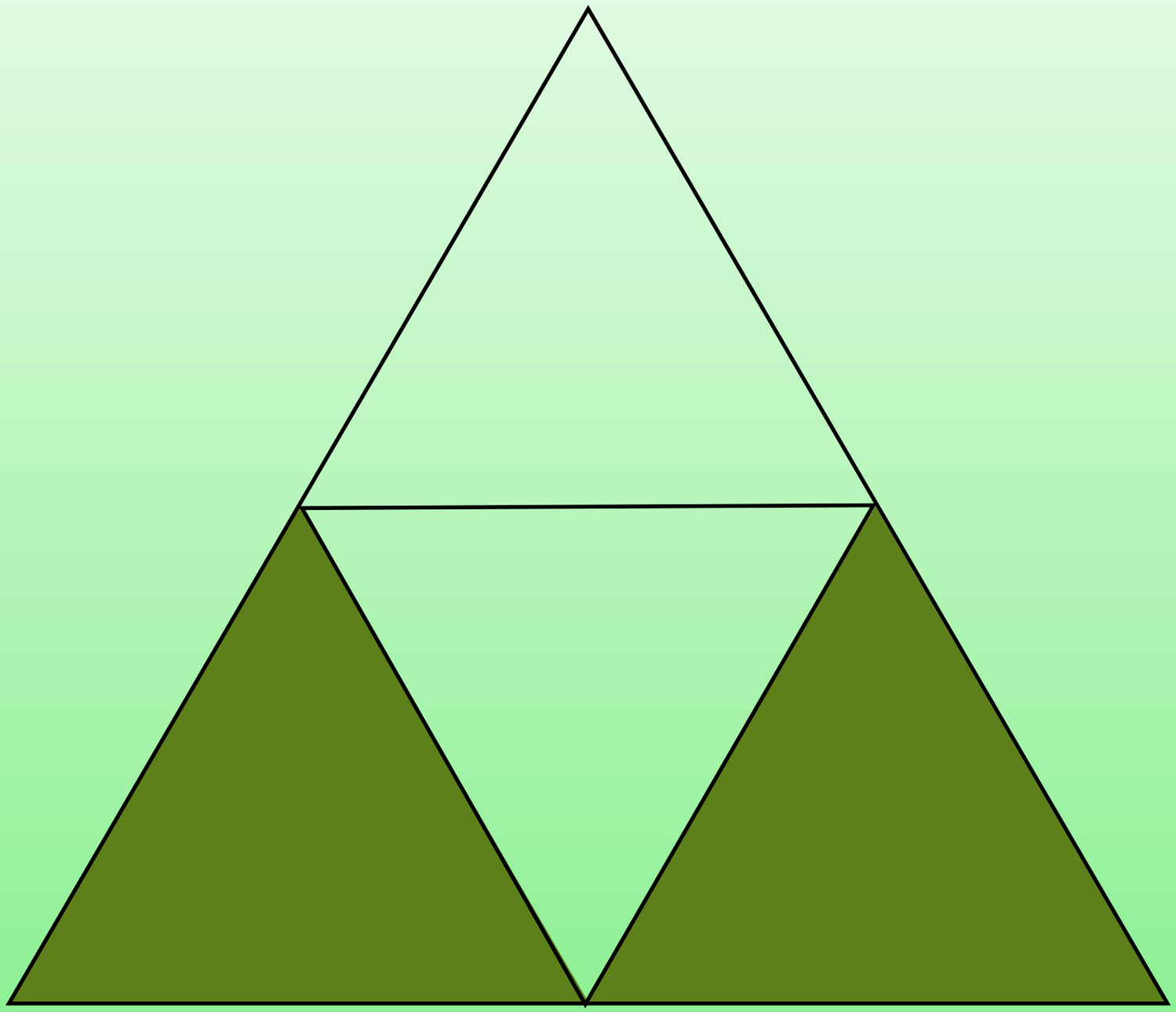
7. Fractions



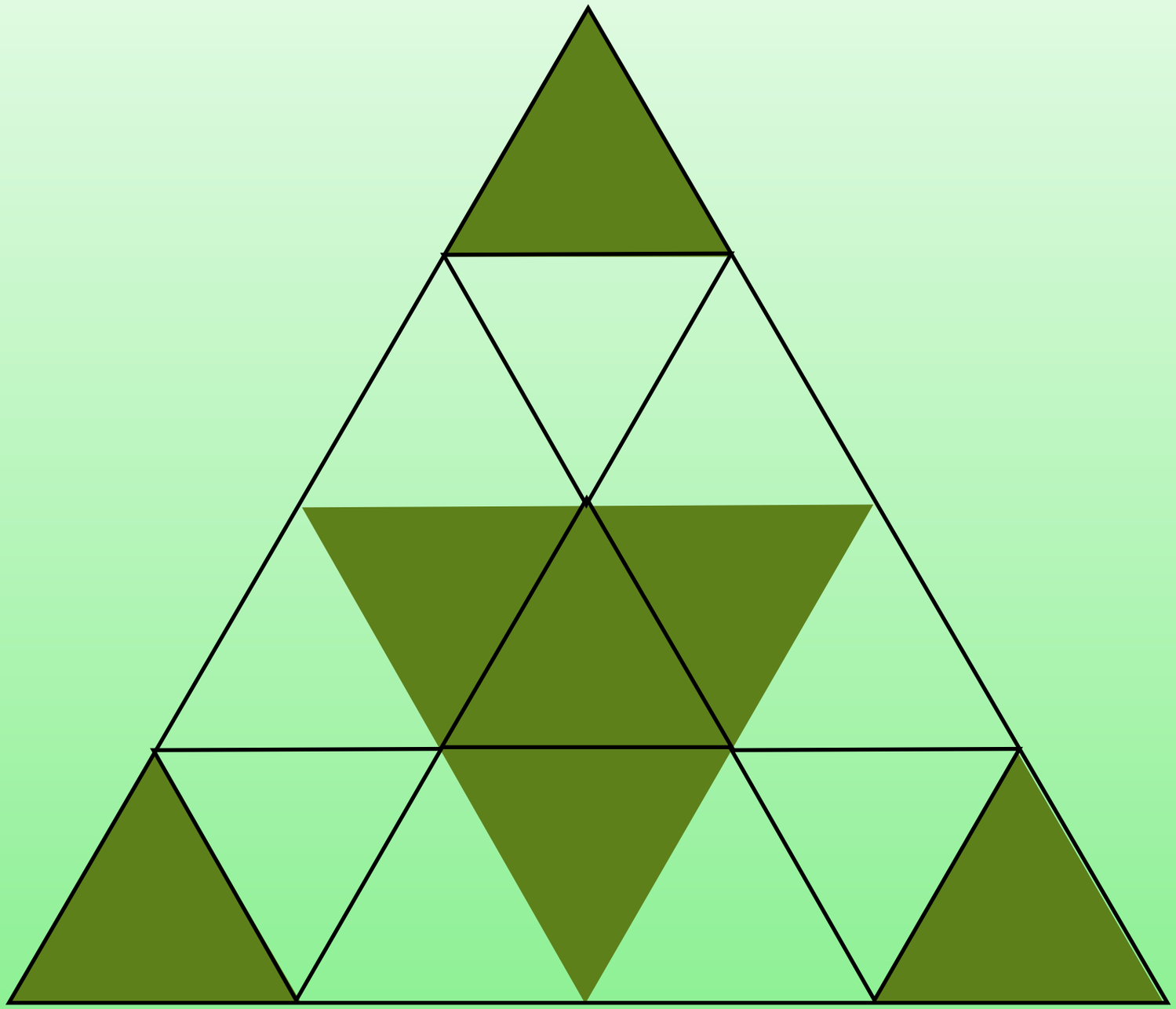
$$\frac{1}{8} + \frac{3}{16} =$$

$$\frac{2}{16} + \frac{3}{16} = \frac{5}{16}$$

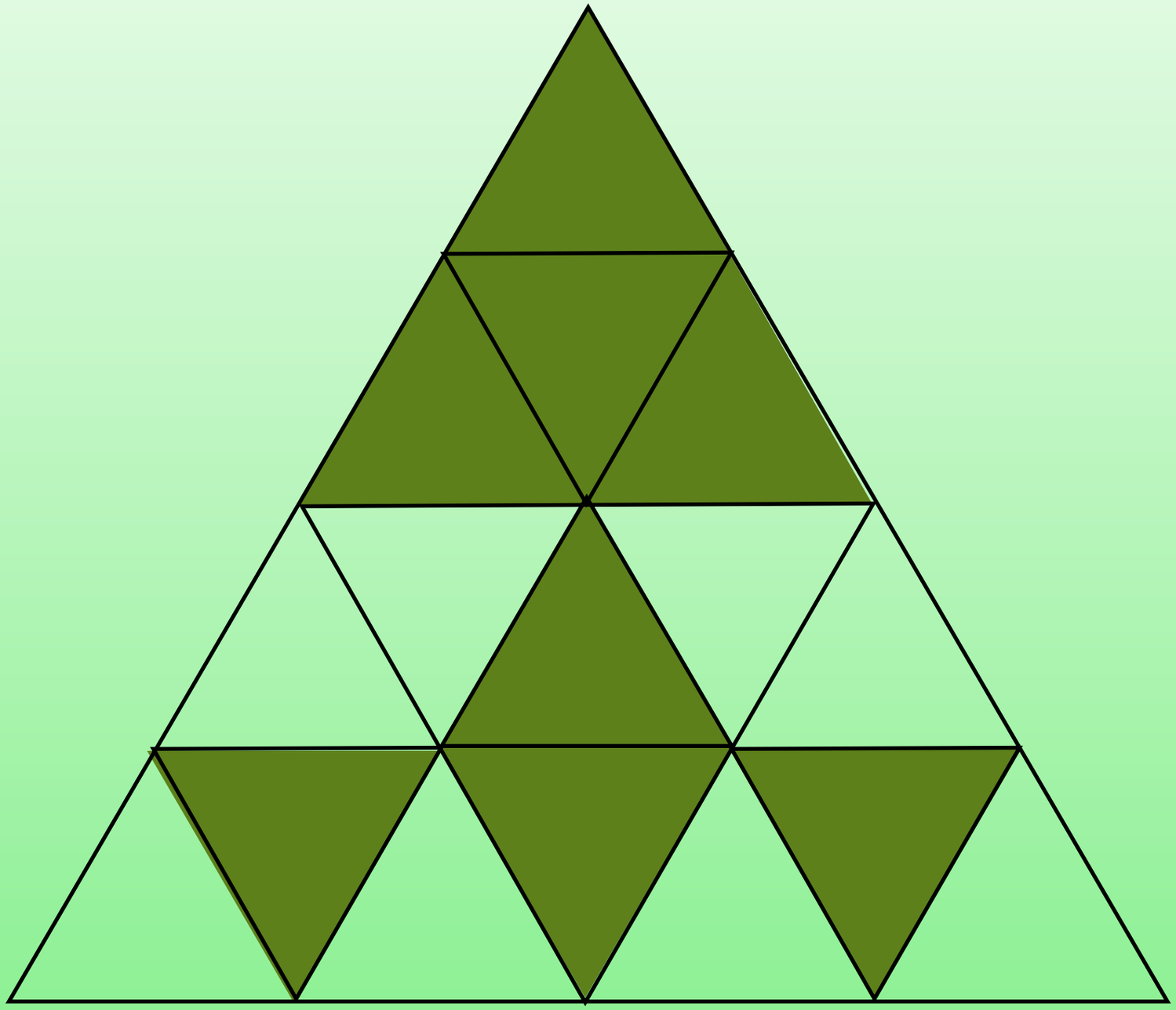
8. Fraction Geometry Worksheet



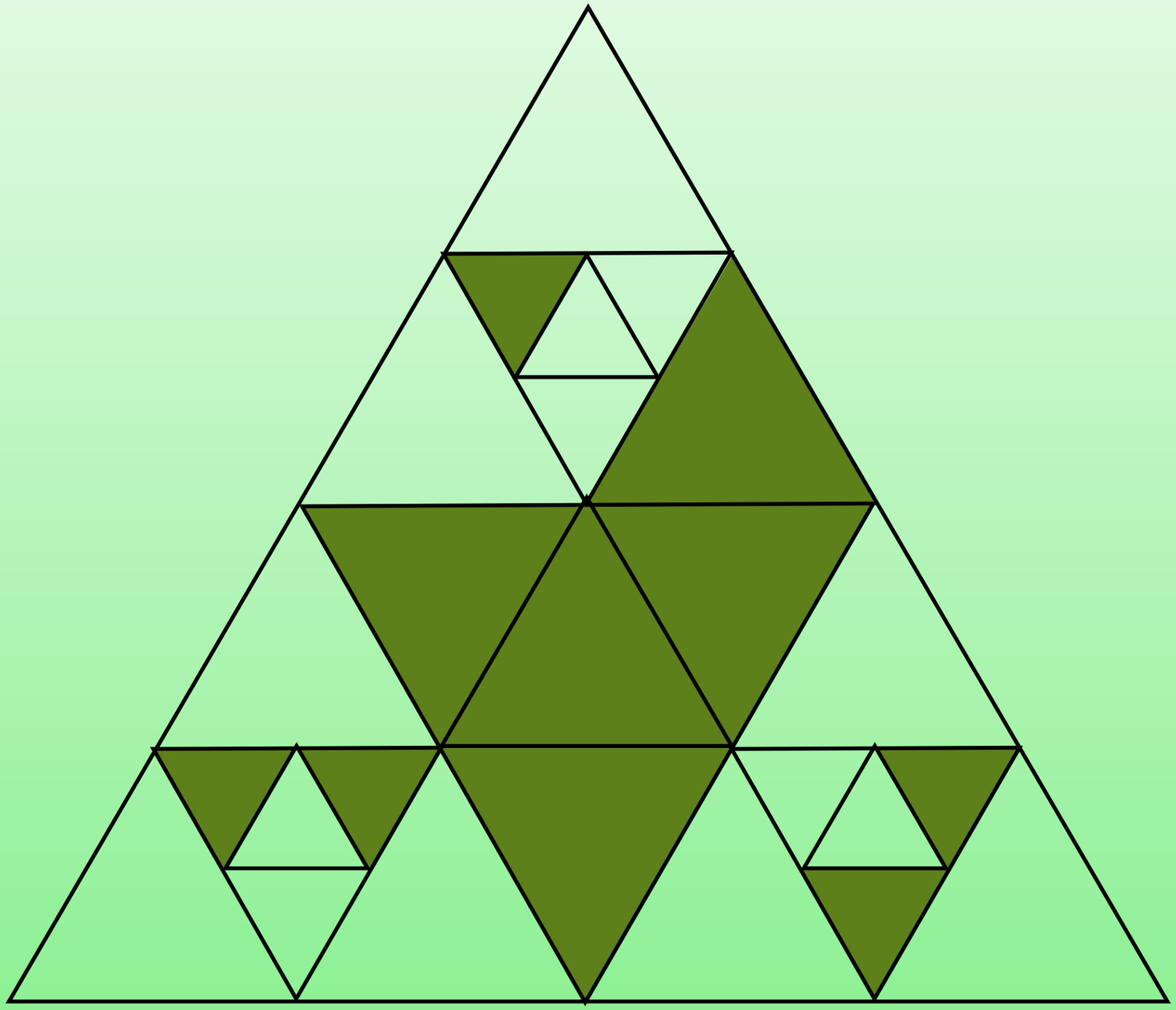
8. Fraction Geometry Worksheet



8. Fraction Geometry Worksheet



8. Fraction Geometry Worksheet



6. Classwork - Same Denominator

6. Classwork - Same Denominator

1. $\frac{4}{7} + \frac{2}{7} =$

6. Classwork - Same Denominator

1. $\frac{4}{7} + \frac{2}{7} = \boxed{\frac{6}{7}}$

6. Classwork - Same Denominator

1. $\frac{4}{7} + \frac{2}{7} = \boxed{\frac{6}{7}}$

2. $\frac{4}{9} + \frac{2}{9} =$

6. Classwork - Same Denominator

1. $\frac{4}{7} + \frac{2}{7} =$ $\boxed{\frac{6}{7}}$

2. $\frac{4}{9} + \frac{2}{9} =$

3. $\frac{7}{10} + \frac{5}{10} =$

6. Classwork - Same Denominator

1. $\frac{4}{7} + \frac{2}{7} =$ $\boxed{\frac{6}{7}}$

2. $\frac{4}{9} + \frac{2}{9} =$

3. $\frac{7}{10} + \frac{5}{10} =$

4. $\frac{7}{10} - \frac{5}{10} =$

6. Classwork - Same Denominator

1. $\frac{4}{7} + \frac{2}{7} = \boxed{\frac{6}{7}}$

2. $\frac{4}{9} + \frac{2}{9} =$

3. $\frac{7}{10} + \frac{5}{10} =$

4. $\frac{7}{10} - \frac{5}{10} =$

6. Classwork - Same Denominator

1. $\frac{4}{7} + \frac{2}{7} =$ $\boxed{\frac{6}{7}}$

2. $\frac{4}{9} + \frac{2}{9} =$

3. $\frac{7}{10} + \frac{5}{10} =$

4. $\frac{7}{10} - \frac{5}{10} =$

5. $\frac{2}{13} + \frac{12}{13} =$

6. Classwork - Same Denominator

1. $\frac{4}{7}+\frac{2}{7}=$ $\boxed{\frac{6}{7}}$

2. $\frac{4}{9}+\frac{2}{9}=$

3. $\frac{7}{10}+\frac{5}{10}=$

4. $\frac{7}{10}-\frac{5}{10}=$

5. $\frac{2}{13}+\frac{12}{13}=$

6. $\frac{2}{13}-\frac{12}{13}=$

6. Classwork - Same Denominator

1. $\frac{4}{7} + \frac{2}{7} =$ $\boxed{\frac{6}{7}}$

2. $\frac{4}{9} + \frac{2}{9} =$

3. $\frac{7}{10} + \frac{5}{10} =$

4. $\frac{7}{10} - \frac{5}{10} =$

5. $\frac{2}{13} + \frac{12}{13} =$

6. $\frac{2}{13} - \frac{12}{13} =$

7. $\frac{14}{50} - \frac{4}{50} =$

6. Classwork - Same Denominator

1. $\frac{4}{7}+\frac{2}{7}=$ $\boxed{\frac{6}{7}}$

2. $\frac{4}{9}+\frac{2}{9}=$

3. $\frac{7}{10}+\frac{5}{10}=$

4. $\frac{7}{10}-\frac{5}{10}=$

5. $\frac{2}{13}+\frac{12}{13}=$

6. $\frac{2}{13}-\frac{12}{13}=$

7. $\frac{14}{50}-\frac{4}{50}=$

8. $\frac{12}{25}+\frac{13}{25}=$

6. Classwork - Same Denominator

1. $\frac{4}{7}+\frac{2}{7}=$ $\boxed{\frac{6}{7}}$

2. $\frac{4}{9}+\frac{2}{9}=$ $\frac{6}{9}$

3. $\frac{7}{10}+\frac{5}{10}=$

4. $\frac{7}{10}-\frac{5}{10}=$

5. $\frac{2}{13}+\frac{12}{13}=$

6. $\frac{2}{13}-\frac{12}{13}=$

7. $\frac{14}{50}-\frac{4}{50}=$

8. $\frac{12}{25}+\frac{13}{25}=$

6. Classwork - Same Denominator

1. $\frac{4}{7} + \frac{2}{7} = \boxed{\frac{6}{7}}$

2. $\frac{4}{9} + \frac{2}{9} = \frac{6}{9} = \boxed{\frac{2}{3}}$

3. $\frac{7}{10} + \frac{5}{10} =$

4. $\frac{7}{10} - \frac{5}{10} =$

5. $\frac{2}{13} + \frac{12}{13} =$

6. $\frac{2}{13} - \frac{12}{13} =$

7. $\frac{14}{50} - \frac{4}{50} =$

8. $\frac{12}{25} + \frac{13}{25} =$

6. Classwork - Same Denominator

1. $\frac{4}{7} + \frac{2}{7} = \boxed{\frac{6}{7}}$

2. $\frac{4}{9} + \frac{2}{9} = \frac{6}{9} = \boxed{\frac{2}{3}}$

3. $\frac{7}{10} + \frac{5}{10} = \frac{12}{10}$

4. $\frac{7}{10} - \frac{5}{10} =$

5. $\frac{2}{13} + \frac{12}{13} =$

6. $\frac{2}{13} - \frac{12}{13} =$

7. $\frac{14}{50} - \frac{4}{50} =$

8. $\frac{12}{25} + \frac{13}{25} =$

6. Classwork - Same Denominator

1. $\frac{4}{7} + \frac{2}{7} = \boxed{\frac{6}{7}}$

2. $\frac{4}{9} + \frac{2}{9} = \frac{6}{9} = \boxed{\frac{2}{3}}$

3. $\frac{7}{10} + \frac{5}{10} = \frac{12}{10} = \boxed{\frac{6}{5}}$

4. $\frac{7}{10} - \frac{5}{10} =$

5. $\frac{2}{13} + \frac{12}{13} =$

6. $\frac{2}{13} - \frac{12}{13} =$

7. $\frac{14}{50} - \frac{4}{50} =$

8. $\frac{12}{25} + \frac{13}{25} =$

6. Classwork - Same Denominator

1. $\frac{4}{7} + \frac{2}{7} = \boxed{\frac{6}{7}}$

2. $\frac{4}{9} + \frac{2}{9} = \frac{6}{9} = \boxed{\frac{2}{3}}$

3. $\frac{7}{10} + \frac{5}{10} = \frac{12}{10} = \boxed{\frac{6}{5}}$

4. $\frac{7}{10} - \frac{5}{10} = \frac{2}{10}$

5. $\frac{2}{13} + \frac{12}{13} =$

6. $\frac{2}{13} - \frac{12}{13} =$

7. $\frac{14}{50} - \frac{4}{50} =$

8. $\frac{12}{25} + \frac{13}{25} =$

6. Classwork - Same Denominator

1. $\frac{4}{7}+\frac{2}{7}=$ $\boxed{\frac{6}{7}}$

2. $\frac{4}{9}+\frac{2}{9}=\frac{6}{9}$ $\boxed{\frac{2}{3}}$

3. $\frac{7}{10}+\frac{5}{10}=\frac{12}{10}$ $\boxed{\frac{6}{5}}$

4. $\frac{7}{10}-\frac{5}{10}=\frac{2}{10}$ $\boxed{\frac{1}{5}}$

5. $\frac{2}{13}+\frac{12}{13}=$

6. $\frac{2}{13}-\frac{12}{13}=$

7. $\frac{14}{50}-\frac{4}{50}=$

8. $\frac{12}{25}+\frac{13}{25}=$

6. Classwork - Same Denominator

1. $\frac{4}{7} + \frac{2}{7} = \boxed{\frac{6}{7}}$

2. $\frac{4}{9} + \frac{2}{9} = \frac{6}{9} = \boxed{\frac{2}{3}}$

3. $\frac{7}{10} + \frac{5}{10} = \frac{12}{10} = \boxed{\frac{6}{5}}$

4. $\frac{7}{10} - \frac{5}{10} = \frac{2}{10} = \boxed{\frac{1}{5}}$

5. $\frac{2}{13} + \frac{12}{13} = \boxed{\frac{14}{13}}$

6. $\frac{2}{13} - \frac{12}{13} =$

7. $\frac{14}{50} - \frac{4}{50} =$

8. $\frac{12}{25} + \frac{13}{25} =$

6. Classwork - Same Denominator

1. $\frac{4}{7}+\frac{2}{7}=$ $\boxed{\frac{6}{7}}$

2. $\frac{4}{9}+\frac{2}{9}=\frac{6}{9}$ $\boxed{\frac{2}{3}}$

3. $\frac{7}{10}+\frac{5}{10}=\frac{12}{10}$ $\boxed{\frac{6}{5}}$

4. $\frac{7}{10}-\frac{5}{10}=\frac{2}{10}$ $\boxed{\frac{1}{5}}$

5. $\frac{2}{13}+\frac{12}{13}=$ $\boxed{\frac{14}{13}}$

6. $\frac{2}{13}-\frac{12}{13}=$ $\boxed{\frac{-10}{13}}$

7. $\frac{14}{50}-\frac{4}{50}=$

8. $\frac{12}{25}+\frac{13}{25}=$

6. Classwork - Same Denominator

1. $\frac{4}{7}+\frac{2}{7}=$ $\boxed{\frac{6}{7}}$

2. $\frac{4}{9}+\frac{2}{9}=\frac{6}{9}$ $\boxed{\frac{2}{3}}$

3. $\frac{7}{10}+\frac{5}{10}=\frac{12}{10}$ $\boxed{\frac{6}{5}}$

4. $\frac{7}{10}-\frac{5}{10}=\frac{2}{10}$ $\boxed{\frac{1}{5}}$

5. $\frac{2}{13}+\frac{12}{13}=$ $\boxed{\frac{14}{13}}$

6. $\frac{2}{13}-\frac{12}{13}=$ $\boxed{\frac{-10}{13}}$

7. $\frac{14}{50}-\frac{4}{50}=\frac{10}{50}$

8. $\frac{12}{25}+\frac{13}{25}=$

6. Classwork - Same Denominator

1. $\frac{4}{7}+\frac{2}{7}=$ $\boxed{\frac{6}{7}}$

2. $\frac{4}{9}+\frac{2}{9}=\frac{6}{9}$ $\boxed{\frac{2}{3}}$

3. $\frac{7}{10}+\frac{5}{10}=\frac{12}{10}$ $\boxed{\frac{6}{5}}$

4. $\frac{7}{10}-\frac{5}{10}=\frac{2}{10}$ $\boxed{\frac{1}{5}}$

5. $\frac{2}{13}+\frac{12}{13}=$ $\boxed{\frac{14}{13}}$

6. $\frac{2}{13}-\frac{12}{13}=$ $\boxed{\frac{-10}{13}}$

7. $\frac{14}{50}-\frac{4}{50}=\frac{10}{50}$ $\boxed{\frac{1}{5}}$

8. $\frac{12}{25}+\frac{13}{25}=$

6. Classwork - Same Denominator

1. $\frac{4}{7}+\frac{2}{7}=$ $\boxed{\frac{6}{7}}$

2. $\frac{4}{9}+\frac{2}{9}=\frac{6}{9}$ $\boxed{\frac{2}{3}}$

3. $\frac{7}{10}+\frac{5}{10}=\frac{12}{10}$ $\boxed{\frac{6}{5}}$

4. $\frac{7}{10}-\frac{5}{10}=\frac{2}{10}$ $\boxed{\frac{1}{5}}$

5. $\frac{2}{13}+\frac{12}{13}=$ $\boxed{\frac{14}{13}}$

6. $\frac{2}{13}-\frac{12}{13}=$ $\boxed{\frac{-10}{13}}$

7. $\frac{14}{50}-\frac{4}{50}=\frac{10}{50}$ $\boxed{\frac{1}{5}}$

8. $\frac{12}{25}+\frac{13}{25}=\frac{25}{25}$

6. Classwork - Same Denominator

1. $\frac{4}{7}+\frac{2}{7}=\boxed{\frac{6}{7}}$

2. $\frac{4}{9}+\frac{2}{9}=\frac{6}{9}=\boxed{\frac{2}{3}}$

3. $\frac{7}{10}+\frac{5}{10}=\frac{12}{10}=\boxed{\frac{6}{5}}$

4. $\frac{7}{10}-\frac{5}{10}=\frac{2}{10}=\boxed{\frac{1}{5}}$

5. $\frac{2}{13}+\frac{12}{13}=\boxed{\frac{14}{13}}$

6. $\frac{2}{13}-\frac{12}{13}=\boxed{\frac{-10}{13}}$

7. $\frac{14}{50}-\frac{4}{50}=\frac{10}{50}=\boxed{\frac{1}{5}}$

8. $\frac{12}{25}+\frac{13}{25}=\frac{25}{25}=\boxed{1}$

6. Notes - Two More Examples

$$\frac{1}{7} - \frac{2}{9} =$$

6. Notes - Two More Examples

$$\frac{1}{7} \begin{matrix} \times 9 \\ \times 9 \end{matrix} - \frac{2}{9} =$$

6. Notes - Two More Examples

$$\frac{1}{7}\ \begin{matrix}\times 9\\ \times 9\end{matrix} - \frac{2}{9}\ \begin{matrix}\times 7\\ \times 7\end{matrix} =$$

6. Notes - Two More Examples

$$\frac{1}{7}\ {}^{\times 9}_{\times 9} - \frac{2}{9}\ {}^{\times 7}_{\times 7} =$$

$$\frac{9}{63} -$$

6. Notes - Two More Examples

$$\frac{1}{7} \times \frac{9}{9} - \frac{2}{9} \times \frac{7}{7} =$$

$$\frac{9}{63} - \frac{14}{63}$$

6. Notes - Two More Examples

$$\frac{1}{7}\ {}^{\times 9}_{\times 9} - \frac{2}{9}\ {}^{\times 7}_{\times 7} =$$

$$\frac{9}{63} - \frac{14}{63} =$$

6. Notes - Two More Examples

$$\frac{1}{7}\ \begin{matrix}\times 9\\ \times 9\end{matrix} - \frac{2}{9}\ \begin{matrix}\times 7\\ \times 7\end{matrix} =$$

$$\frac{9}{63} - \frac{14}{63} = \frac{-5}{63}$$

6. Notes - Two More Examples

$$\frac{1}{7}\ {}^{\times 9}_{\times 9} - \frac{2}{9}\ {}^{\times 7}_{\times 7} =$$

$$\frac{9}{63} - \frac{14}{63} = \boxed{\frac{-5}{63}}$$

6. Notes - Last Example

$$\frac{7}{9} - \frac{2}{6} =$$

6. Notes - Last Example

$$\frac{7}{9} \begin{matrix} \times 2 \\ \times 2 \end{matrix} - \frac{2}{6} =$$

6. Notes - Last Example

$$\frac{7}{9} \begin{matrix} \times 2 \\ \times 2 \end{matrix} - \frac{2}{6} \begin{matrix} \times 3 \\ \times 3 \end{matrix} =$$

6. Notes - Last Example

$$\frac{7}{9}\ {}^{x\,2}_{x\,2} - \frac{2}{6}\ {}^{x\,3}_{x\,3} =$$

$$\frac{14}{18} -$$

6. Notes - Last Example

$$\frac{7}{9}\ {}^{\times 2}_{\times 2} - \frac{2}{6}\ {}^{\times 3}_{\times 3} =$$

$$\frac{14}{18} - \frac{6}{18}$$

6. Notes - Last Example

$$\frac{7}{9}\ {}^{\times 2}_{\times 2} \;-\; \frac{2}{6}\ {}^{\times 3}_{\times 3} =$$

$$\frac{14}{18} \;-\; \frac{6}{18} = \frac{8}{18}$$

6. Notes - Last Example

$$\frac{7}{9}\ {\scriptstyle \times 2} \;-\; \frac{2}{6}\ {\scriptstyle \times 3} =$$

$$\frac{14}{18} \;-\; \frac{6}{18} = \frac{8}{18}\ {\scriptstyle \div 2}$$

6. Notes - Last Example

$$\frac{7}{9}\ {\scriptstyle \times 2}\ - \frac{2}{6}\ {\scriptstyle \times 3} =$$

$$\frac{14}{18} - \frac{6}{18} = \frac{8}{18}\ {\scriptstyle \div 2} = \frac{4}{9}$$

6. Notes - Last Example

$$\frac{7}{9}\ {\scriptstyle \times 2}\ - \frac{2}{6}\ {\scriptstyle \times 3} =$$

$$\frac{14}{18} - \frac{6}{18} = \frac{8}{18}\ {\scriptstyle \div 2} = \boxed{\frac{4}{9}}$$

7. Classwork - Different Denominators

1. $\frac{2}{3}-\frac{1}{4}=$
2. $\frac{4}{5}+\frac{1}{2}=$
3. $\frac{1}{3}+\frac{7}{8}=$
4. $-\frac{4}{5}+\frac{3}{4}=$
5. $\frac{1}{5}+\frac{2}{3}=$
6. $\frac{5}{6}-\frac{7}{12}=$
7. $\frac{3}{4}+\frac{5}{6}=$
8. $\frac{9}{10}+\frac{1}{6}=$
9. $\frac{7}{9}-\frac{1}{4}=$
10. $\frac{11}{15}-\frac{2}{5}=$
11. $-\frac{11}{12}-\frac{5}{8}=$
12. $\frac{2}{3}-\frac{1}{16}=$
13. $\frac{4}{9}-\frac{1}{2}=$
14. $\frac{3}{4}+\frac{7}{12}=$
15. $\frac{3}{5}+\frac{3}{8}=$
16. $\frac{3}{10}-\frac{37}{100}=$
17. $\frac{3}{10}+\frac{13}{15}=$
18. $\frac{1}{8}+\frac{5}{6}=$
19. $\frac{1}{6}-\frac{2}{9}=$
20. $\frac{1}{5}-\frac{7}{10}=$

8. Classwork

8. Classwork

Is the answer positive or negative?

8. Classwork

Is the answer positive or negative?

(-2)(4)(-1)(5)(-2)(-8)(9)(-2)(-3)(4)(5) =

8. Classwork

Is the answer positive or negative?

(-2)(4)(-1)(5)(-2)(-8)(9)(-2)(-3)(4)(5) = +

8. Classwork

Is the answer positive or negative?

(-2)(4)(-1)(5)(-2)(-8)(9)(-2)(-3)(4)(5) = +

(2)(6)(8)(-2)(-3)(5)(-2)(0)(10)(-2)(5) =

8. Classwork

Is the answer positive or negative?

(-2)(4)(-1)(5)(-2)(-8)(9)(-2)(-3)(4)(5) = +

(2)(6)(8)(-2)(-3)(5)(-2)(0)(10)(-2)(5) =

(7)(-2)(8)(-2)(-9)(1)(-1)(-2)(3)(-4) =

8. Classwork

Is the answer positive or negative?

(-2)(4)(-1)(5)(-2)(-8)(9)(-2)(-3)(4)(5) = +

(2)(6)(8)(-2)(-3)(5)(-2)(0)(10)(-2)(5) =

(7)(-2)(8)(-2)(-9)(1)(-1)(-2)(3)(-4) =

(2)(-4)(-3)(8)(10)(-2)(4)(-2)(7)(-2)(1)(-1) =

8. Classwork

Is the answer positive or negative?

(-2)(4)(-1)(5)(-2)(-8)(9)(-2)(-3)(4)(5) = +

(2)(6)(8)(-2)(-3)(5)(-2)(0)(10)(-2)(5) =

(7)(-2)(8)(-2)(-9)(1)(-1)(-2)(3)(-4) =

(2)(-4)(-3)(8)(10)(-2)(4)(-2)(7)(-2)(1)(-1) =

(1)(-1)(-1)(1)(1)(-1)(-1)(-1)(-1)(1)(1)(-1) =

8. Classwork

Is the answer positive or negative?

(-2)(4)(-1)(5)(-2)(-8)(9)(-2)(-3)(4)(5) = +

(2)(6)(8)(-2)(-3)(5)(-2)(0)(10)(-2)(5) =

(7)(-2)(8)(-2)(-9)(1)(-1)(-2)(3)(-4) =

(2)(-4)(-3)(8)(10)(-2)(4)(-2)(7)(-2)(1)(-1) =

(1)(-1)(-1)(1)(1)(-1)(-1)(-1)(-1)(1)(1)(-1) =

(4)(7)(9)(10)(1)(2)(5)(7)(20)(1)(5)(2)(1)(-3) =

8. Classwork

Is the answer positive or negative?

(-2)(4)(-1)(5)(-2)(-8)(9)(-2)(-3)(4)(5) = +

(2)(6)(8)(-2)(-3)(5)(-2)(0)(10)(-2)(5) = 0

(7)(-2)(8)(-2)(-9)(1)(-1)(-2)(3)(-4) =

(2)(-4)(-3)(8)(10)(-2)(4)(-2)(7)(-2)(1)(-1) =

(1)(-1)(-1)(1)(1)(-1)(-1)(-1)(-1)(1)(1)(-1) =

(4)(7)(9)(10)(1)(2)(5)(7)(20)(1)(5)(2)(1)(-3) =

8. Classwork

Is the answer positive or negative?

(-2)(4)(-1)(5)(-2)(-8)(9)(-2)(-3)(4)(5) = +

(2)(6)(8)(-2)(-3)(5)(-2)(0)(10)(-2)(5) = 0

(7)(-2)(8)(-2)(-9)(1)(-1)(-2)(3)(-4) = +

(2)(-4)(-3)(8)(10)(-2)(4)(-2)(7)(-2)(1)(-1) =

(1)(-1)(-1)(1)(1)(-1)(-1)(-1)(-1)(1)(1)(-1) =

(4)(7)(9)(10)(1)(2)(5)(7)(20)(1)(5)(2)(1)(-3) =

8. Classwork

Is the answer positive or negative?

(-2)(4)(-1)(5)(-2)(-8)(9)(-2)(-3)(4)(5) = +

(2)(6)(8)(-2)(-3)(5)(-2)(0)(10)(-2)(5) = 0

(7)(-2)(8)(-2)(-9)(1)(-1)(-2)(3)(-4) = +

(2)(-4)(-3)(8)(10)(-2)(4)(-2)(7)(-2)(1)(-1) = +

(1)(-1)(-1)(1)(1)(-1)(-1)(-1)(-1)(1)(1)(-1) =

(4)(7)(9)(10)(1)(2)(5)(7)(20)(1)(5)(2)(1)(-3) =

8. Classwork

Is the answer positive or negative?

(-2)(4)(-1)(5)(-2)(-8)(9)(-2)(-3)(4)(5) = +

(2)(6)(8)(-2)(-3)(5)(-2)(0)(10)(-2)(5) = 0

(7)(-2)(8)(-2)(-9)(1)(-1)(-2)(3)(-4) = +

(2)(-4)(-3)(8)(10)(-2)(4)(-2)(7)(-2)(1)(-1) = +

(1)(-1)(-1)(1)(1)(-1)(-1)(-1)(-1)(1)(1)(-1) = -

(4)(7)(9)(10)(1)(2)(5)(7)(20)(1)(5)(2)(1)(-3) =

8. Classwork

Is the answer positive or negative?

(-2)(4)(-1)(5)(-2)(-8)(9)(-2)(-3)(4)(5) = +

(2)(6)(8)(-2)(-3)(5)(-2)(0)(10)(-2)(5) = 0

(7)(-2)(8)(-2)(-9)(1)(-1)(-2)(3)(-4) = +

(2)(-4)(-3)(8)(10)(-2)(4)(-2)(7)(-2)(1)(-1) = +

(1)(-1)(-1)(1)(1)(-1)(-1)(-1)(-1)(1)(1)(-1) = -

(4)(7)(9)(10)(1)(2)(5)(7)(20)(1)(5)(2)(1)(-3) = -

9. Review

9. Review

Fill in the missing parts.

9. Review

Fill in the missing parts.

1. $\frac{3}{7} = \frac{\quad}{14} = \frac{\quad}{21} = \frac{\quad}{49}$

9. Review

Fill in the missing parts.

1. $\frac{3}{7} = \frac{6}{14} = \frac{\quad}{21} = \frac{\quad}{49}$

9. Review

Fill in the missing parts.

1. $\frac{3}{7} = \frac{6}{14} = \frac{9}{21} = \frac{\quad}{49}$

9. Review

Fill in the missing parts.

1. $\frac{3}{7} = \frac{6}{14} = \frac{9}{21} = \frac{21}{49}$

9. Review

Fill in the missing parts.

1. $\frac{3}{7} = \frac{6}{14} = \frac{9}{21} = \frac{21}{49}$

2. $\frac{3}{10} = \frac{6}{\quad} = \frac{21}{\quad} = \frac{27}{\quad}$

9. Review

Fill in the missing parts.

1. $\frac{3}{7} = \frac{6}{14} = \frac{9}{21} = \frac{21}{49}$

2. $\frac{3}{10} = \frac{6}{\quad} = \frac{21}{\quad} = \frac{27}{\quad}$

3. $\frac{7}{8} = \frac{\quad}{24} = \frac{\quad}{64} = \frac{\quad}{48}$

9. Review

Fill in the missing parts.

1. $\frac{3}{7} = \frac{6}{14} = \frac{9}{21} = \frac{21}{49}$

2. $\frac{3}{10} = \frac{6}{\quad} = \frac{21}{\quad} = \frac{27}{\quad}$

3. $\frac{7}{8} = \frac{\quad}{24} = \frac{\quad}{64} = \frac{\quad}{48}$

4. $\frac{\quad}{9} = \frac{25}{\quad} = \frac{30}{\quad} = \frac{60}{108}$

9. Review

Fill in the missing parts.

1. $\frac{3}{7} = \frac{6}{14} = \frac{9}{21} = \frac{21}{49}$

2. $\frac{3}{10} = \frac{6}{\quad} = \frac{21}{\quad} = \frac{27}{\quad}$

3. $\frac{7}{8} = \frac{\quad}{24} = \frac{\quad}{64} = \frac{\quad}{48}$

4. $\frac{\quad}{9} = \frac{25}{\quad} = \frac{30}{\quad} = \frac{60}{108}$

5. $\frac{2}{3} = \frac{8}{\quad} = \frac{\quad}{90} = \frac{80}{\quad}$

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5. $\frac{2}{3} = \frac{8}{12} = \frac{60}{90} = \frac{80}{120}$

8. Homework

Practice

$$\frac{1}{3} - \frac{4}{9} + 5 =$$

Challenge

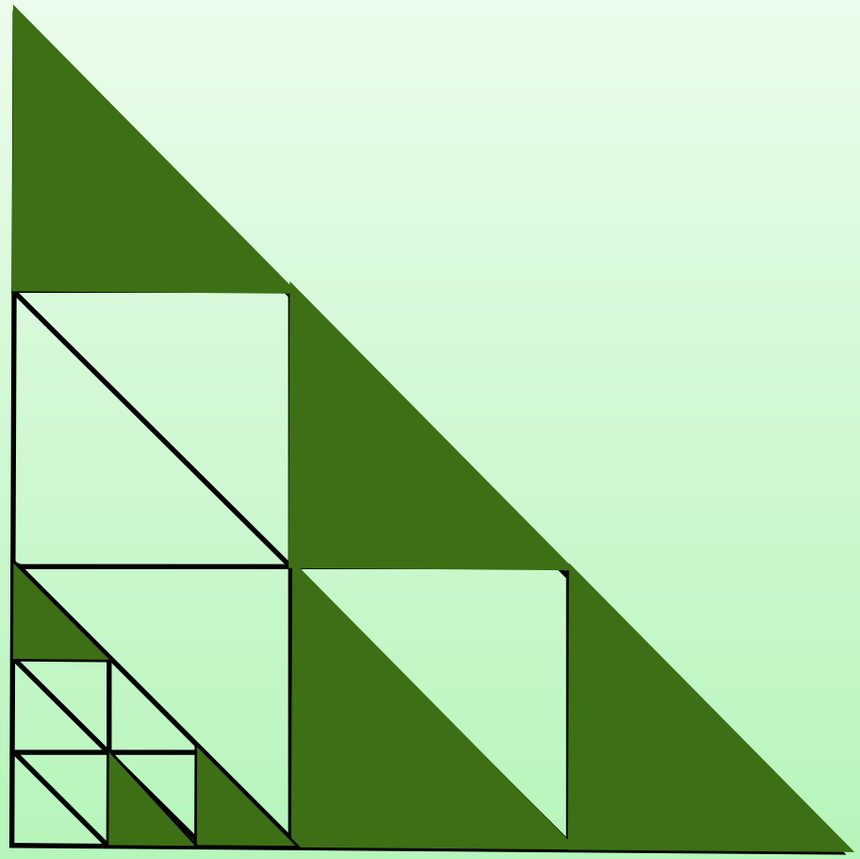
$$\frac{1}{3} - \frac{4}{9} + 5 - \frac{5}{6} =$$

Day 6

$$4 - \left|3 - 9 + 2\right| =$$

$$\left|a - b\right| = \left|b - a\right|$$

$$\left|x - 3\right| = 5$$



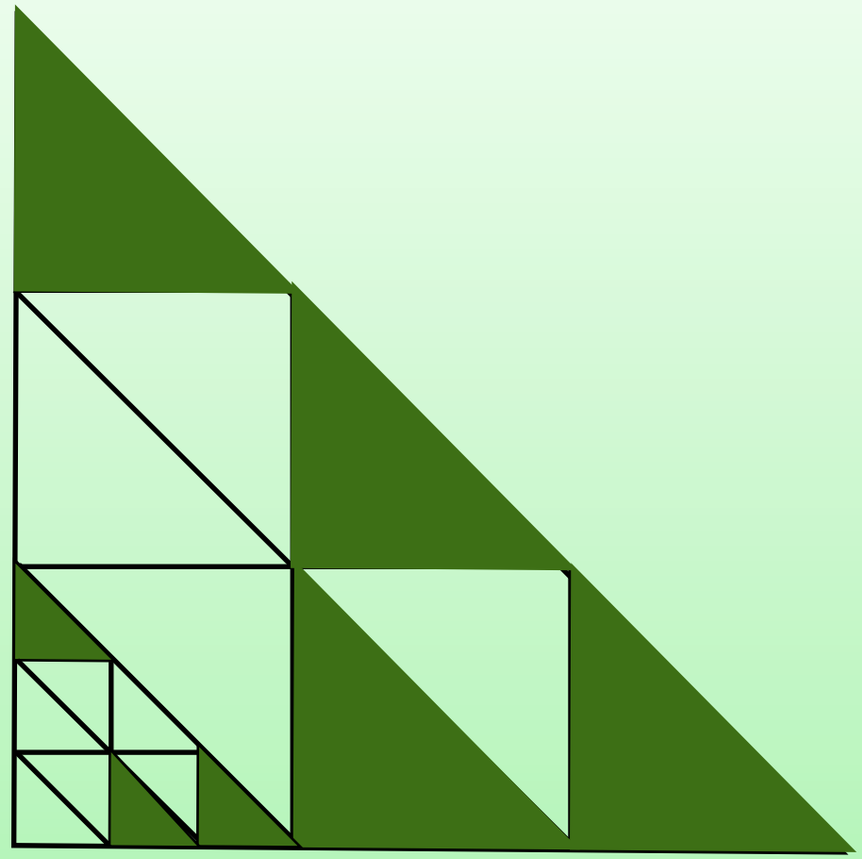
Day 6

1. Opener

$$4 - \left|3 - 9 + 2\right| =$$

$$\left|a - b\right| = \left|b - a\right|$$

$$\left|x - 3\right| = 5$$



Day 6

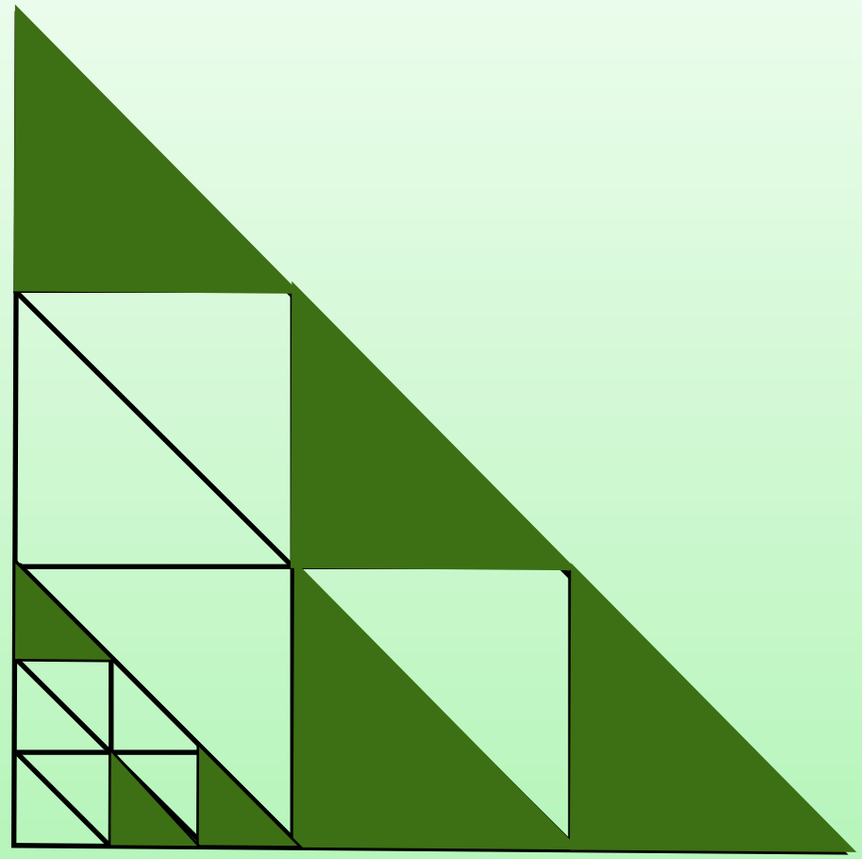
1. Opener

a) -5 + x = 7

$$4 - |3 - 9 + 2| =$$

$$|a - b| = |b - a|$$

$$|x - 3| = 5$$



Day 6

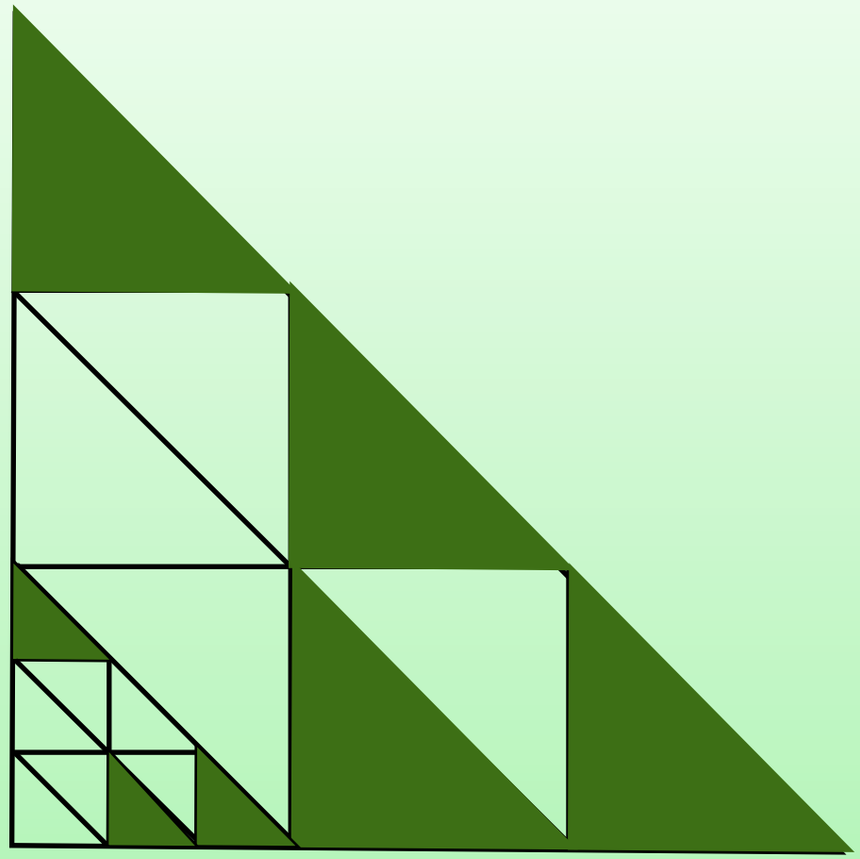
1. Opener

a) -5 + x = 7

b) $4 - |3 - 9 + 2| =$

$$|a - b| = |b - a|$$

$$|x - 3| = 5$$



Day 6

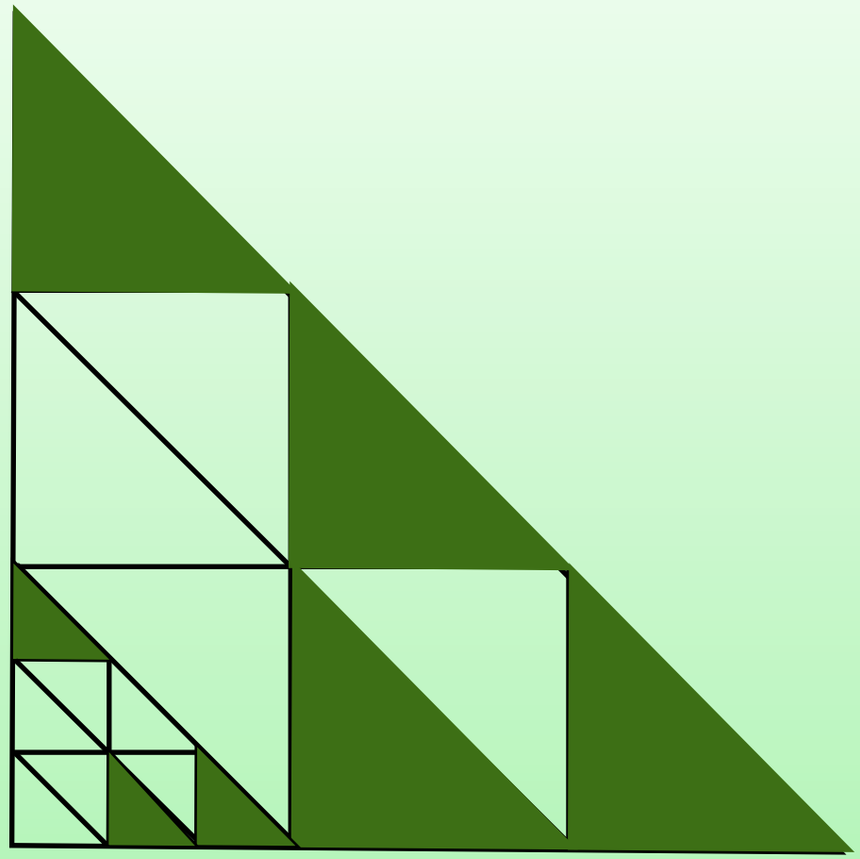
1. Opener

a) -5 + x = 7

b) $4 - |3 - 9 + 2| =$

c) True or false: $|a - b| = |b - a|$

$$|x - 3| = 5$$



Day 6

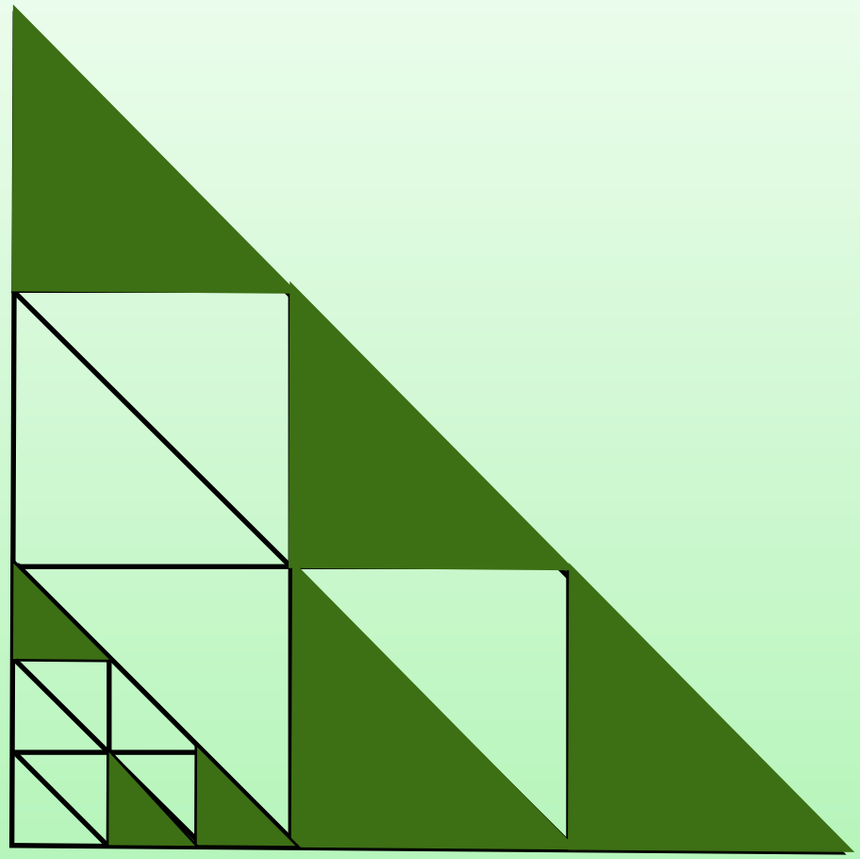
1. Opener

a) -5 + x = 7

b) $4 - |3 - 9 + 2| =$

c) True or false: $|a - b| = |b - a|$

d) Solve for x: $|x - 3| = 5$



Day 6

1. Opener

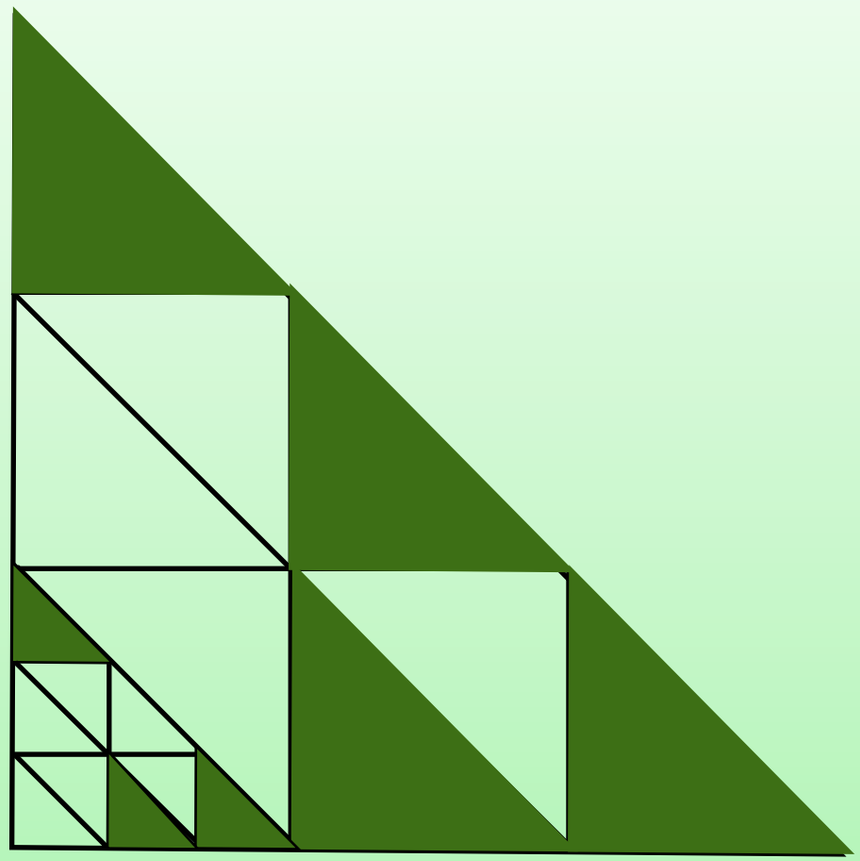
a) -5 + x = 7

b) $4 - |3 - 9 + 2| =$

c) True or false: $|a - b| = |b - a|$

d) Solve for x: $|x - 3| = 5$

e) What fraction of the figure is shaded?



Day 6

1. Opener

a) -5 + x = 7

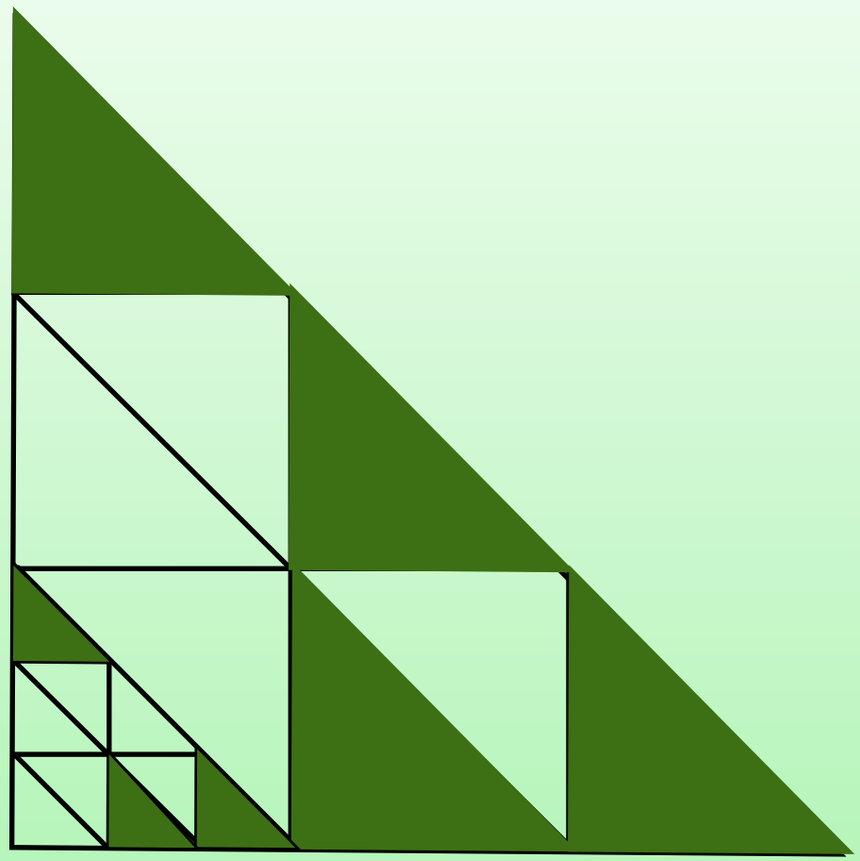
b) $4 - |3 - 9 + 2| =$

c) True or false: $|a - b| = |b - a|$

d) Solve for x: $|x - 3| = 5$

e) What fraction of the figure is shaded?

f) True or false: 0 is the only integer that



Day 6

1. Opener

a) -5 + x = 7

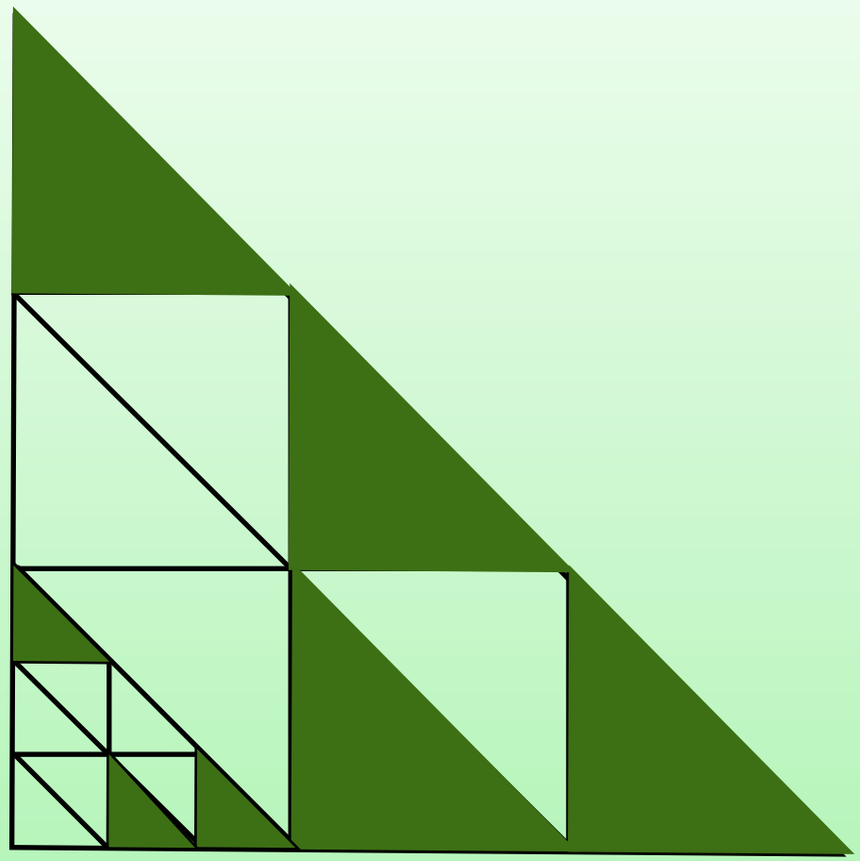
b) $4 - |3 - 9 + 2| =$

c) True or false: $|a - b| = |b - a|$

d) Solve for x: $|x - 3| = 5$

e) What fraction of the figure is shaded?

f) True or false: 0 is the only integer that is also a whole number.



Day 6

1. Opener

a) -5 + x = 7

b) $4 - |3 - 9 + 2| =$

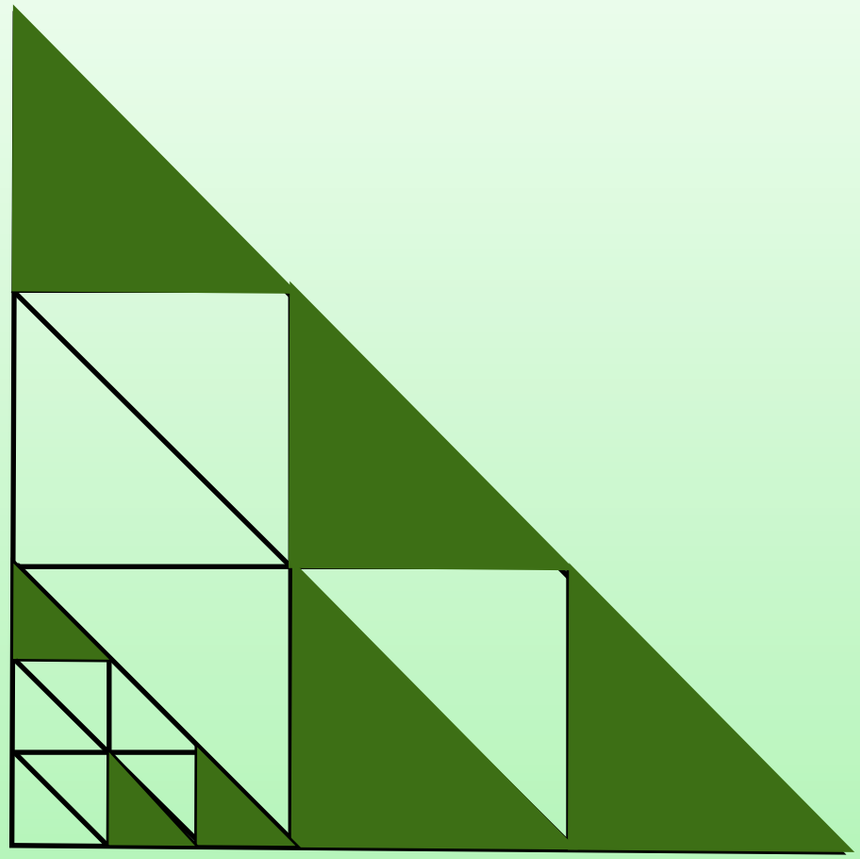
c) True or false: $|a - b| = |b - a|$

d) Solve for x: $|x - 3| = 5$

e) What fraction of the figure is shaded?

f) True or false: 0 is the only integer that is also a whole number.

g) How much is Central Park worth?



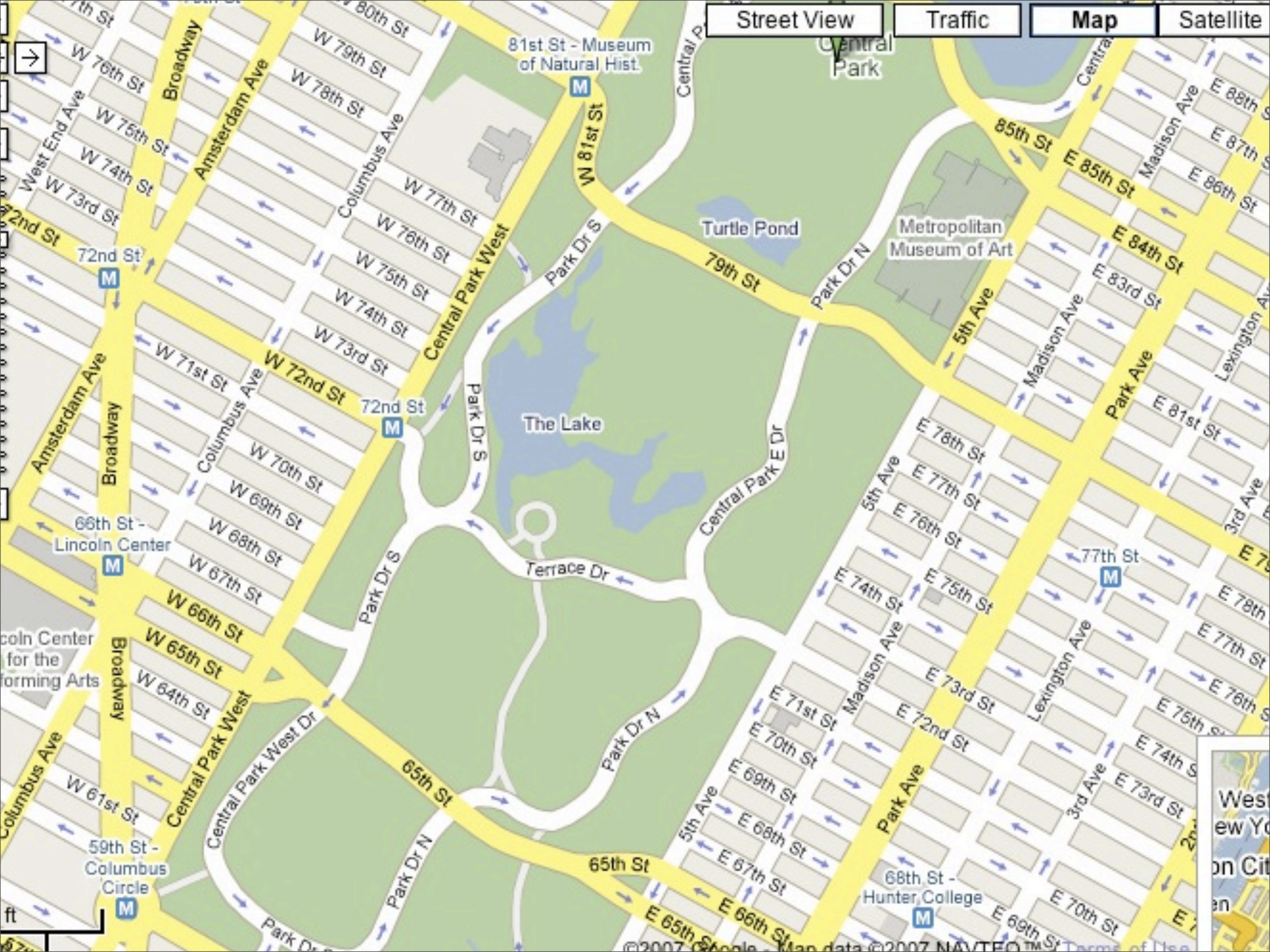
8. Homework

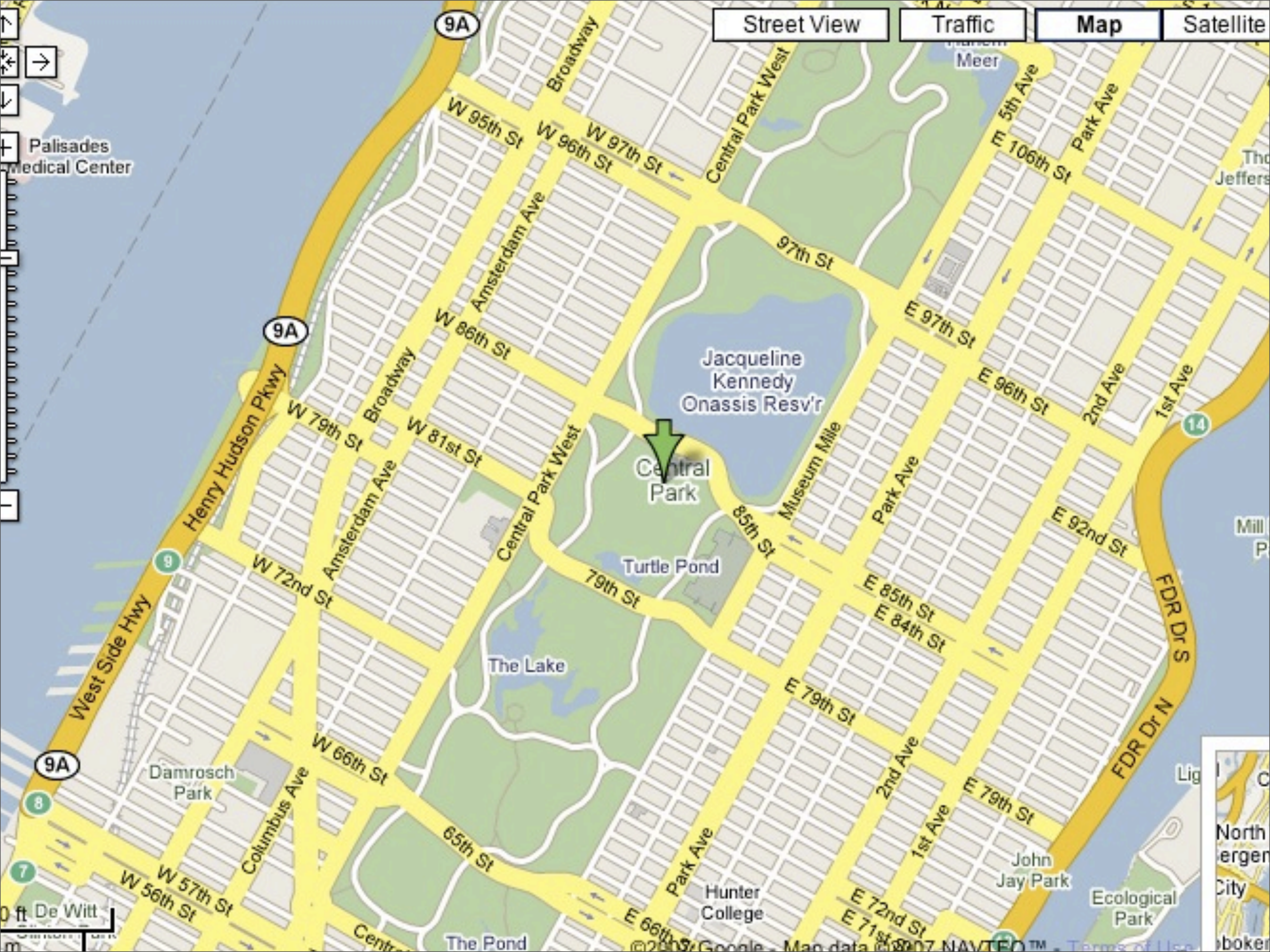
Practice

$$\frac{1}{3} - \frac{4}{9} + 5 =$$

Challenge

$$\frac{1}{3} - \frac{4}{9} + 5 - \frac{5}{6} =$$




Street View
Traffic
Map
Satellite
9A
Broadway
W 95th St
W 96th St
W 97th St
Central Park West
Meer
E 5th Ave
E 106th St
Park Ave
Palisades
Medical Center
Amsterdam Ave
97th St
E 97th St
W 86th St
Jacqueline
Kennedy
Onassis Resv'r
E 96th St
2nd Ave
1st Ave
14
Henry Hudson Pkwy
W 79th St
W 81st St
Central
Park
Museum Mile
85th St
E 92nd St
FDR Dr S
FDR Dr N
West Side Hwy
9
W 72nd St
Turtle Pond
79th St
E 85th St
E 84th St
The Lake
E 79th St
W 66th St
Damrosch
Park
Columbus Ave
65th St
Park Ave
1st Ave
John
Jay Park
Hunter
College
E 72nd St
E 71st St
Ecological
Park
W 57th St
W 56th St
8
7
0 ft
De Witt
The Pond
North
City
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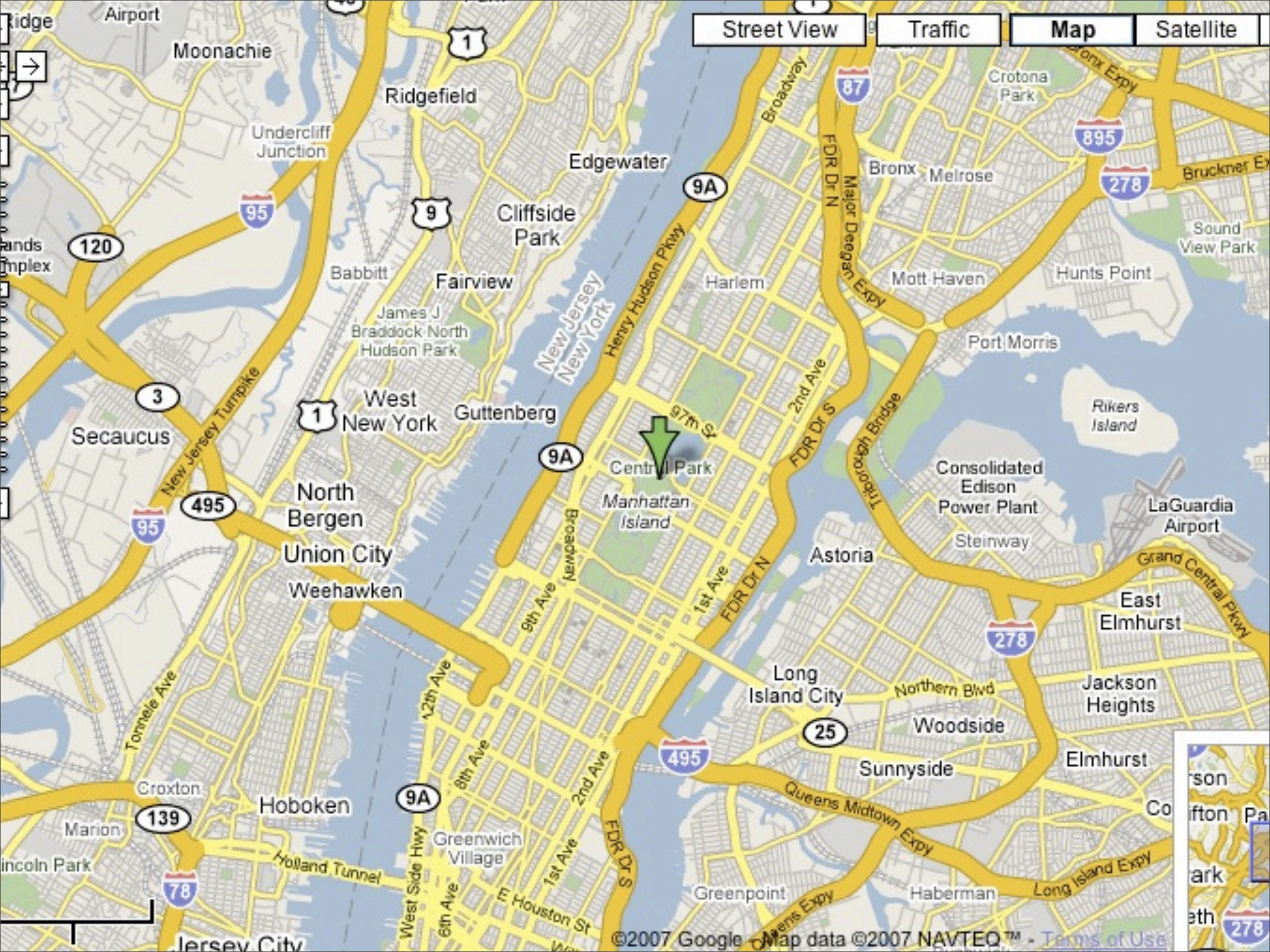
Street View
Traffic
Map
Satellite
Airport
Moonachie
Ridgefield
Undercliff Junction
Edgewater
Cliffside Park
Babbitt
Fairview
James J Braddock North Hudson Park
Secaucus
West New York
Guttenberg
North Bergen
Union City
Weehawken
Central Park
Manhattan Island
Harlem
Broadway
Henry Hudson Pkwy
FDR Dr N
Major Deegan Expy
Bronx
Melrose
Crotona Park
Bronx Expy
Bruckner Ex
Mott Haven
Hunts Point
Sound View Park
Port Morris
Rikers Island
Consolidated Edison Power Plant
Astoria
Steinway
LaGuardia Airport
Grand Central Pkwy
East Elmhurst
Jackson Heights
Long Island City
Northern Blvd
Woodside
Sunnyside
Elmhurst
Queens Midtown Expy
Long Island Expy
Greenpoint
Haberman
Hoboken
Croxton
Marion
Greenwich Village
Holland Tunnel
West Side Hwy
Tonnele Ave
New Jersey Turnpike
97th St
2nd Ave
FDR Dr S
1st Ave
9th Ave
8th Ave
6th Ave
12th Ave
Broadway
E Houston St
Jersey City
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David Hobcote - 2008 ©

3. Absolute Value - Pizzazz

9. Review

9. Review

Fill in the missing parts.

9. Review

Fill in the missing parts.

1. $\frac{3}{7} = \frac{\quad}{14} = \frac{\quad}{21} = \frac{\quad}{49}$

9. Review

Fill in the missing parts.

1. $\frac{3}{7} = \frac{6}{14} = \frac{\quad}{21} = \frac{\quad}{49}$

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Fill in the missing parts.

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Fill in the missing parts.

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2. $\frac{3}{10} = \frac{6}{20} = \frac{21}{70} = \frac{27}{90}$

3. $\frac{7}{8} = \frac{21}{24} = \frac{56}{64} = \frac{42}{48}$

4. $\frac{5}{9} = \frac{25}{45} = \frac{30}{54} = \frac{60}{108}$

5. $\frac{2}{3} = \frac{8}{\quad} = \frac{\quad}{90} = \frac{80}{\quad}$

9. Review

Fill in the missing parts.

1. $\frac{3}{7} = \frac{6}{14} = \frac{9}{21} = \frac{21}{49}$

2. $\frac{3}{10} = \frac{6}{20} = \frac{21}{70} = \frac{27}{90}$

3. $\frac{7}{8} = \frac{21}{24} = \frac{56}{64} = \frac{42}{48}$

4. $\frac{5}{9} = \frac{25}{45} = \frac{30}{54} = \frac{60}{108}$

5. $\frac{2}{3} = \frac{8}{12} = \frac{\quad}{90} = \frac{80}{\quad}$

9. Review

Fill in the missing parts.

1. $\frac{3}{7} = \frac{6}{14} = \frac{9}{21} = \frac{21}{49}$

2. $\frac{3}{10} = \frac{6}{20} = \frac{21}{70} = \frac{27}{90}$

3. $\frac{7}{8} = \frac{21}{24} = \frac{56}{64} = \frac{42}{48}$

4. $\frac{5}{9} = \frac{25}{45} = \frac{30}{54} = \frac{60}{108}$

5. $\frac{2}{3} = \frac{8}{12} = \frac{60}{90} = \frac{80}{\quad}$

9. Review

Fill in the missing parts.

1. $\frac{3}{7} = \frac{6}{14} = \frac{9}{21} = \frac{21}{49}$

2. $\frac{3}{10} = \frac{6}{20} = \frac{21}{70} = \frac{27}{90}$

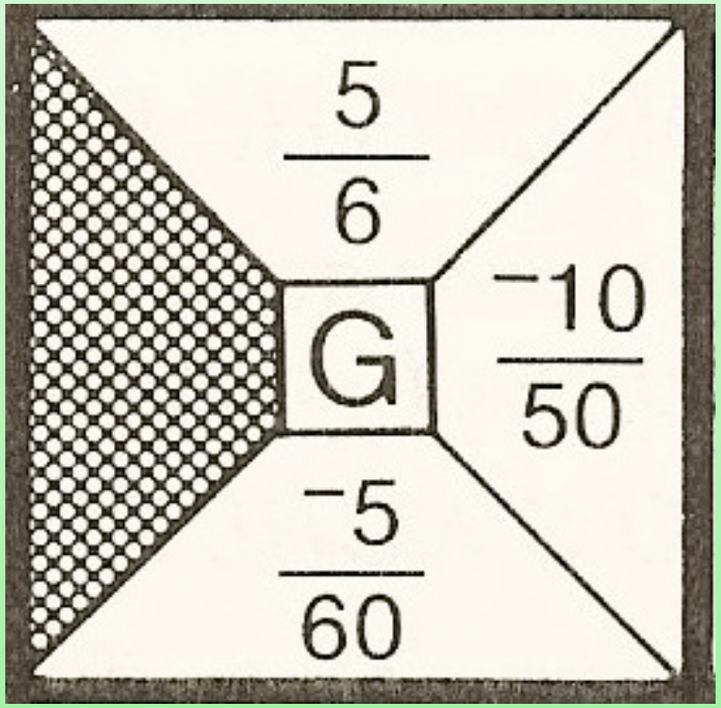
3. $\frac{7}{8} = \frac{21}{24} = \frac{56}{64} = \frac{42}{48}$

4. $\frac{5}{9} = \frac{25}{45} = \frac{30}{54} = \frac{60}{108}$

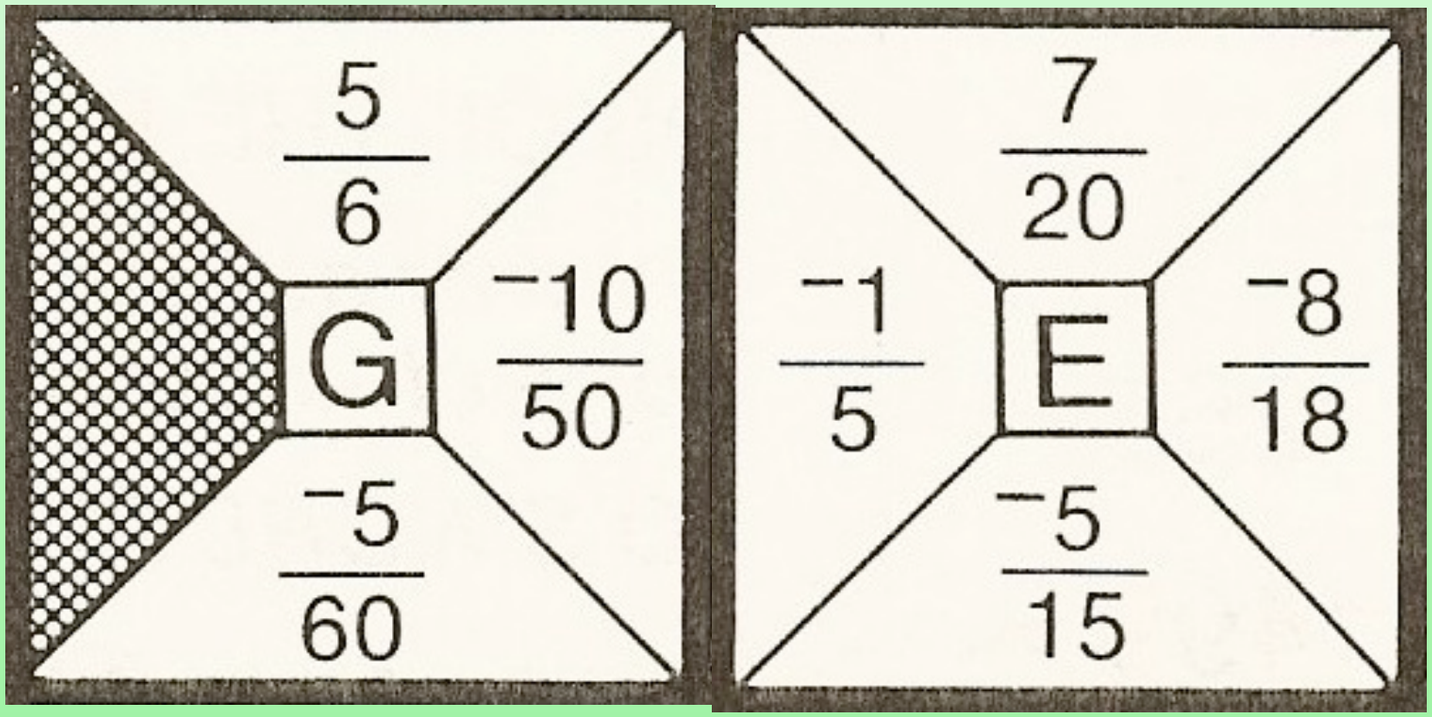
5. $\frac{2}{3} = \frac{8}{12} = \frac{60}{90} = \frac{80}{120}$

4. Classwork - Pizzazz Puzzle

4. Classwork - Pizzazz Puzzle



4. Classwork - Pizzazz Puzzle



5. Break

5. Break

6. Show and Tell

7. Basketball

7. Basketball

Simplify: $\left|-3+6\right|-\left|-4\right|=$

7. Basketball

Simplify: $\left|-3+6\right|-\left|-4\right|=$ -1

7. Basketball

Simplify: $\left|-3+6\right|-\left|-4\right|=$ -1

Simplify: $\left|5-8\right|-\left|8-10\right|=$

7. Basketball

Simplify: $\left|-3+6\right|-\left|-4\right|=$ -1

Simplify: $\left|5-8\right|-\left|8-10\right|=$ 1

7. Basketball

7. Basketball

Simplify: $5 - \left|7 - 10\right| =$

7. Basketball

Simplify: $5 - \left|7 - 10\right| =$

2

7. Basketball

Simplify: $5 - |7 - 10| =$ 2

Simplify: $2 - |-2| =$

7. Basketball

Simplify: $5 - |7 - 10| =$ 2

Simplify: $2 - |-2| =$ 0

7. Basketball

7. Basketball

Simplify: $3 \bullet 4^2 =$

7. Basketball

Simplify: $3 \bullet 4^2 =$ 48

7. Basketball

Simplify: $3 \bullet 4^2 =$ 48

Simplify: $1 + 2^3 =$

7. Basketball

Simplify: $3 \bullet 4^2 =$ 48

Simplify: $1 + 2^3 =$ 9

7. Basketball

7. Basketball

Simplify: $8 \div 2 + 2 =$

7. Basketball

Simplify: $8 \div 2 + 2 =$

6

7. Basketball

Simplify: $8 \div 2 + 2 =$

6

Simplify: $25 - 4(2)(-3)$

7. Basketball

Simplify: $8 \div 2 + 2 =$ 6

Simplify: $25 - 4(2)(-3)$ 49

7. Basketball

7. Basketball

Evaluate: $a^2 + b^2$ for a = 3, b = -2

7. Basketball

Evaluate: $a^2 + b^2$ for a = 3, b = -2

13

7. Basketball

Evaluate: $a^2 + b^2$ for a = 3, b = -2 13

Evaluate: $3y^2 + x$ for x = 5, y = -2

7. Basketball

Evaluate: $a^2 + b^2$ for a = 3, b = -2 13

Evaluate: $3y^2 + x$ for x = 5, y = -2 17

7. Basketball

7. Basketball

Evaluate: $-2ab + a^2$ for a = 1, b = 0

7. Basketball

Evaluate: $-2ab + a^2$ for a = 1, b = 0 1

7. Basketball

Evaluate: $-2ab + a^2$ for a = 1, b = 0 1

Evaluate: $x^2 + 3x + 7$ for x = -10, y = 3

7. Basketball

Evaluate: $-2ab + a^2$ for a = 1, b = 0 1

Evaluate: $x^2 + 3x + 7$ for x = -10, y = 3 77

8. Concept Quiz