Math Solutions
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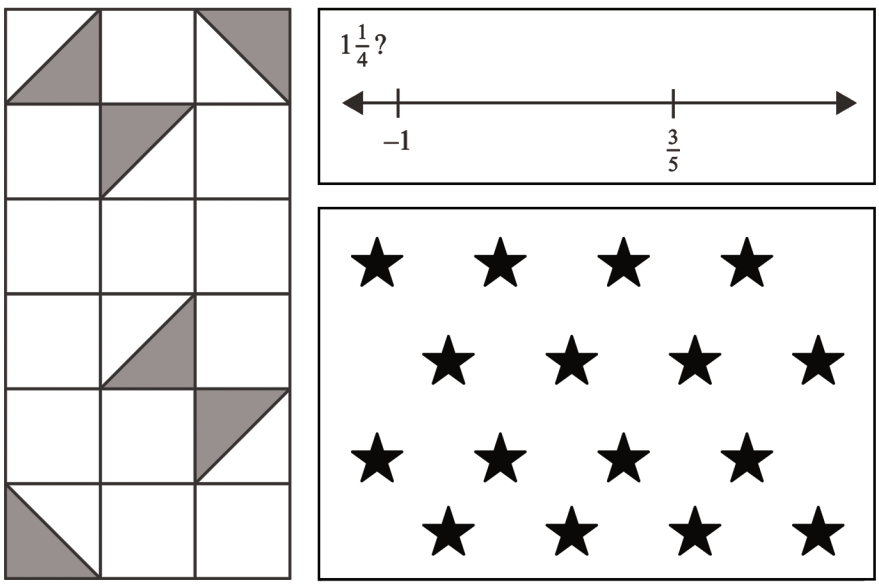
NUMBER TALKS

FRACTIONS, DECIMALS, AND PERCENTAGES

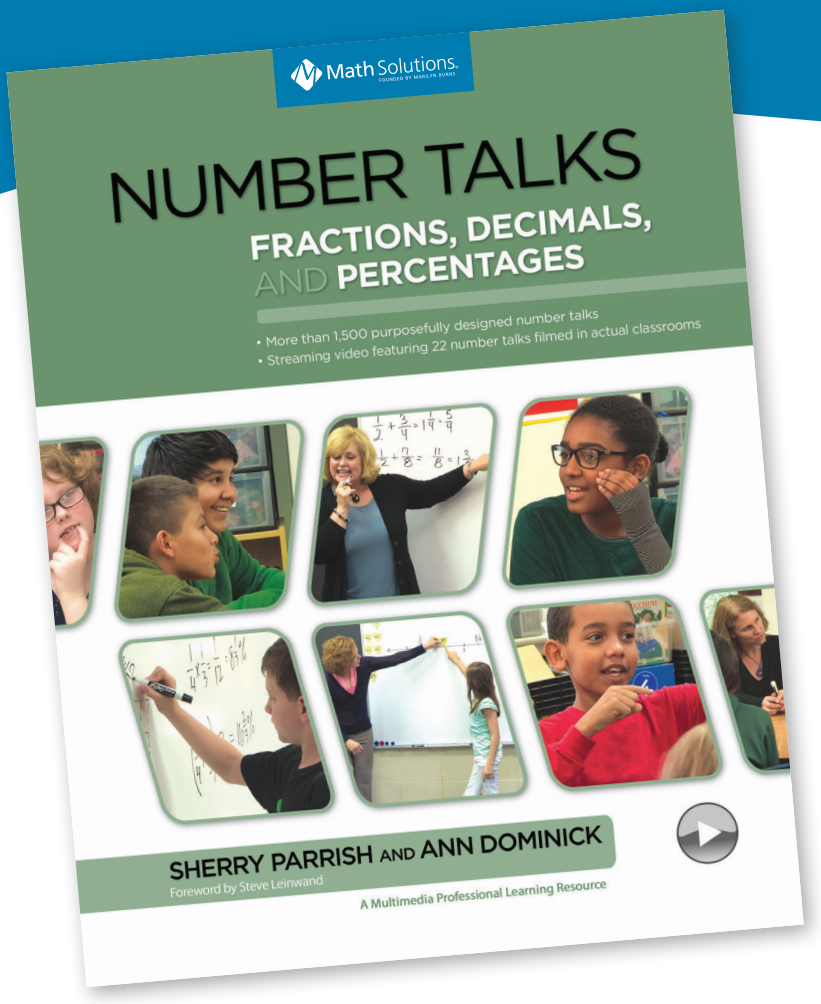
More than 150 pages of user-friendly, reproducible area, set, and linear models

REPRODUCIBLES

Area, Set, and Linear Models



SHERRY PARRISH AND ANN DOMINICK



Now the area, set, and linear models from Chapters 4, 6, 7, and 8 are in a user-friendly, reproducible format! This downloadable file contains more than 150 pages for immediate use. Use these reproducibles alongside *Number Talks: Fractions, Decimals, and Percentages* (ISBN: 978-1-935099-75-8). For more information, visit **www.mathsolutions.com**.

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Math Solutions
One Harbor Drive, Suite 101
Sausalito, California, USA 94965
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Contents by Chapter

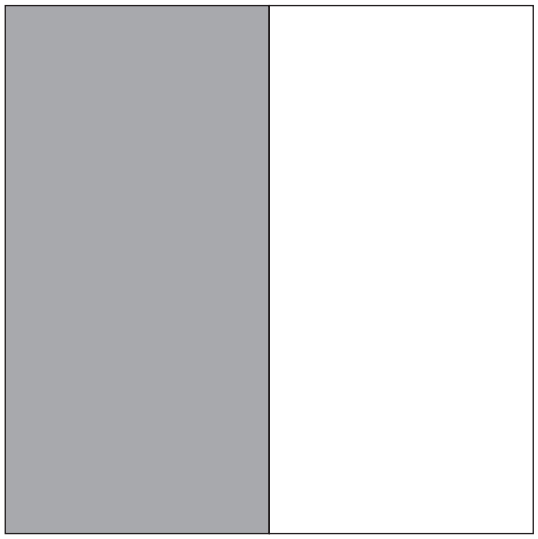
The reproducibles listed are enlarged versions of the area, set, and linear models that appear in Chapters 4, 6, 7, and 8 of *Number Talks: Fractions, Decimals, and Percentages*.

Contents by Model (Area, Set, or Linear)

The reproducibles listed are enlarged versions of the area, set, and linear models that appear in Chapters 4, 6, 7, and 8 of *Number Talks: Fractions, Decimals, and Percentages*.

Which of these models represent $\frac{1}{2}$ of the whole? How do you know?

A.



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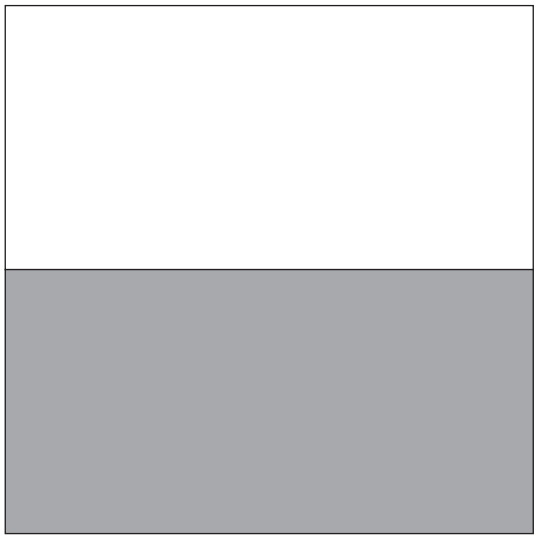
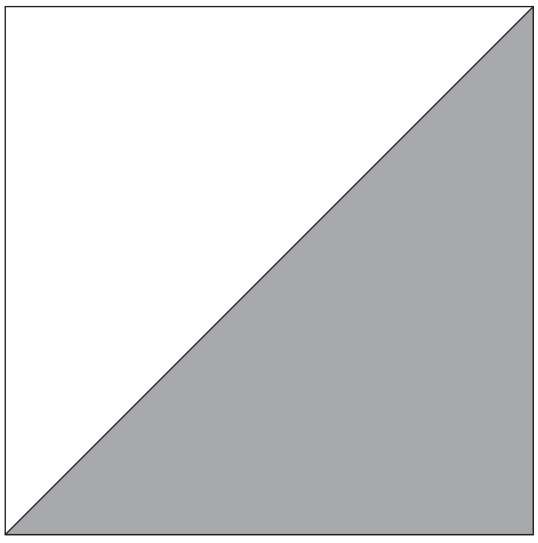


C.

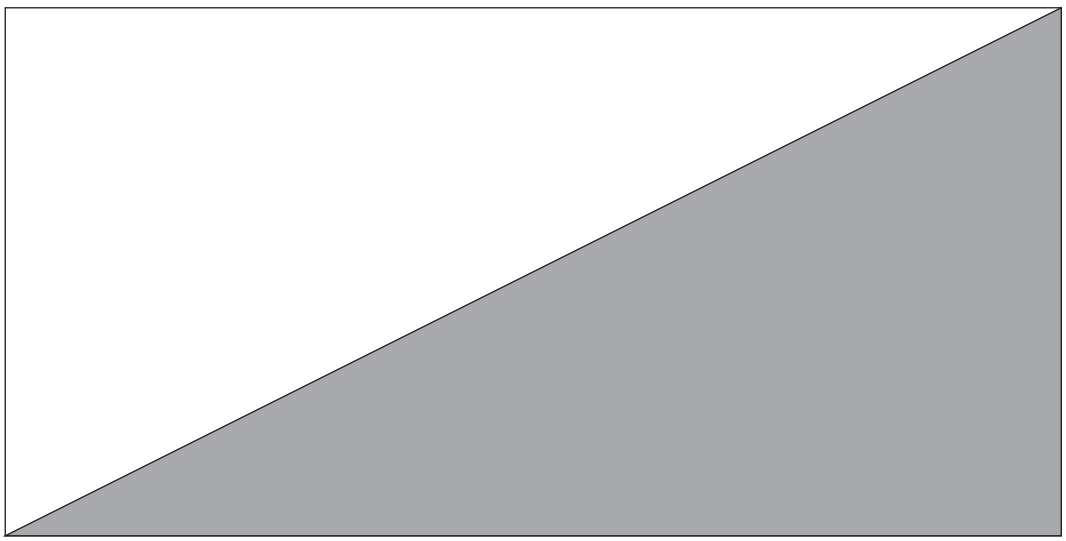


Which of these models represent $\frac{1}{2}$ of the whole? How do you know?

A.

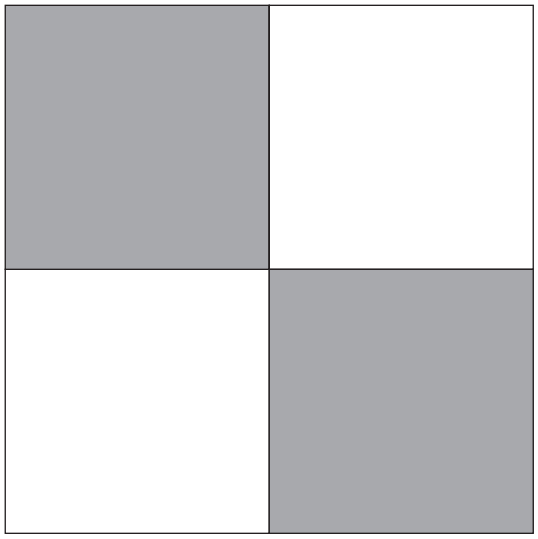
B.

C.



Which of these models represent $\frac{1}{2}$ of the whole? How do you know?

A.



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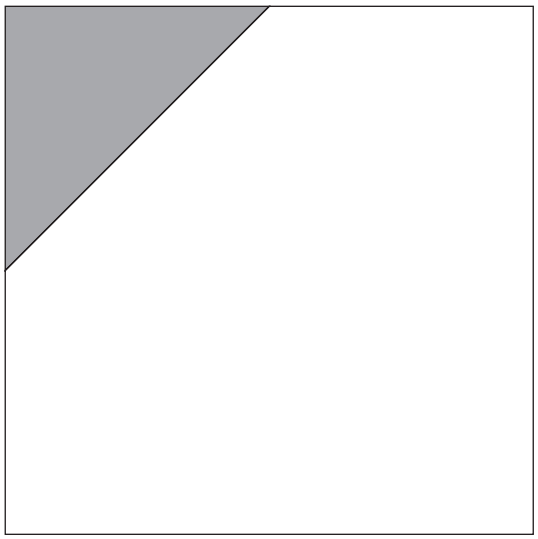

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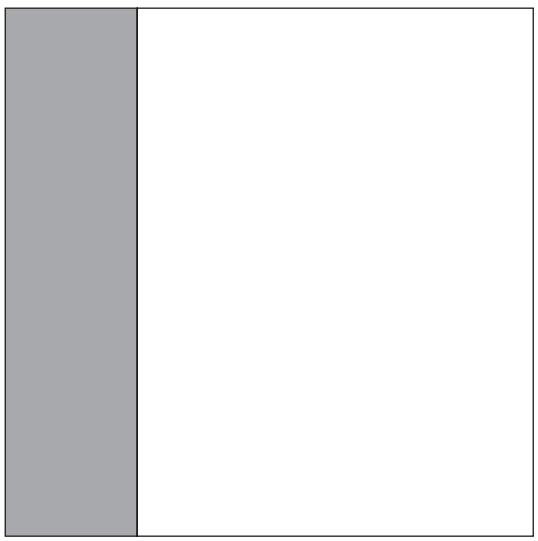
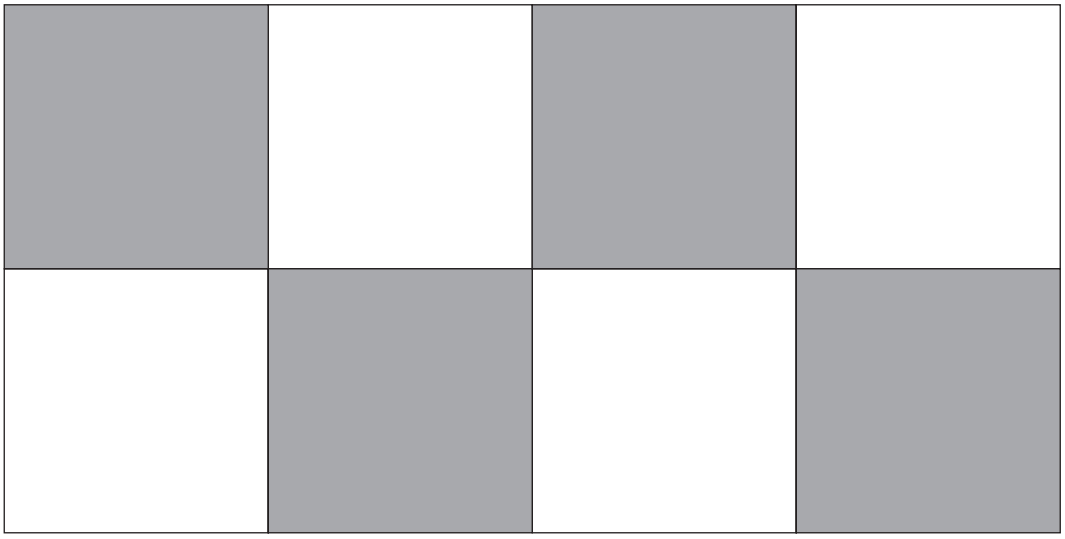


Which of these models represent $\frac{1}{2}$ of the whole? How do you know?

A.



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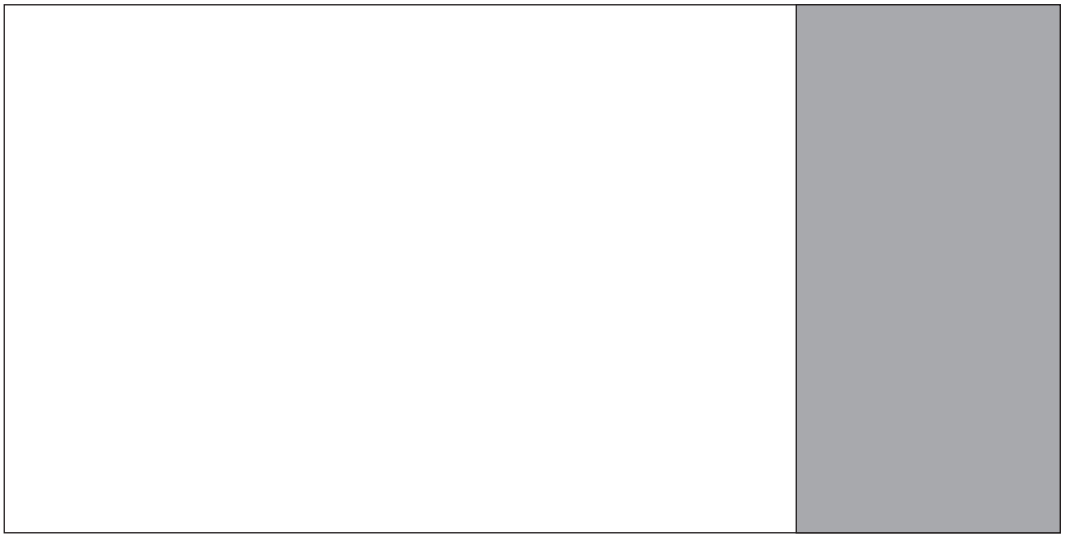

C.

Which of these models represent $\frac{1}{4}$ of the whole? How do you know?

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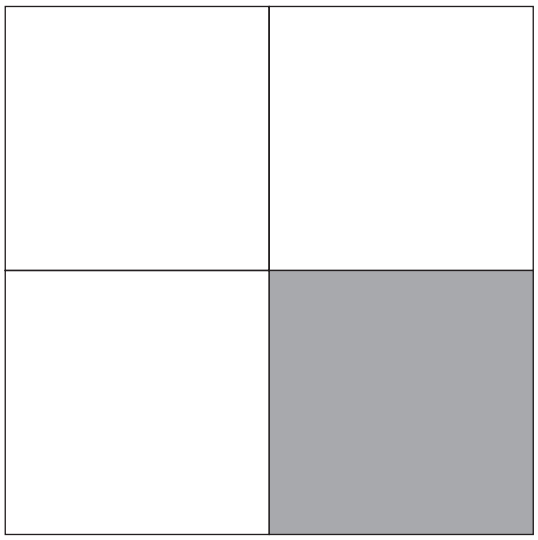

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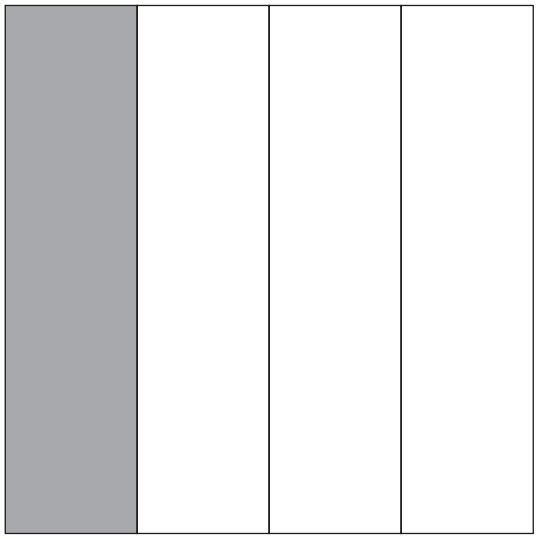

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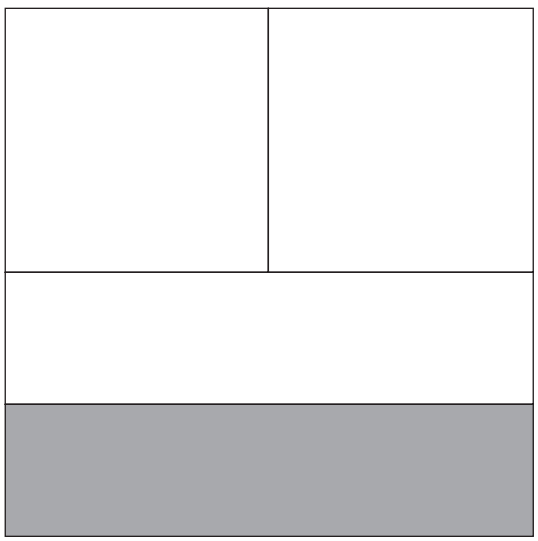
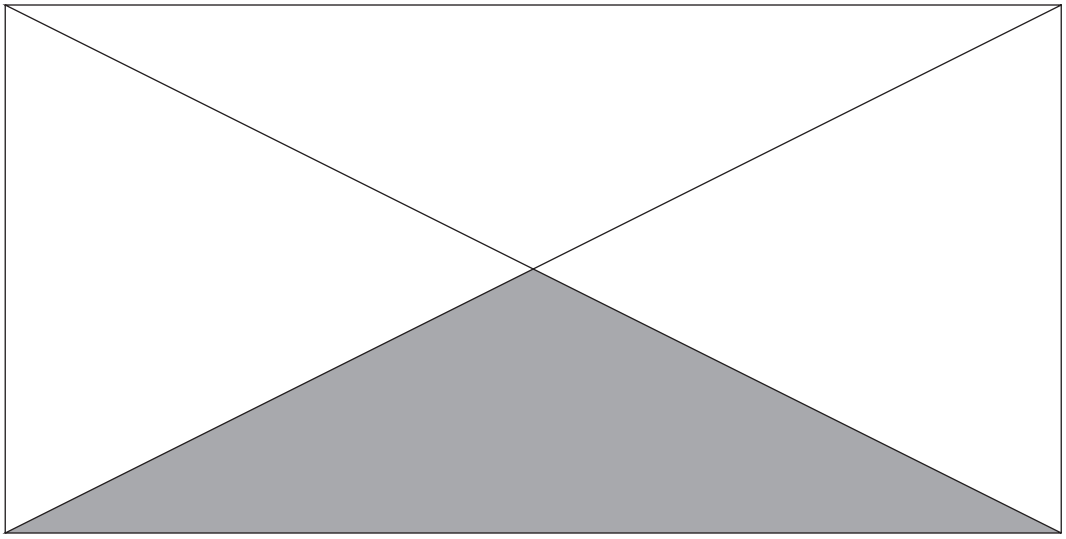


Which of these models represent $\frac{1}{4}$ of the whole? How do you know?

A.



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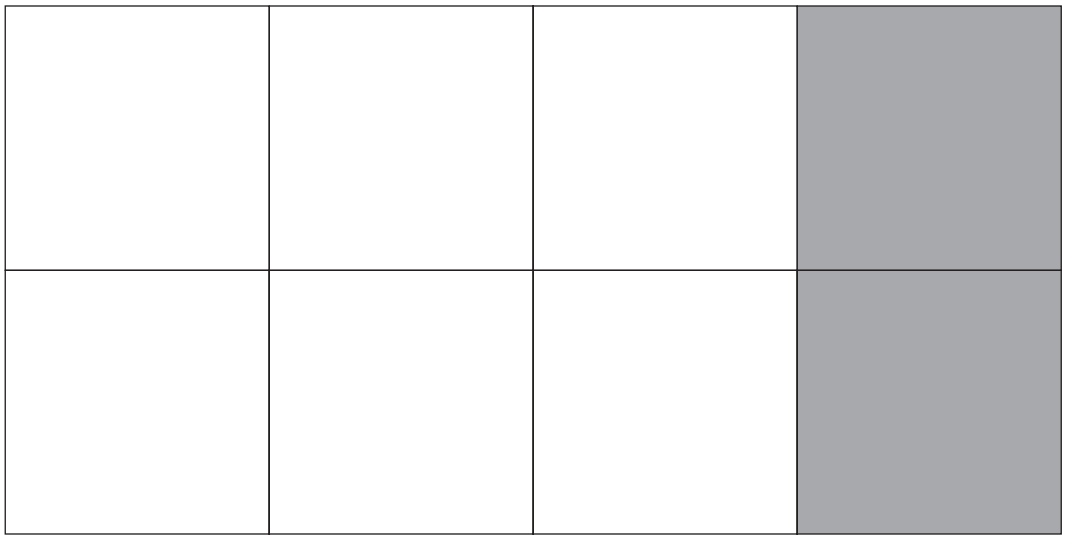

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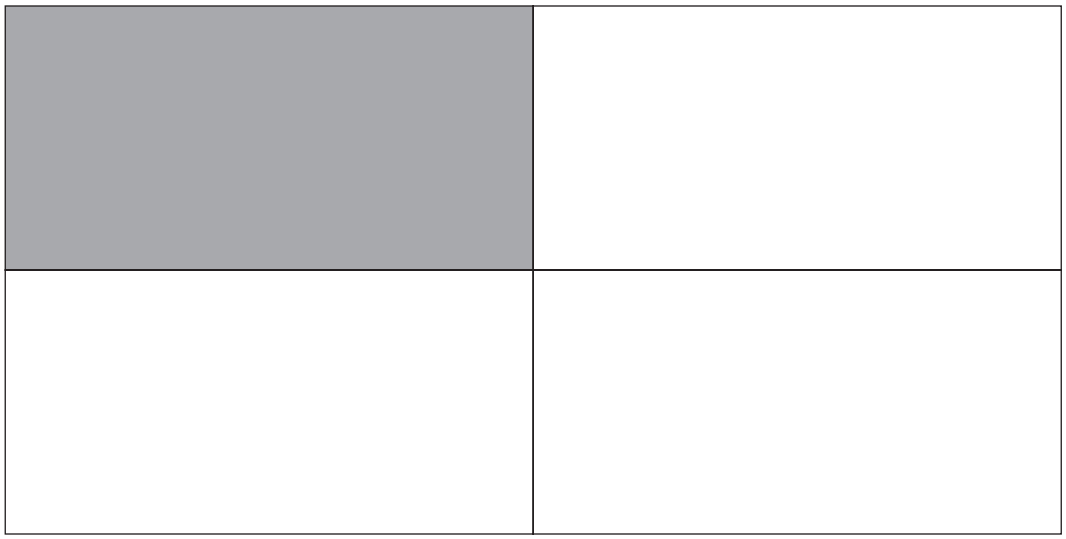

Which of these models represent $\frac{1}{4}$ of the whole? How do you know?

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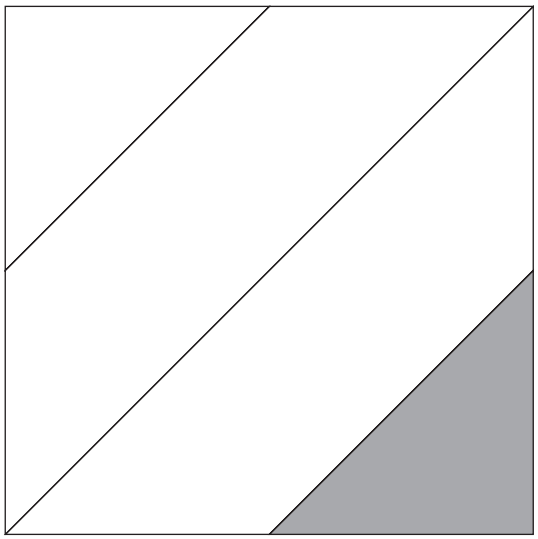

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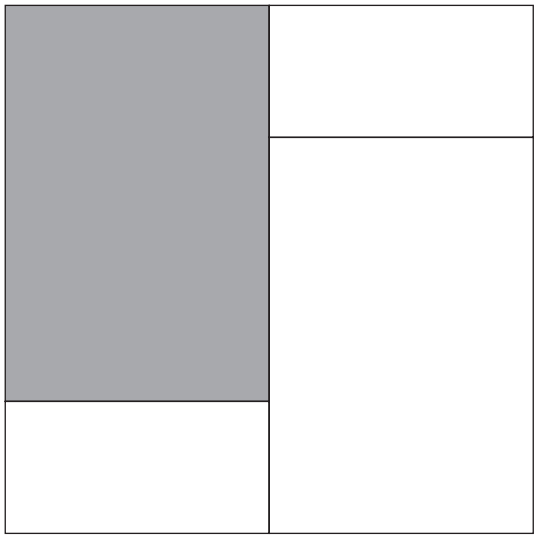

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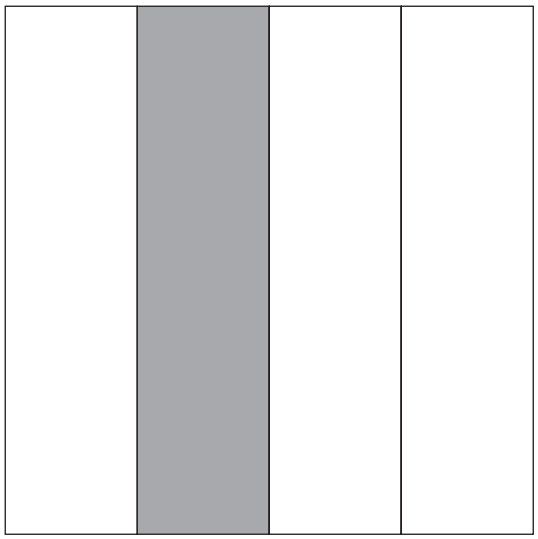
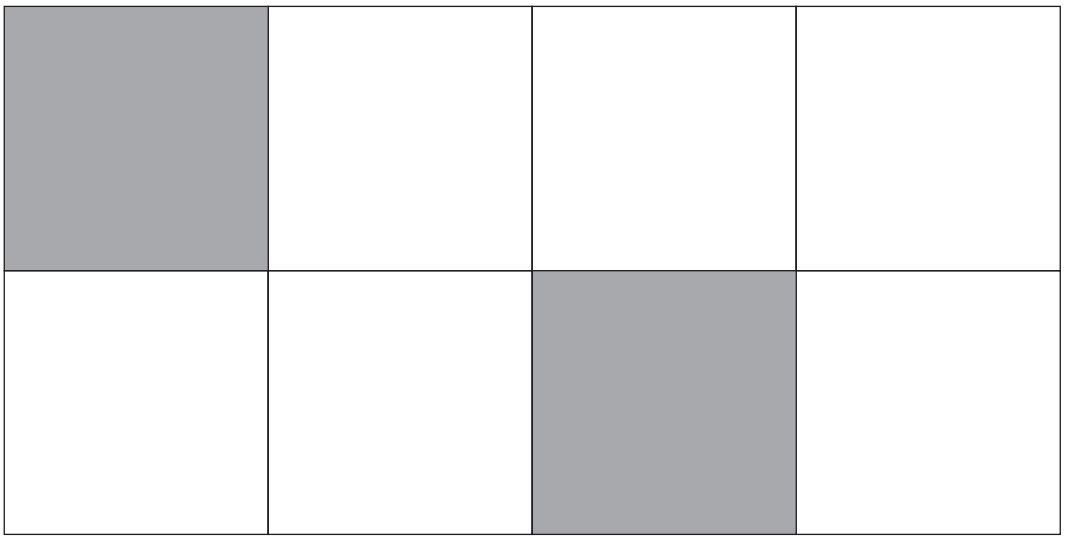


Which of these models represent $\frac{1}{4}$ of the whole? How do you know?

A.



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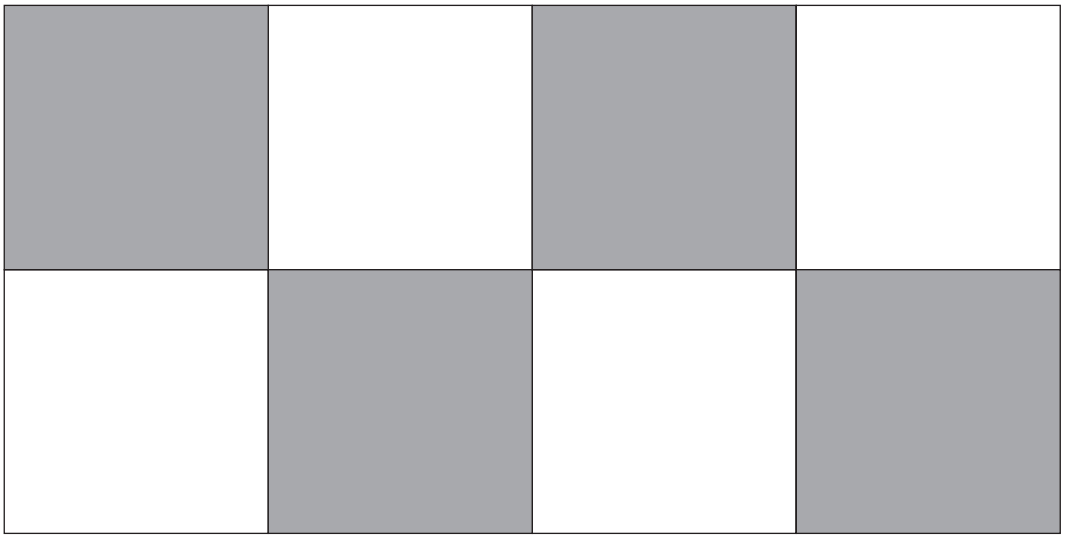

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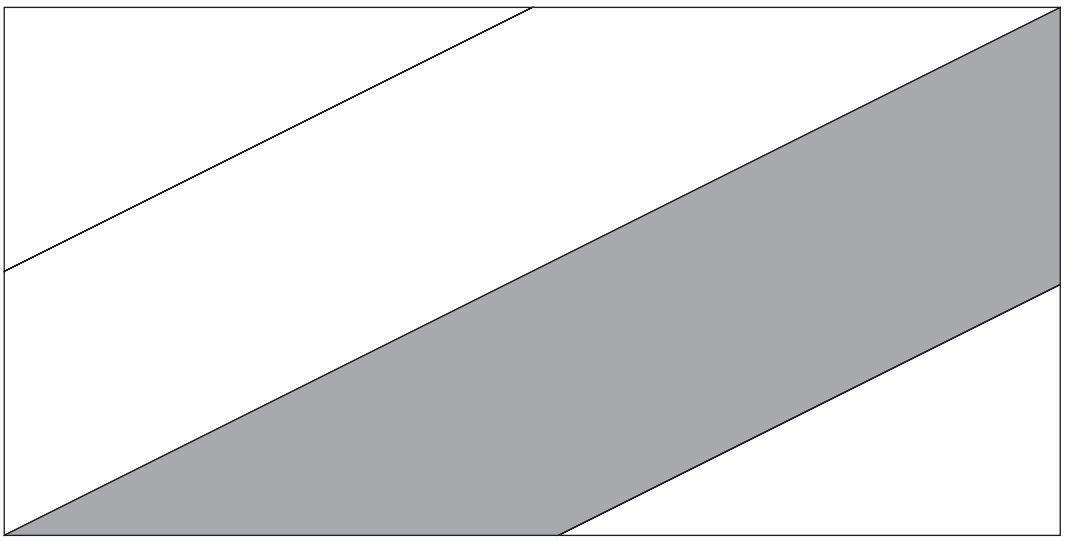
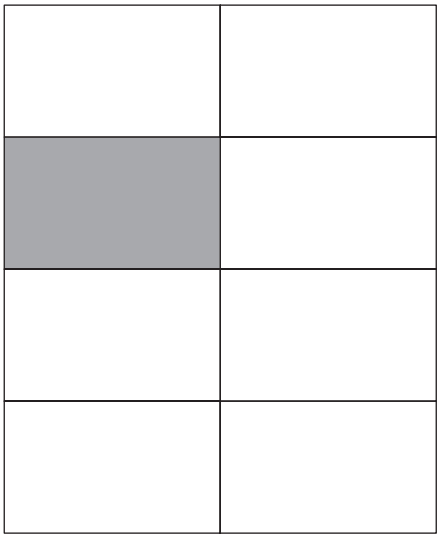


Which of these models represent $\frac{1}{8}$ of the whole? How do you know?

A.



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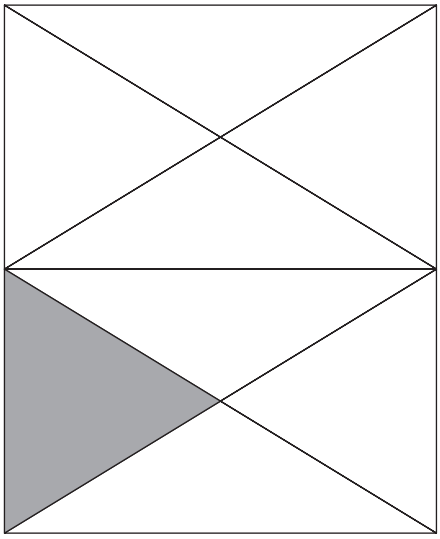

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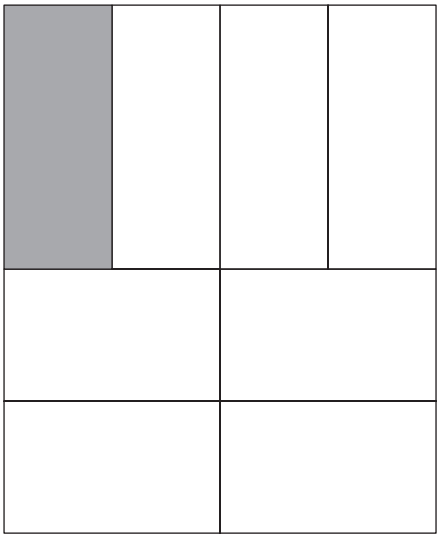
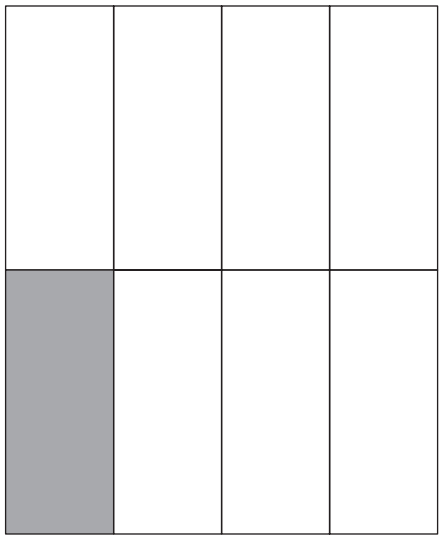


Which of these models represent $\frac{1}{8}$ of the whole? How do you know?

A.



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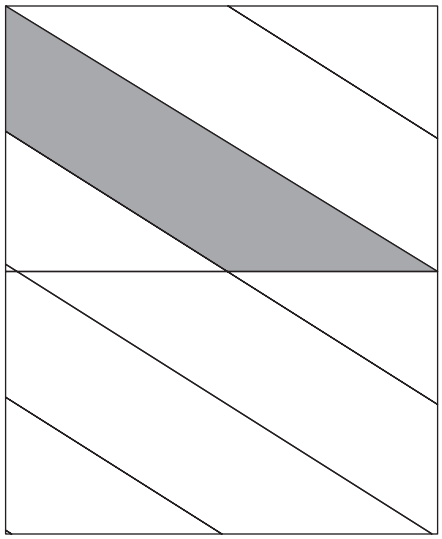

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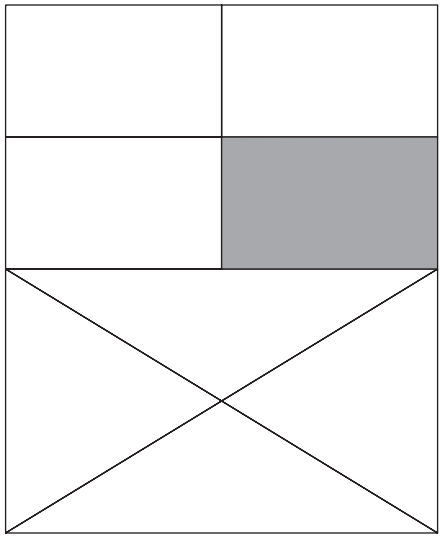
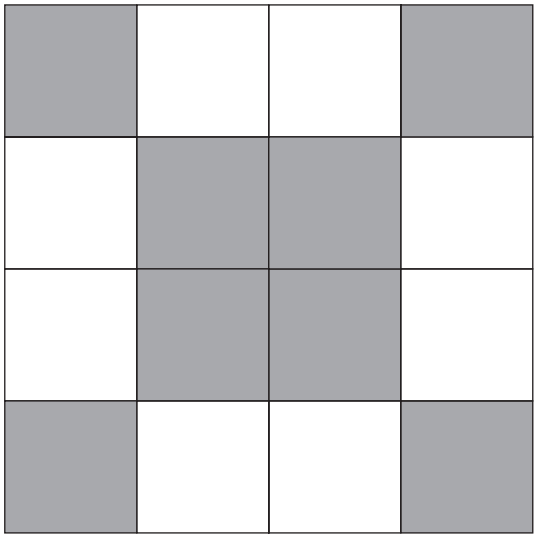


Which of these models represent $\frac{1}{8}$ of the whole? How do you know?

A.



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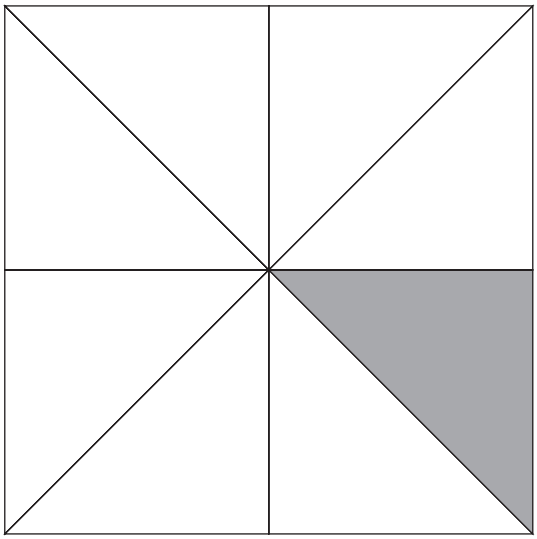

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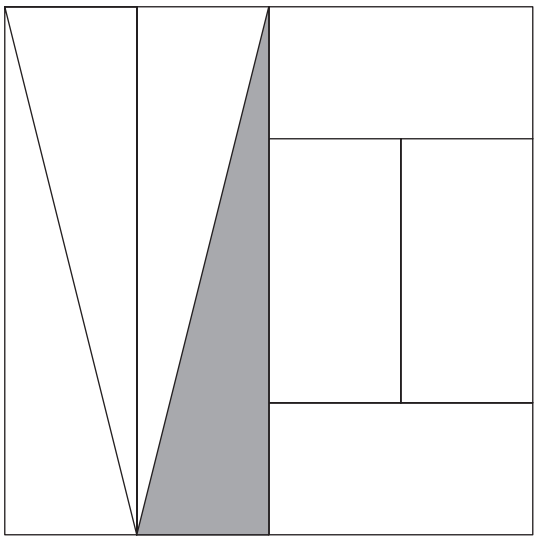
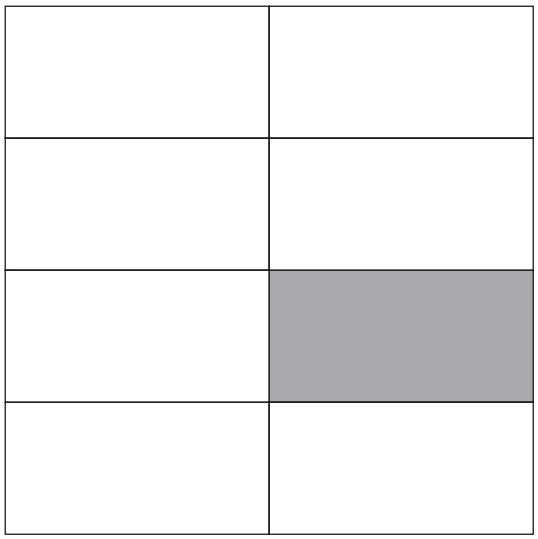


Which of these models represent $\frac{1}{8}$ of the whole? How do you know?

A.



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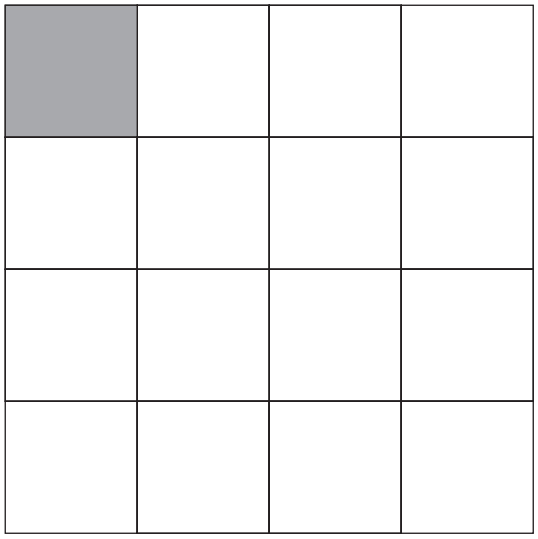

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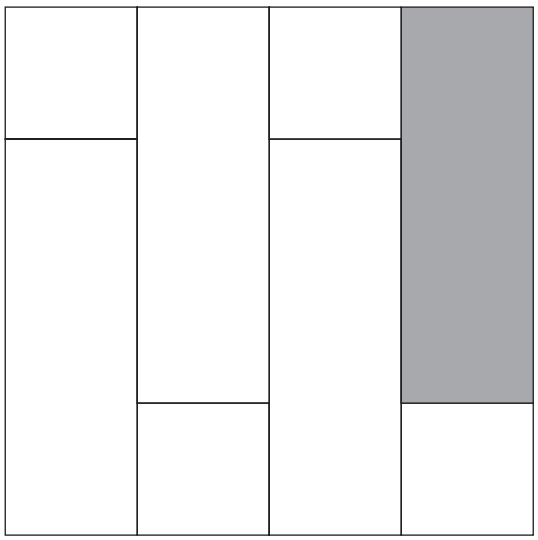

Which of these models represent $\frac{1}{3}$ of the whole? How do you know?

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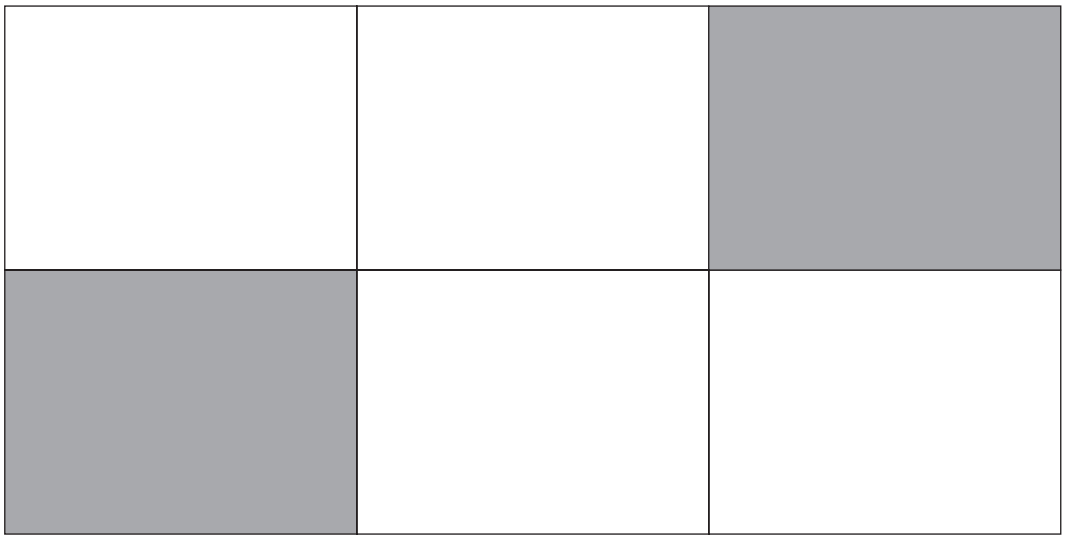

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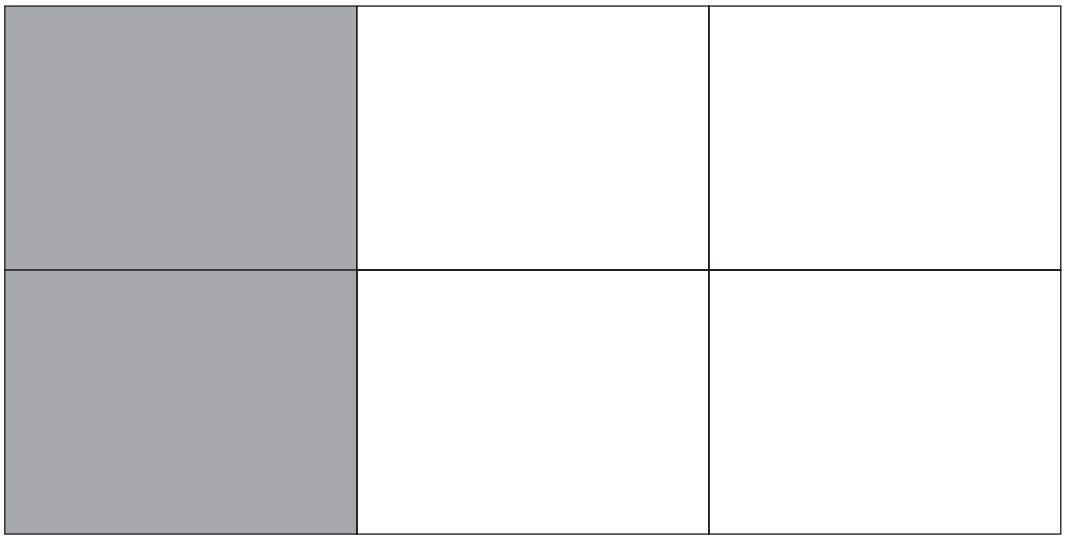
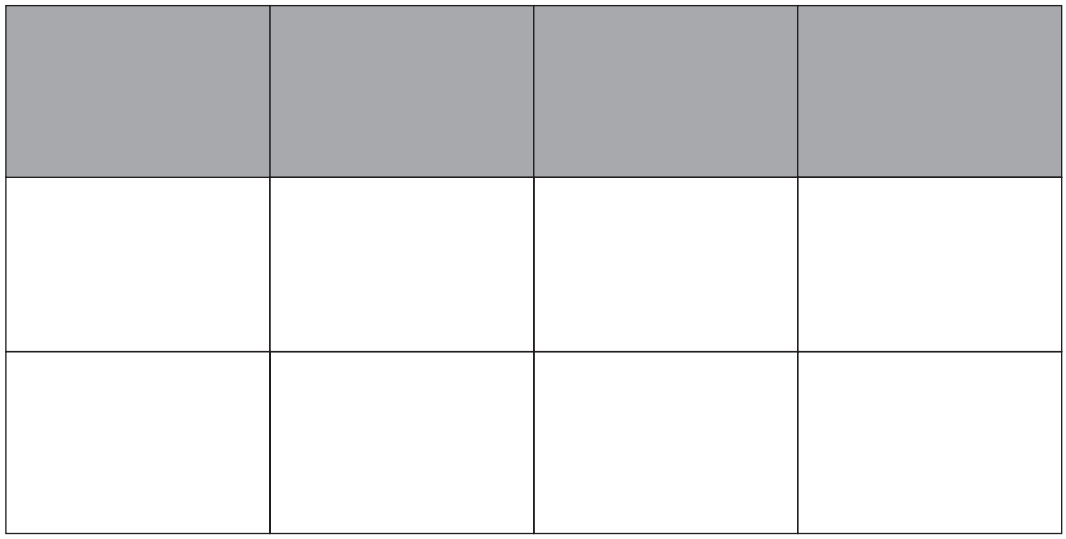


C.

Which of these models represent $\frac{1}{3}$ of the whole? How do you know?

A.



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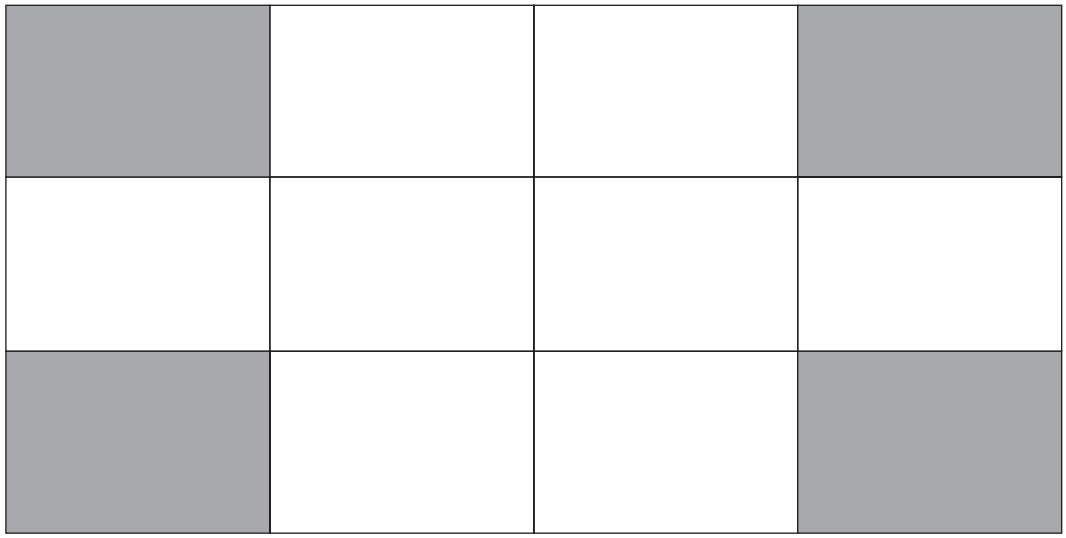

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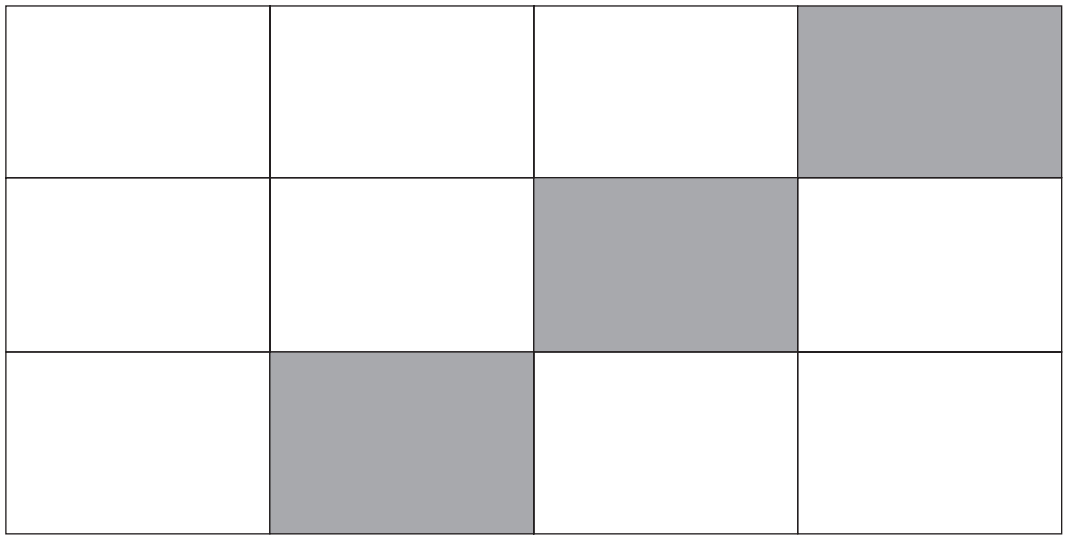
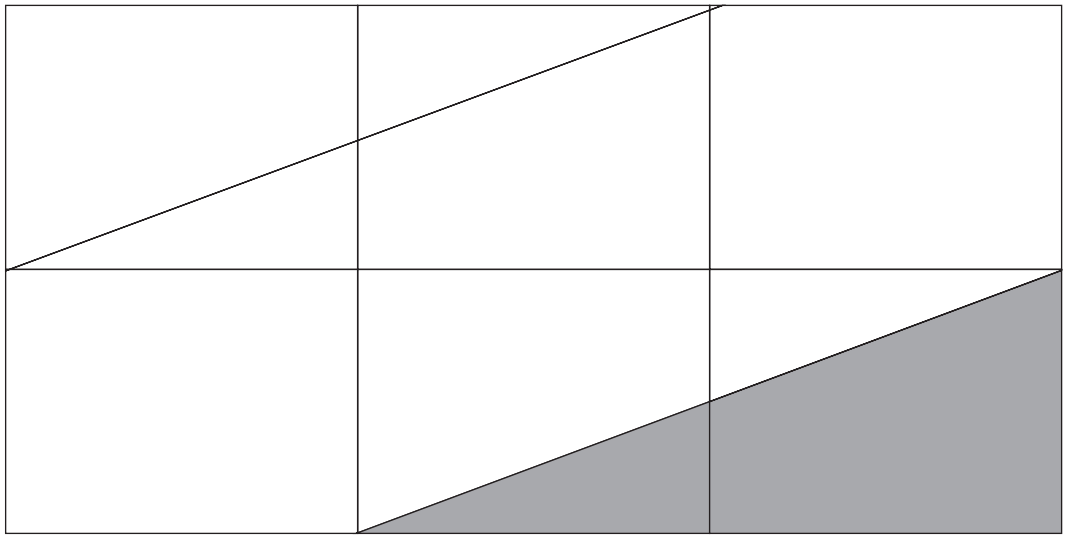


Which of these models represent $\frac{1}{3}$ of the whole? How do you know?

A.



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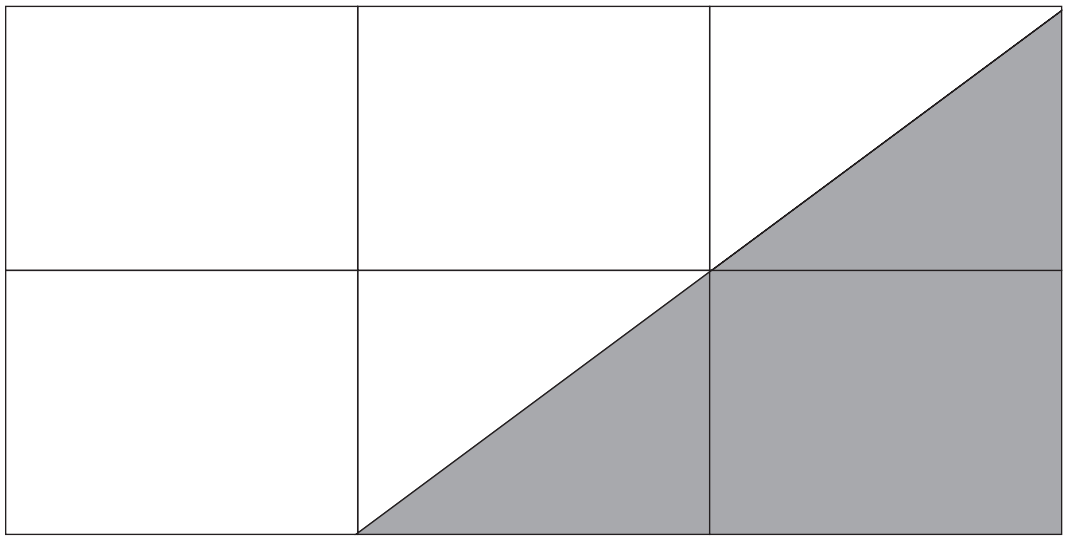
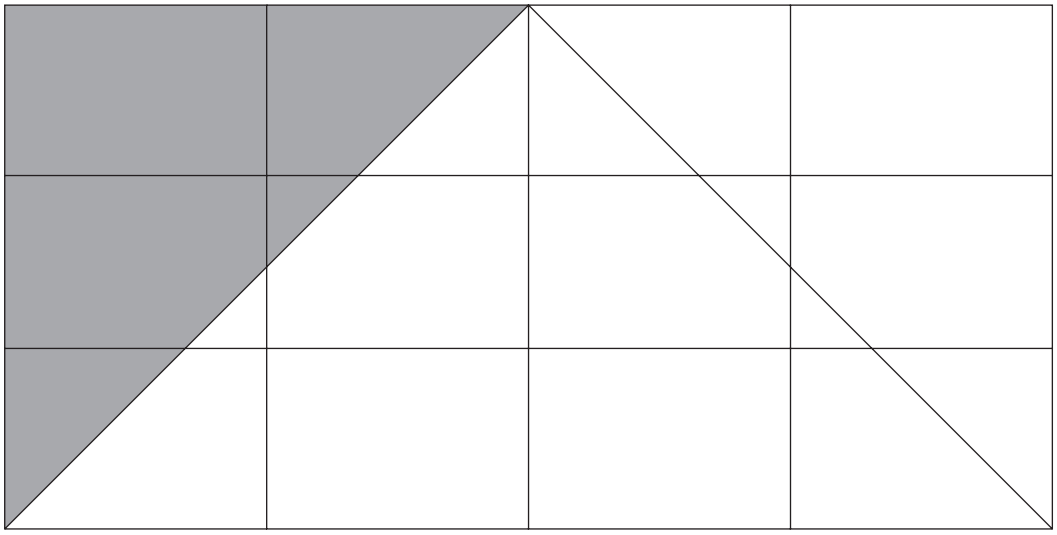


Which of these models represent $\frac{1}{3}$ of the whole? How do you know?

A.



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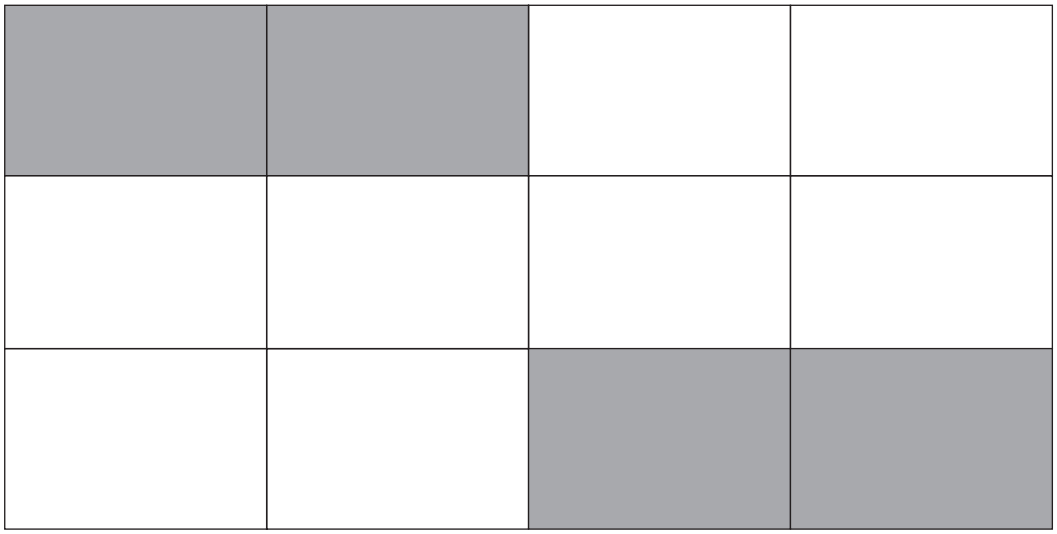

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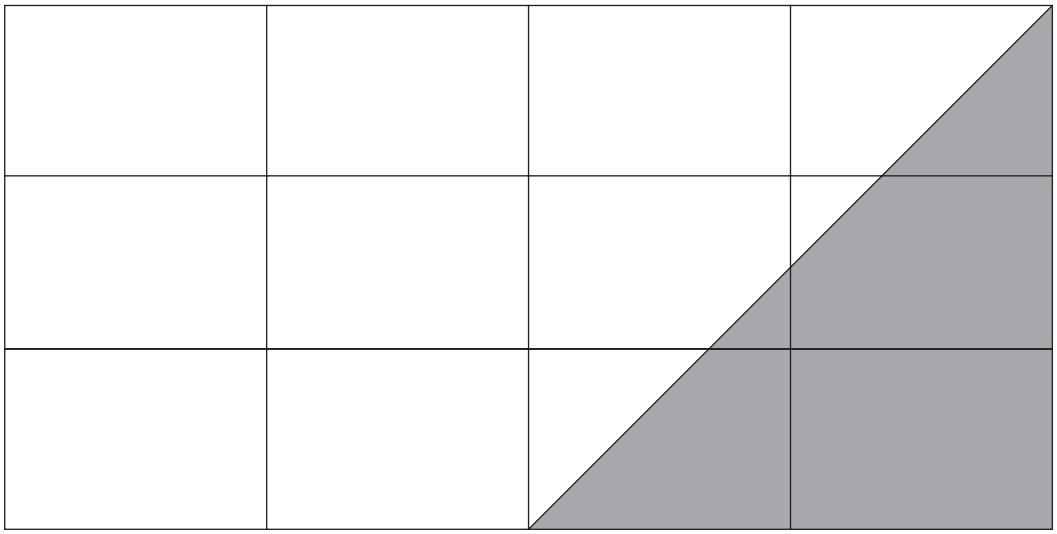
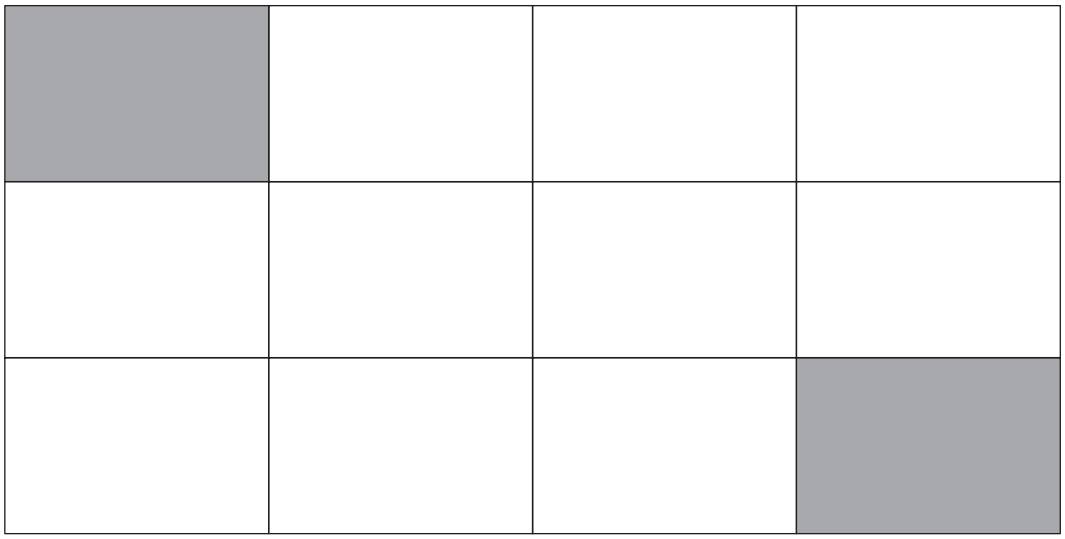


Which of these models represent $\frac{1}{6}$ of the whole? How do you know?

A.



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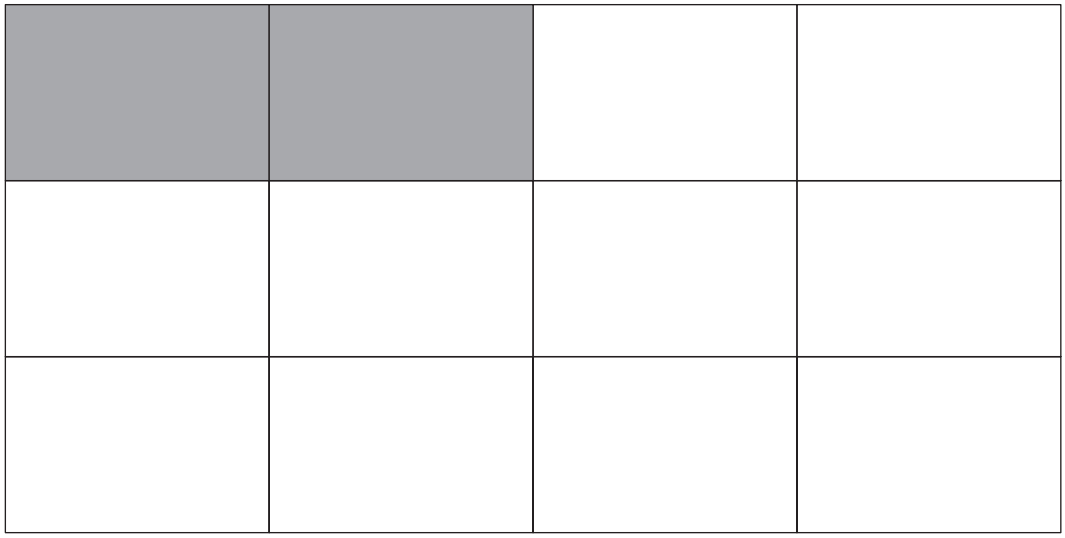

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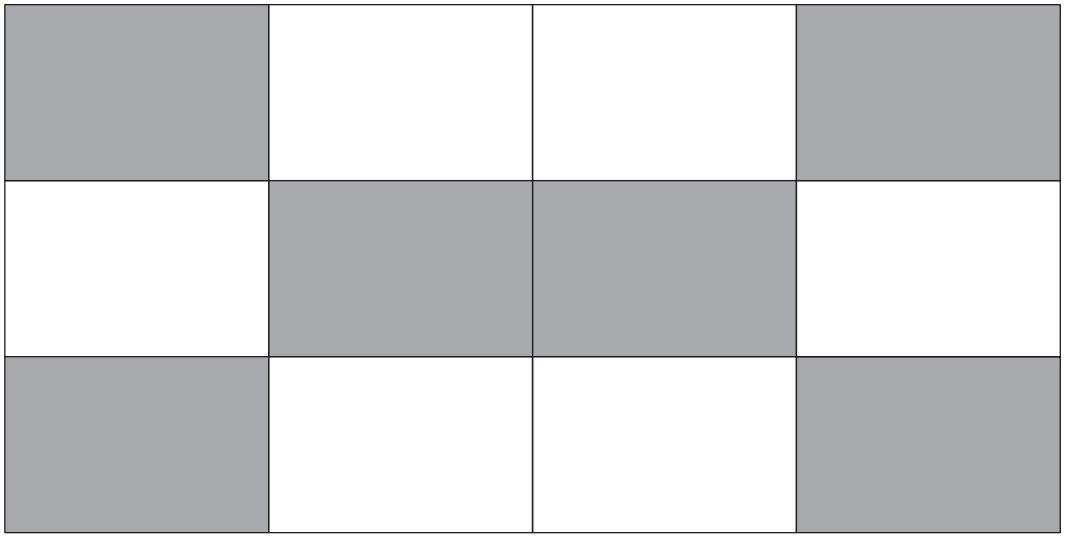
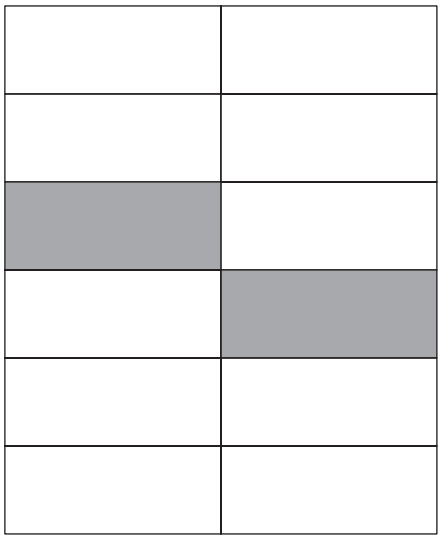


Which of these models represent $\frac{1}{6}$ of the whole? How do you know?

A.



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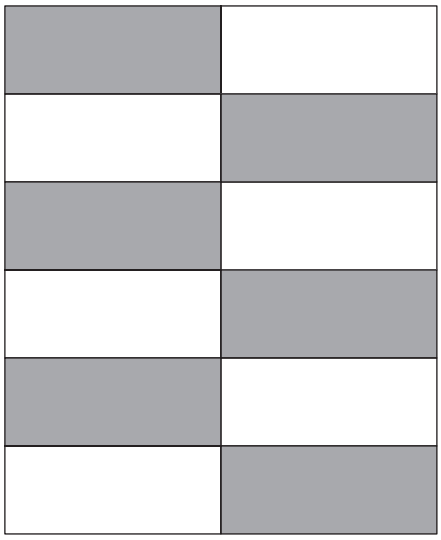

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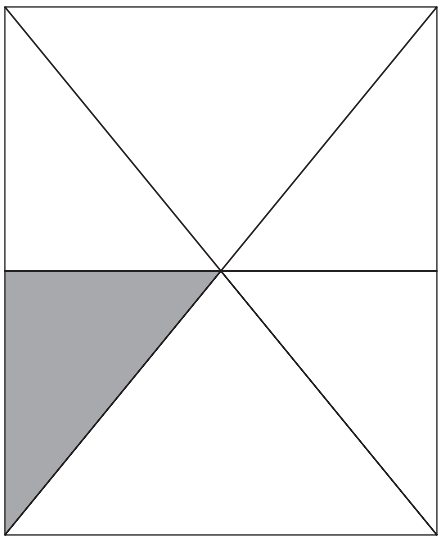
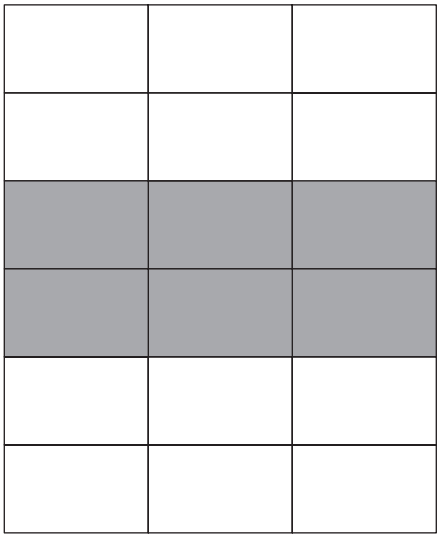


Which of these models represent $\frac{1}{6}$ of the whole? How do you know?

A.



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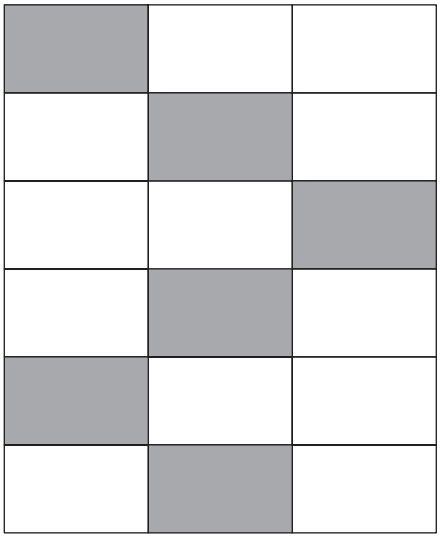

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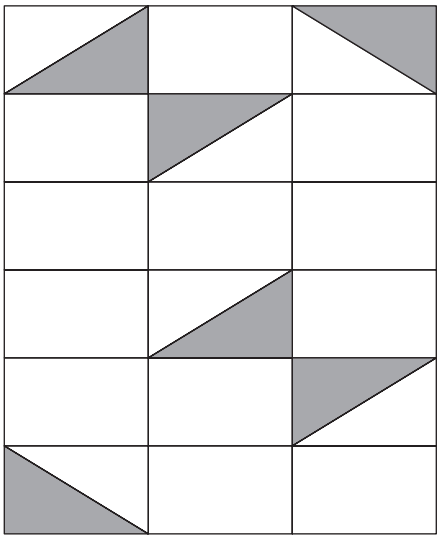
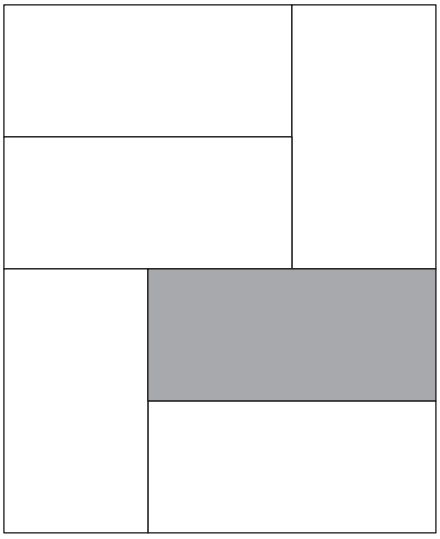
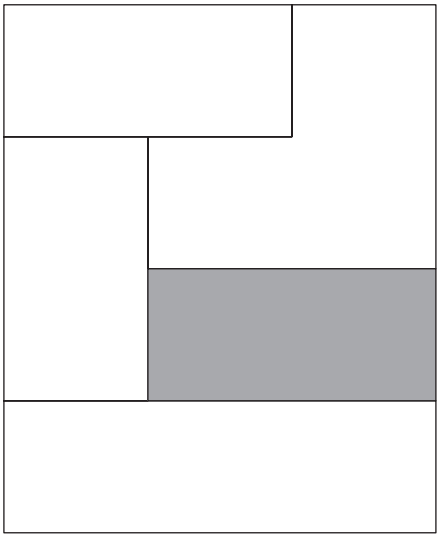


Which of these models represent $\frac{1}{6}$ of the whole? How do you know?

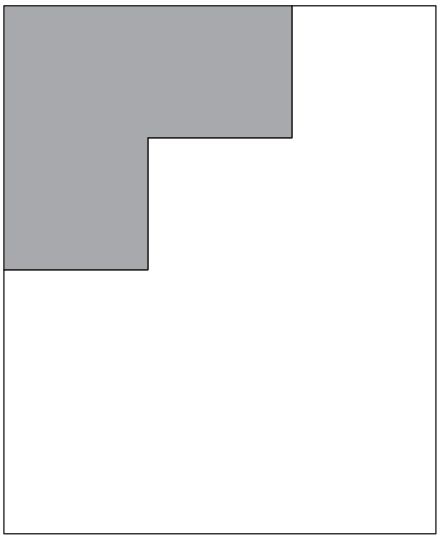
A.



B.

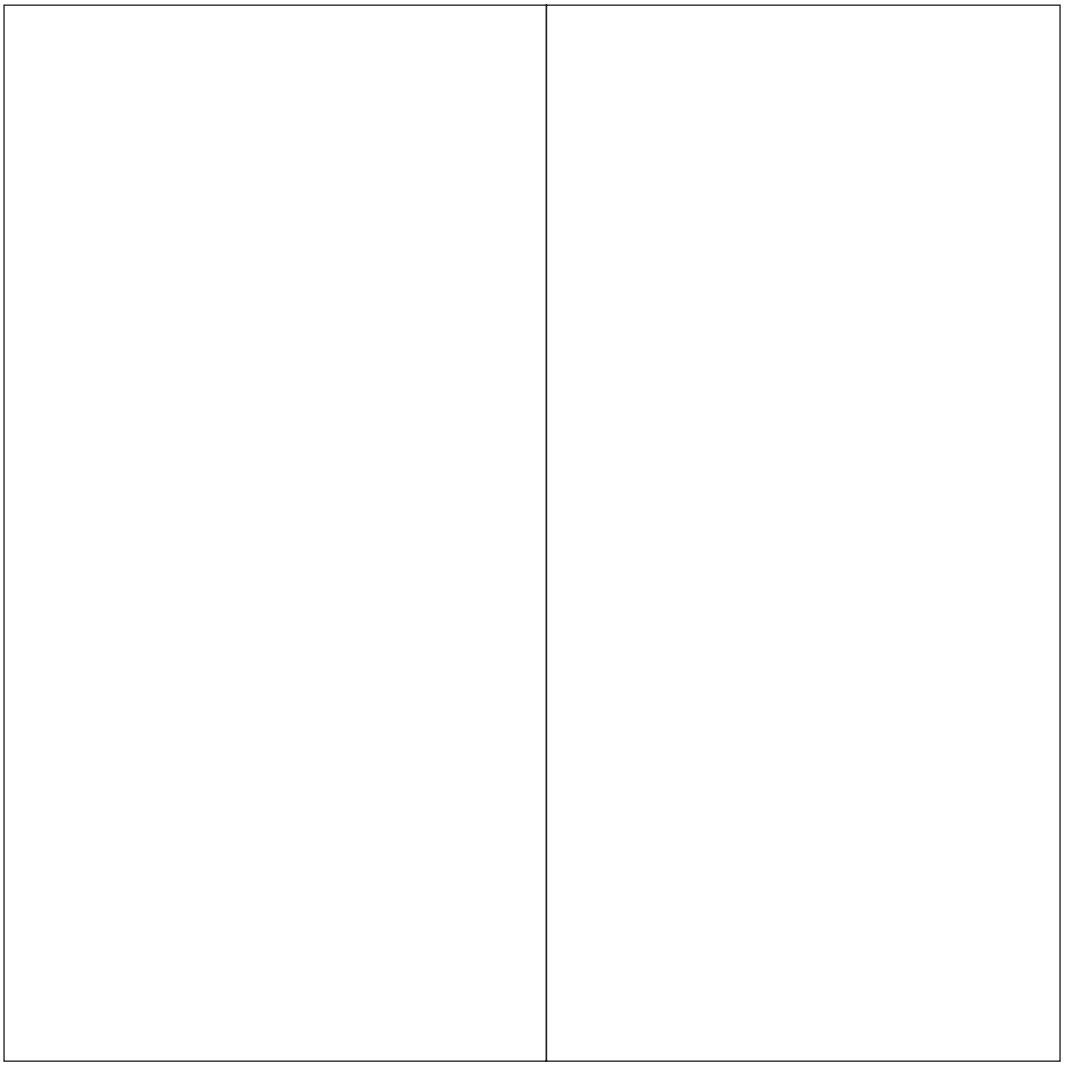


C.



Can you see $\frac{1}{2}$ of the whole? Can you see $\frac{1}{2}$ in a different way? How can you prove your thinking?

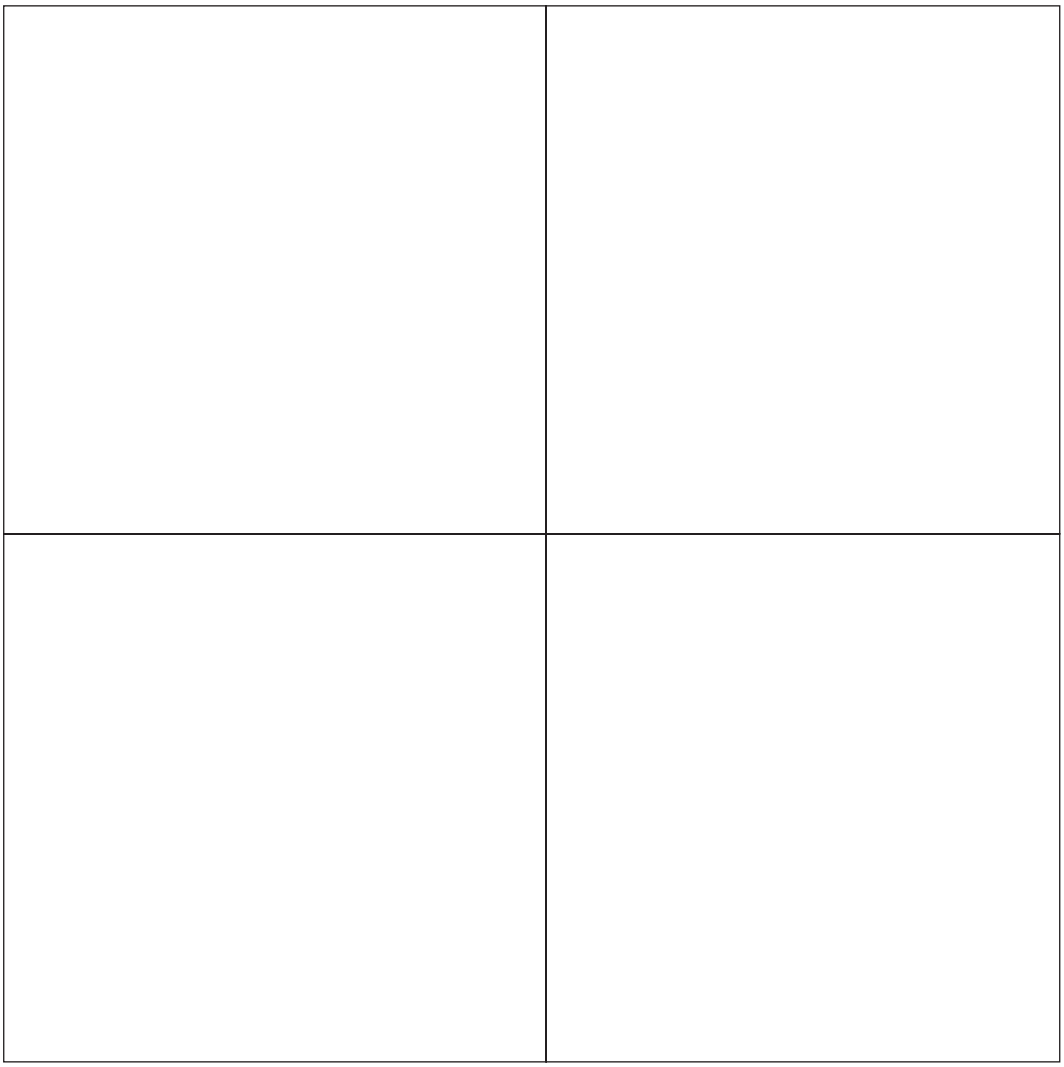
A.



$\frac{1}{2}$?

Can you see $\frac{1}{2}$ of the whole? Can you see $\frac{1}{2}$ in a different way? How can you prove your thinking?

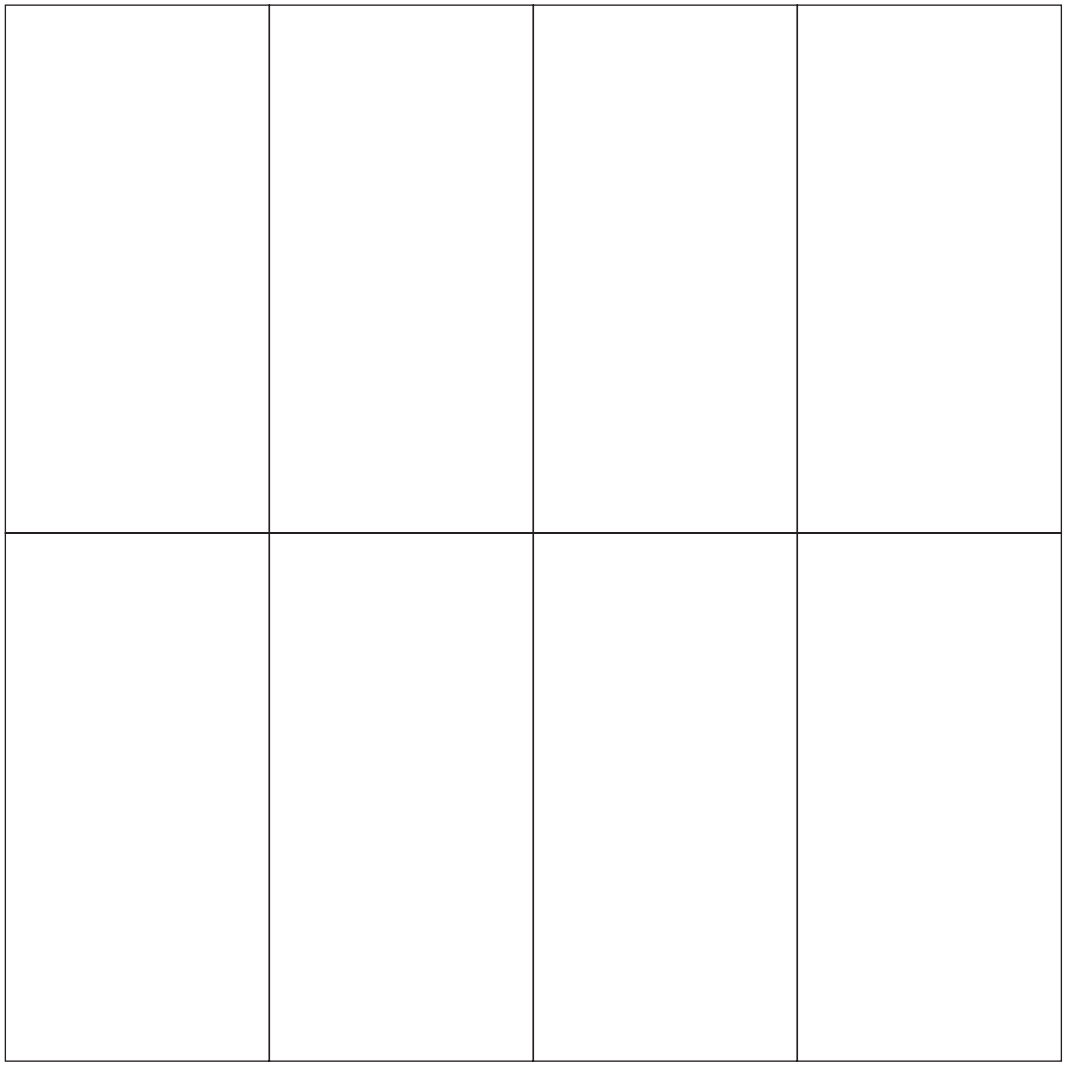
B.



$\frac{1}{2}$? $\frac{2}{4}$?

Can you see $\frac{1}{2}$ of the whole? Can you see $\frac{1}{2}$ in a different way? How can you prove your thinking?

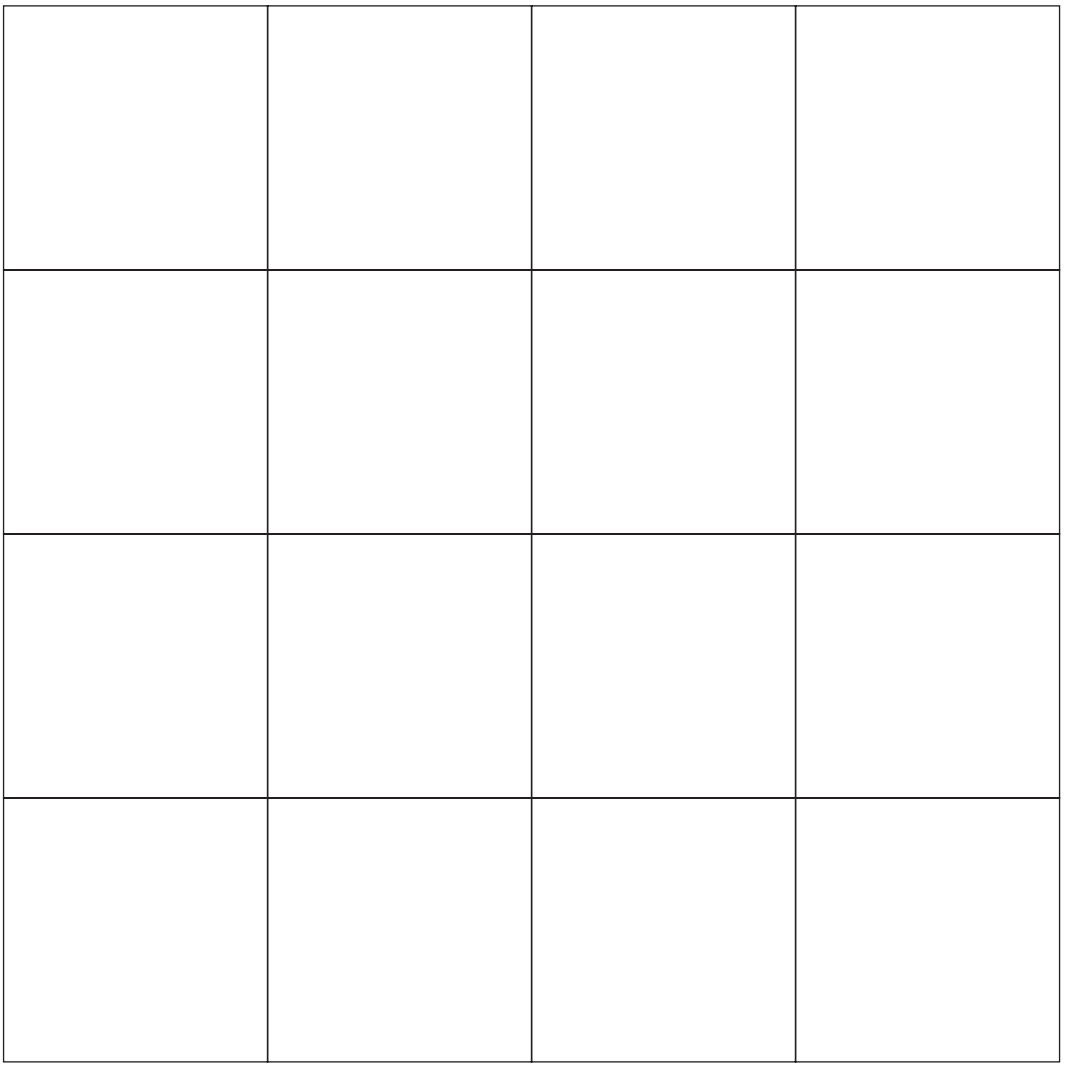
C.



$\frac{1}{2}$? $\frac{4}{8}$?

Can you see $\frac{1}{2}$ of the whole? Can you see $\frac{1}{2}$ in a different way? How can you prove your thinking?

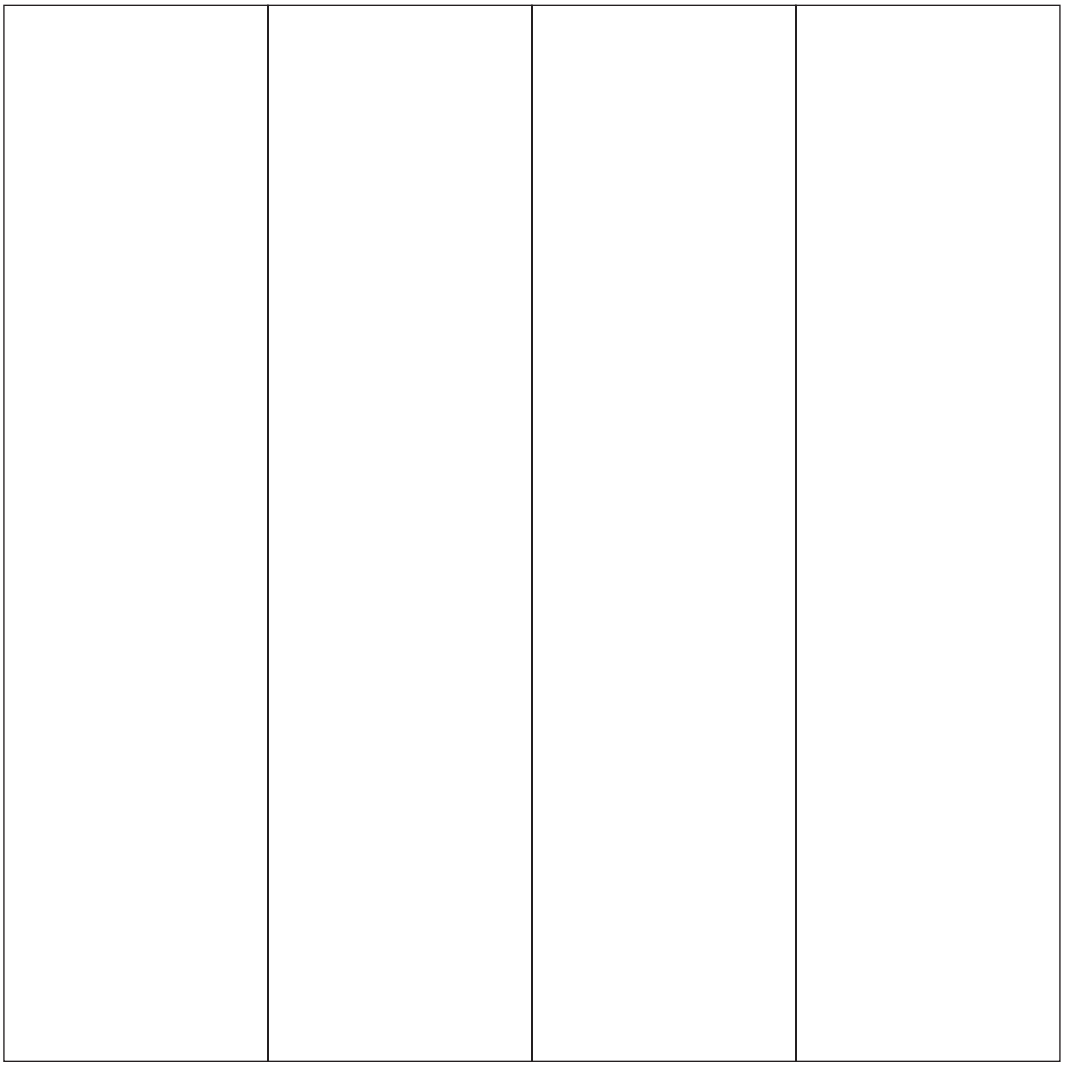
D.



$\frac{1}{2}$? $\frac{8}{16}$?

Can you see $\frac{1}{4}$ of the whole? Can you see $\frac{1}{4}$ in a different way? How can you prove your thinking?

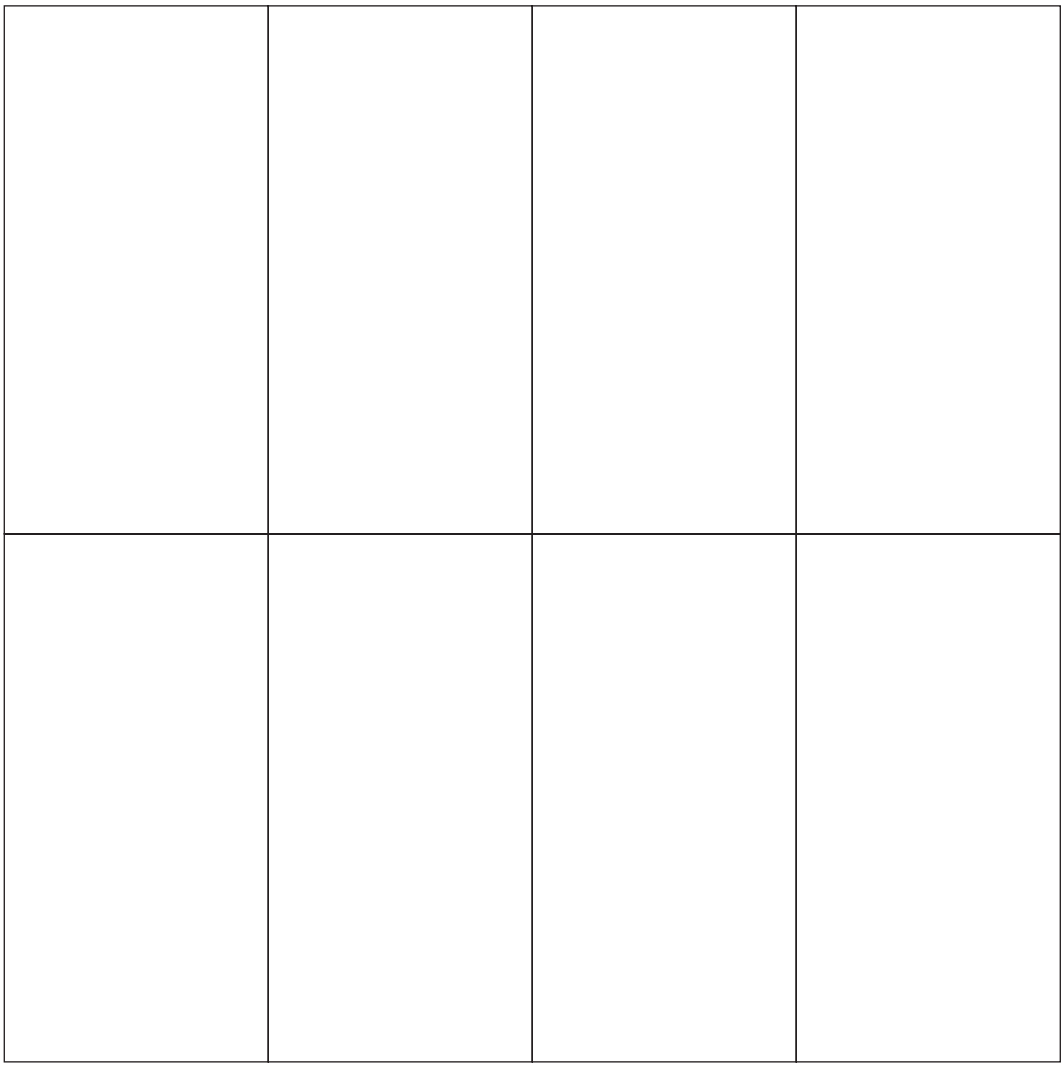
A.



$\frac{1}{4}$?

Can you see $\frac{1}{4}$ of the whole? Can you see $\frac{1}{4}$ in a different way? How can you prove your thinking?

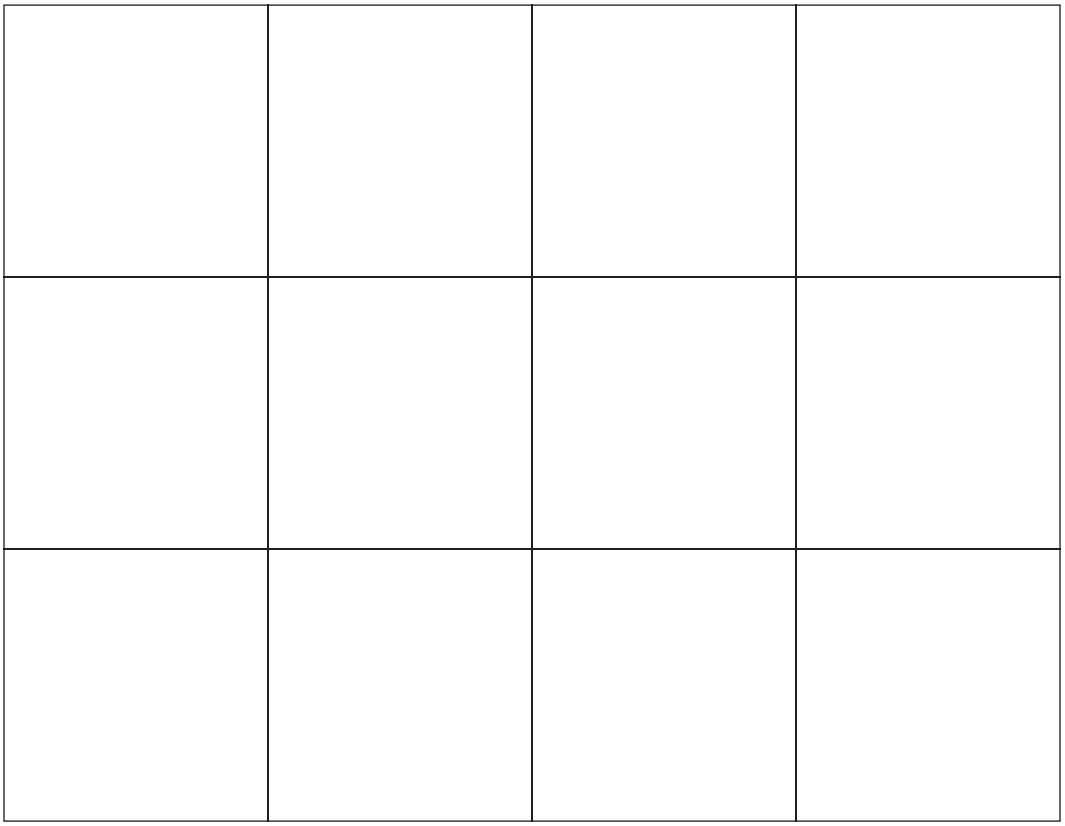
B.



$\frac{1}{4}$? $\frac{2}{8}$?

Can you see $\frac{1}{4}$ of the whole? Can you see $\frac{1}{4}$ in a different way? How can you prove your thinking?

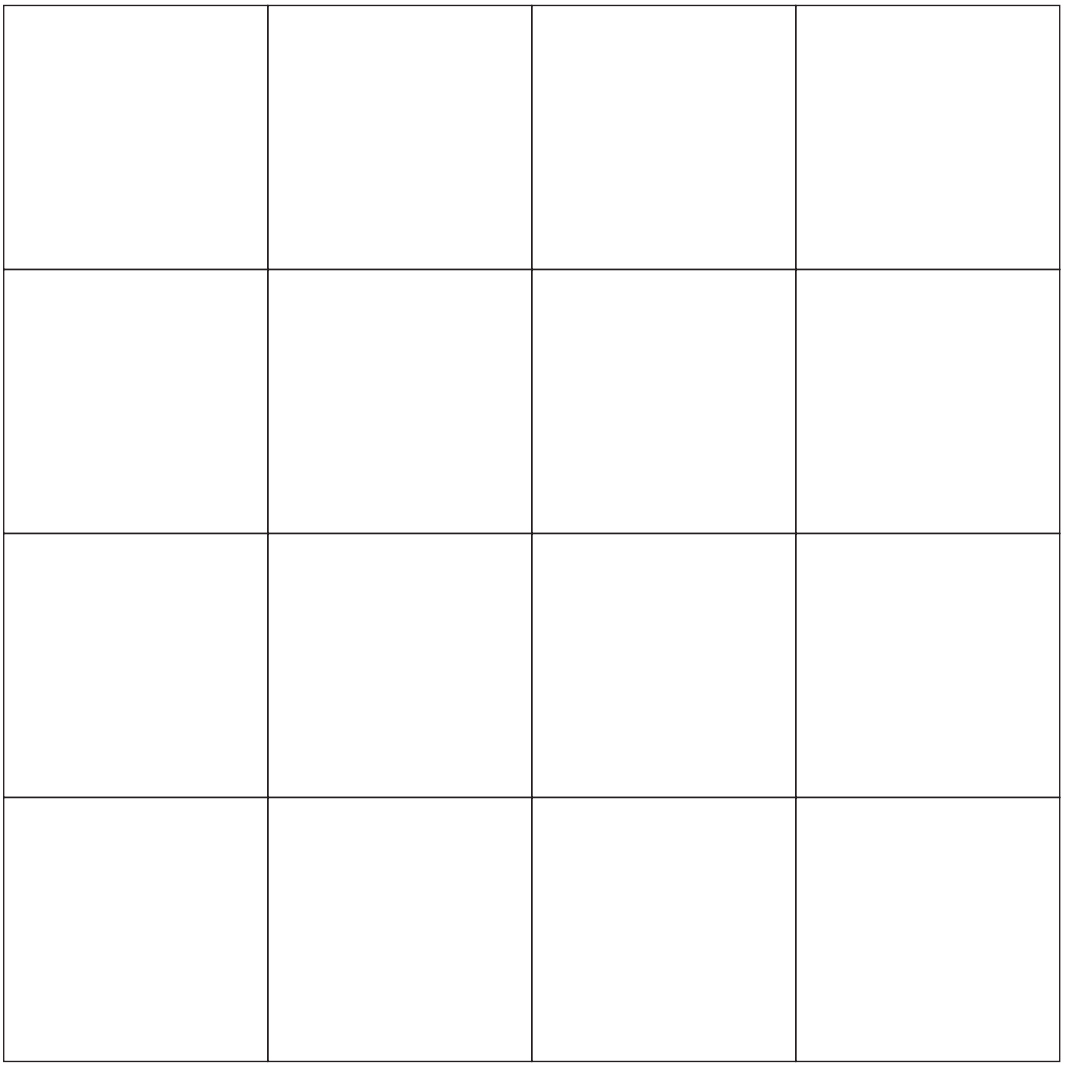
C.



$\frac{1}{4}$? $\frac{3}{12}$?

Can you see $\frac{1}{4}$ of the whole? Can you see $\frac{1}{4}$ in a different way? How can you prove your thinking?

D.

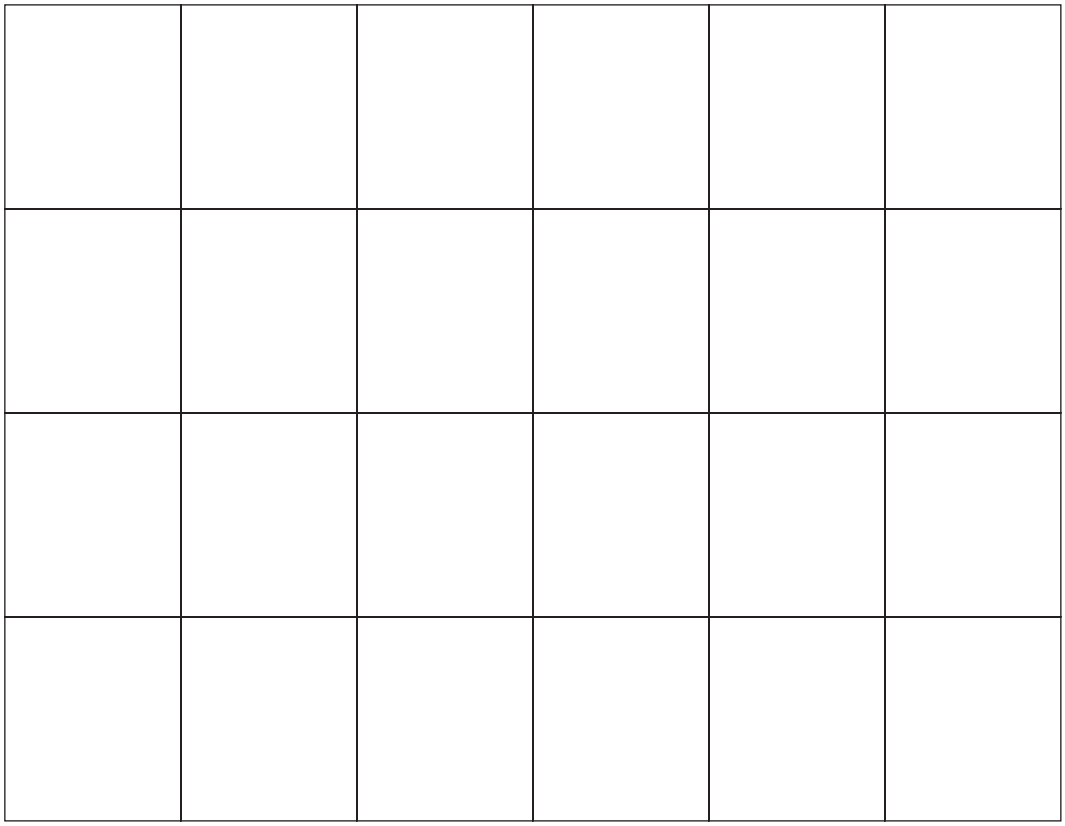


$\frac{1}{4}$?

$\frac{4}{16}$?

Can you see $\frac{1}{4}$ of the whole? Can you see $\frac{1}{4}$ in a different way? How can you prove your thinking?

E.

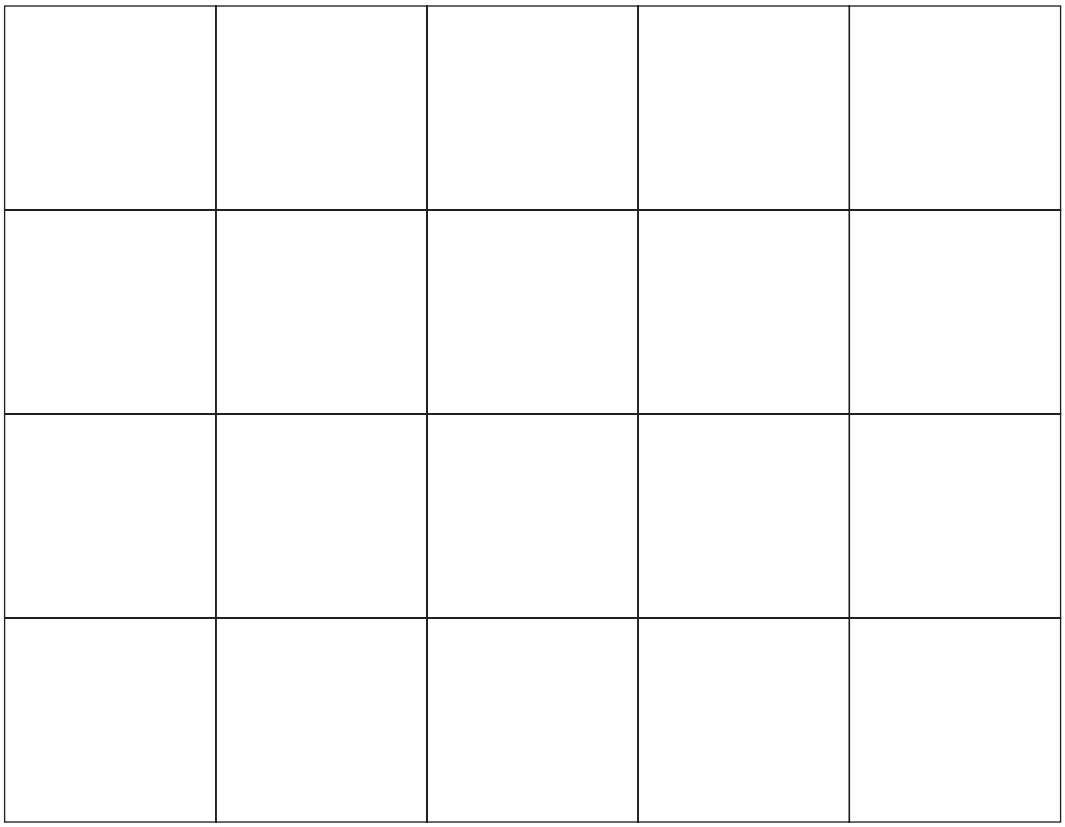


$\frac{1}{4}$?

$\frac{6}{24}$?

Can you see $\frac{1}{4}$ of the whole? Can you see $\frac{1}{4}$ in a different way? How can you prove your thinking?

F.

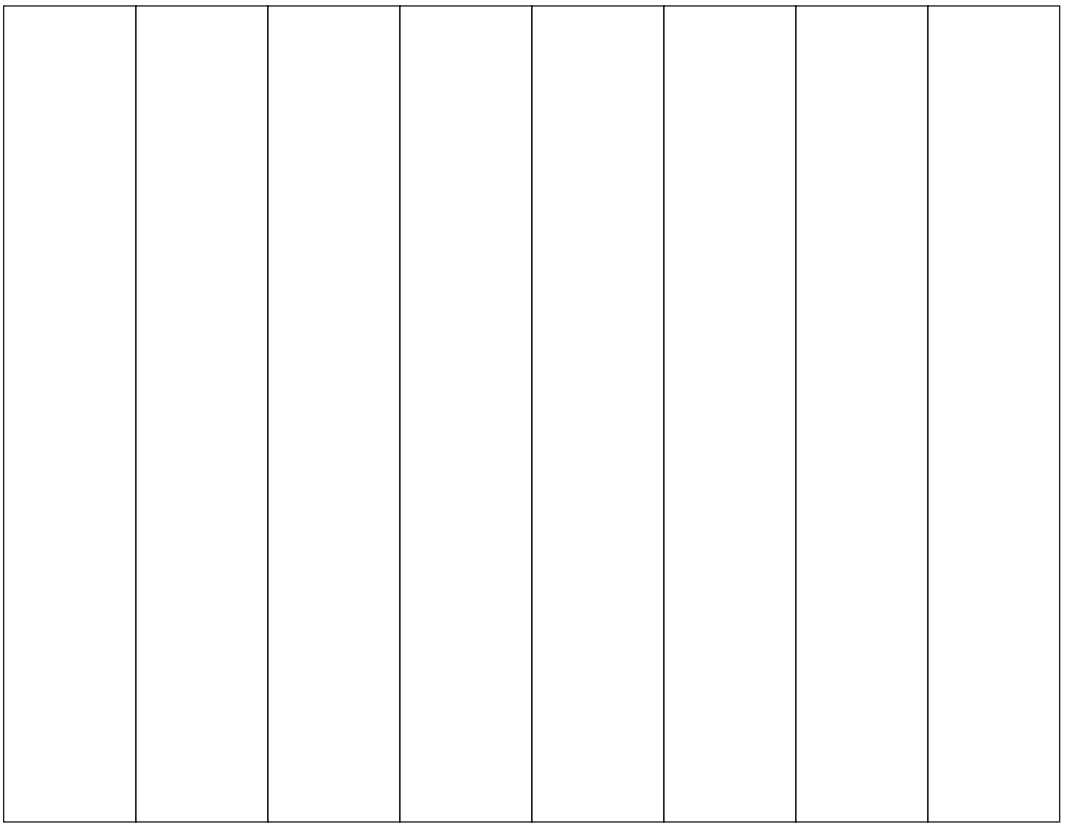


$\frac{1}{4}$?

$\frac{5}{20}$?

Can you see $\frac{1}{8}$ of the whole? Can you see $\frac{1}{8}$ in a different way? How can you prove your thinking?

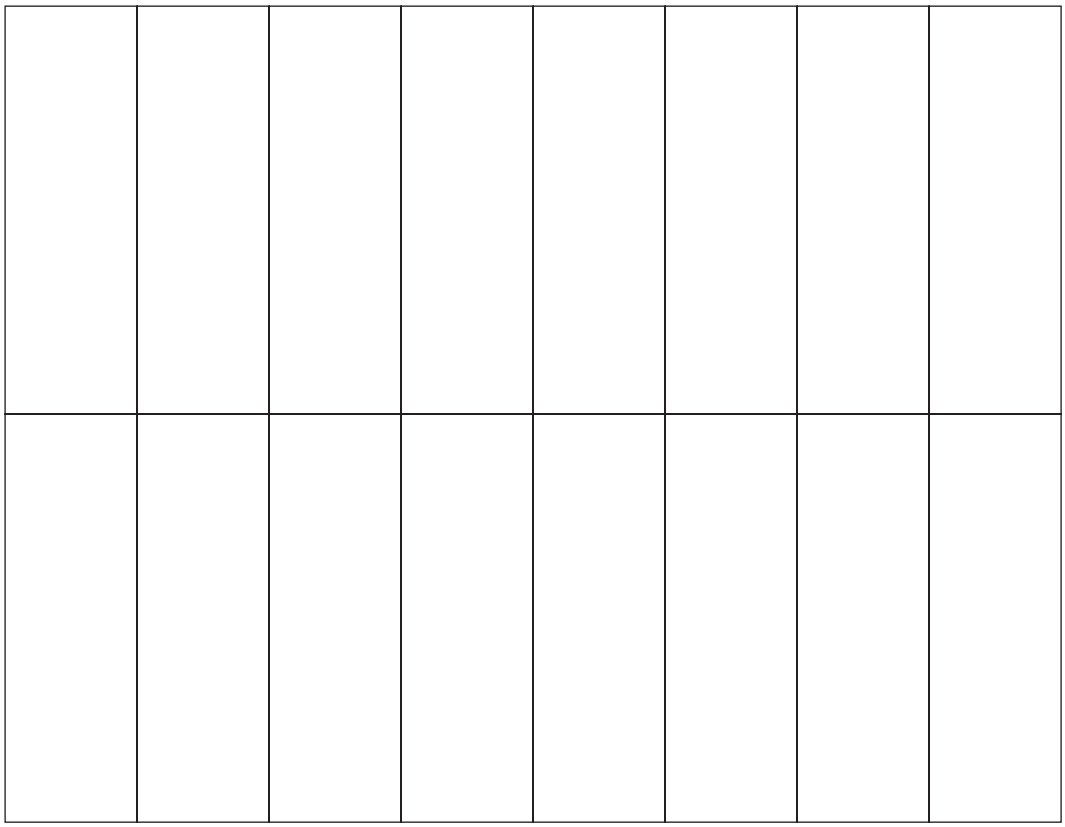
A.



$$\frac{1}{8}\ ?$$

Can you see $\frac{1}{8}$ of the whole? Can you see $\frac{1}{8}$ in a different way? How can you prove your thinking?

B.

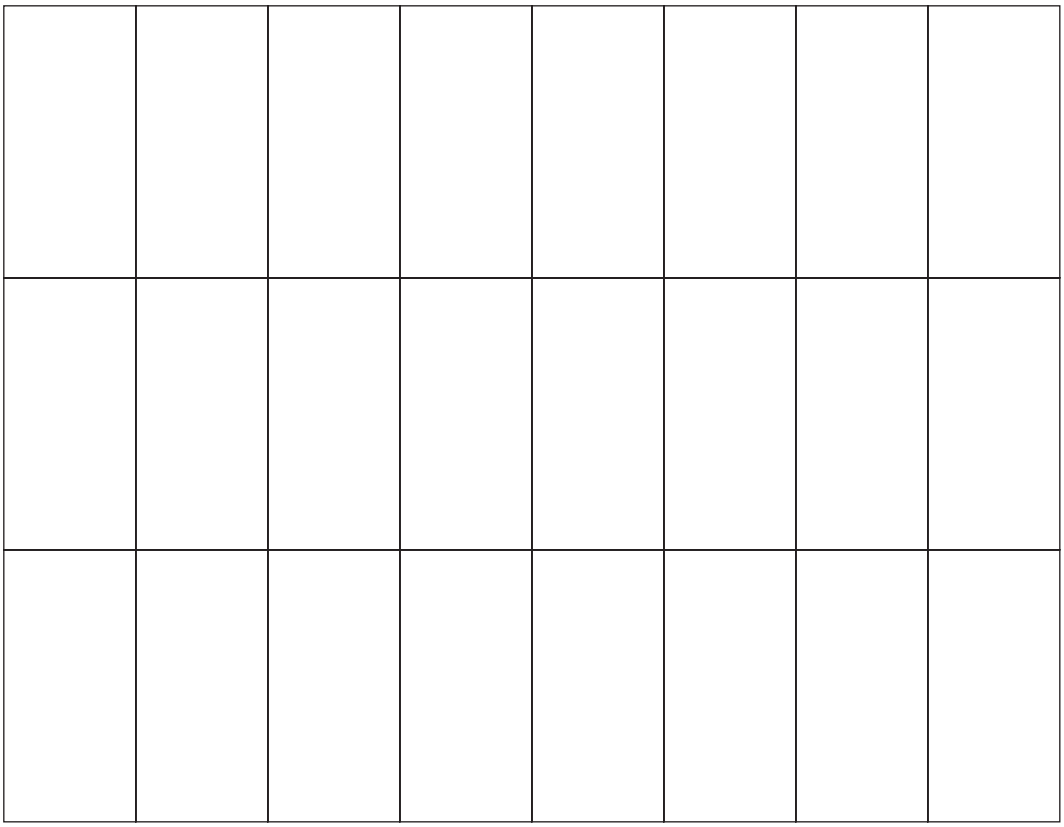


$\frac{1}{8}$?

$\frac{2}{16}$?

Can you see $\frac{1}{8}$ of the whole? Can you see $\frac{1}{8}$ in a different way? How can you prove your thinking?

C.

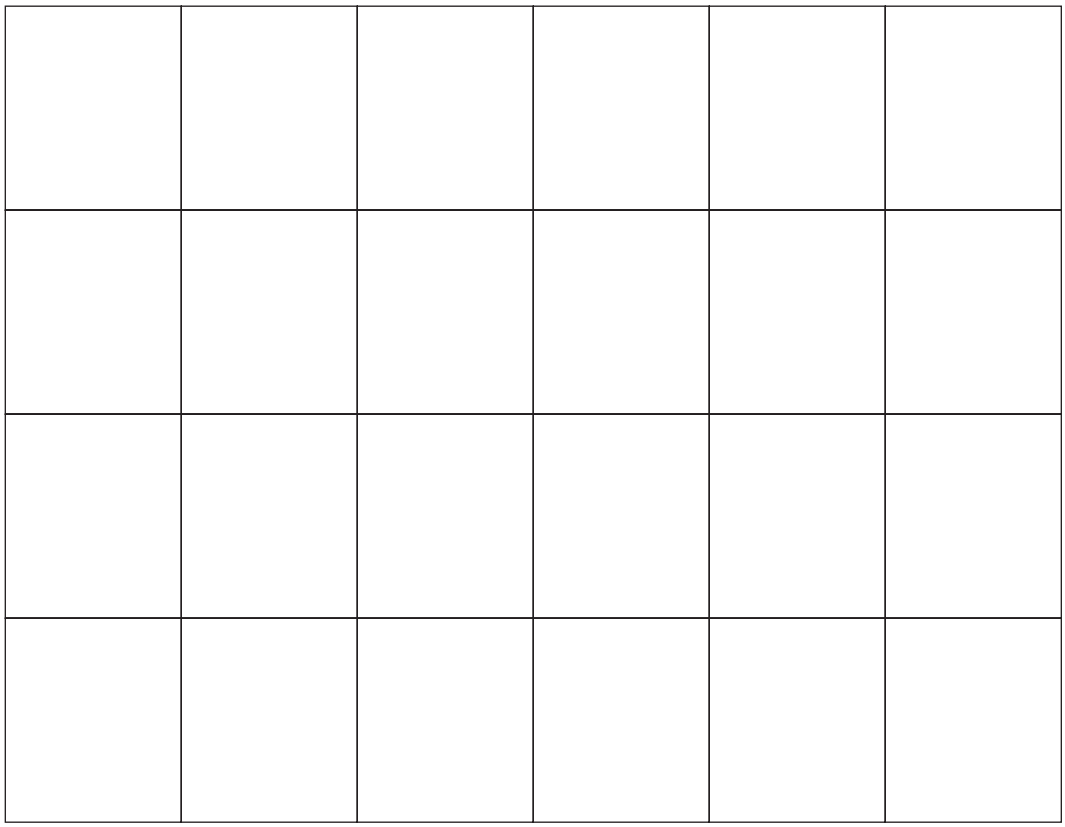


$\frac{1}{8}$?

$\frac{3}{24}$?

Can you see $\frac{1}{8}$ of the whole? Can you see $\frac{1}{8}$ in a different way? How can you prove your thinking?

D.

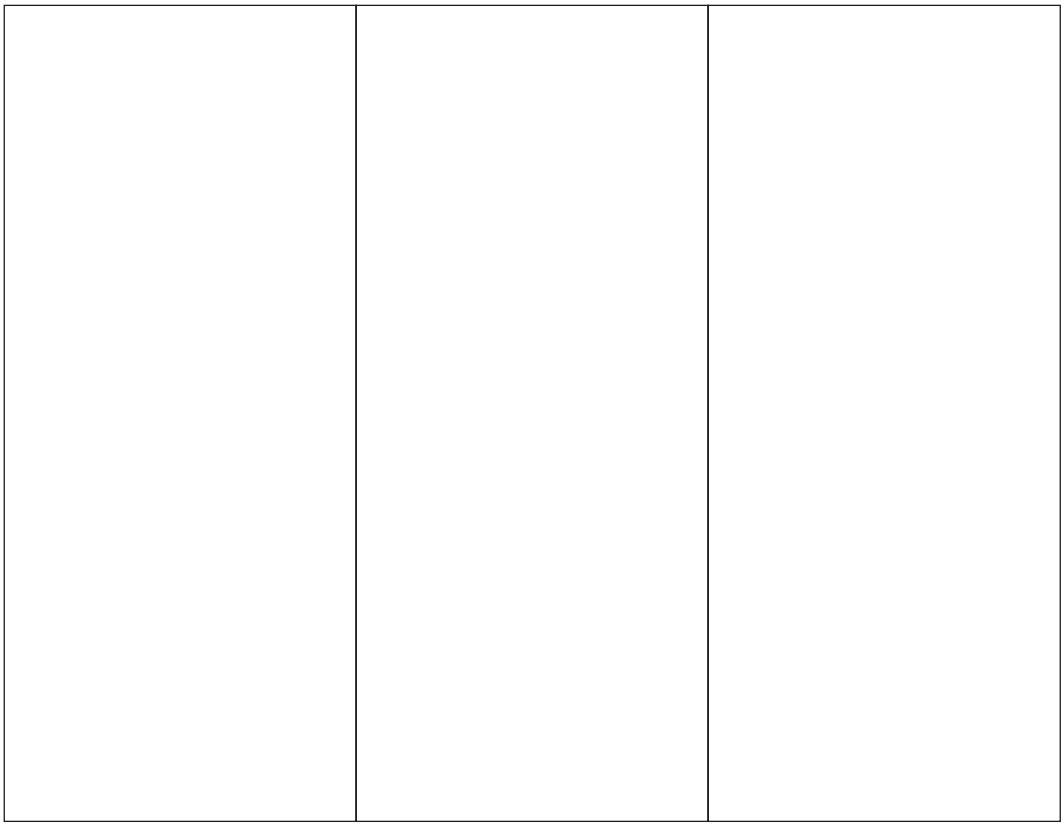


$\frac{1}{8}$?

$\frac{3}{24}$?

Can you see $\frac{1}{3}$ of the whole? Can you see $\frac{1}{3}$ in a different way? How can you prove your thinking?

A.



$\frac{1}{3}$?

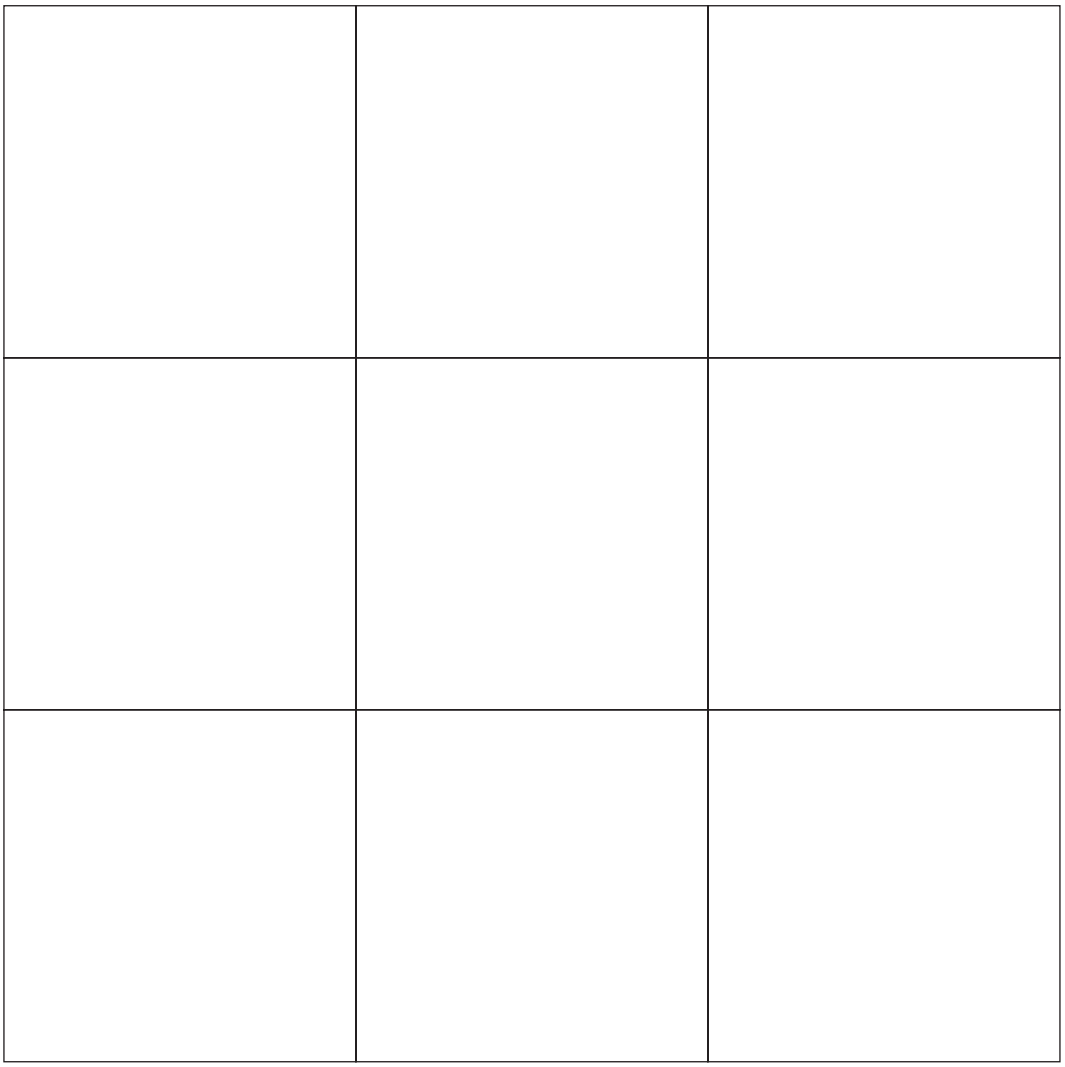
Can you see $\frac{1}{3}$ of the whole? Can you see $\frac{1}{3}$ in a different way? How can you prove your thinking?

B.

$\frac{1}{3}$? $\frac{2}{6}$?

Can you see $\frac{1}{3}$ of the whole? Can you see $\frac{1}{3}$ in a different way? How can you prove your thinking?

C.

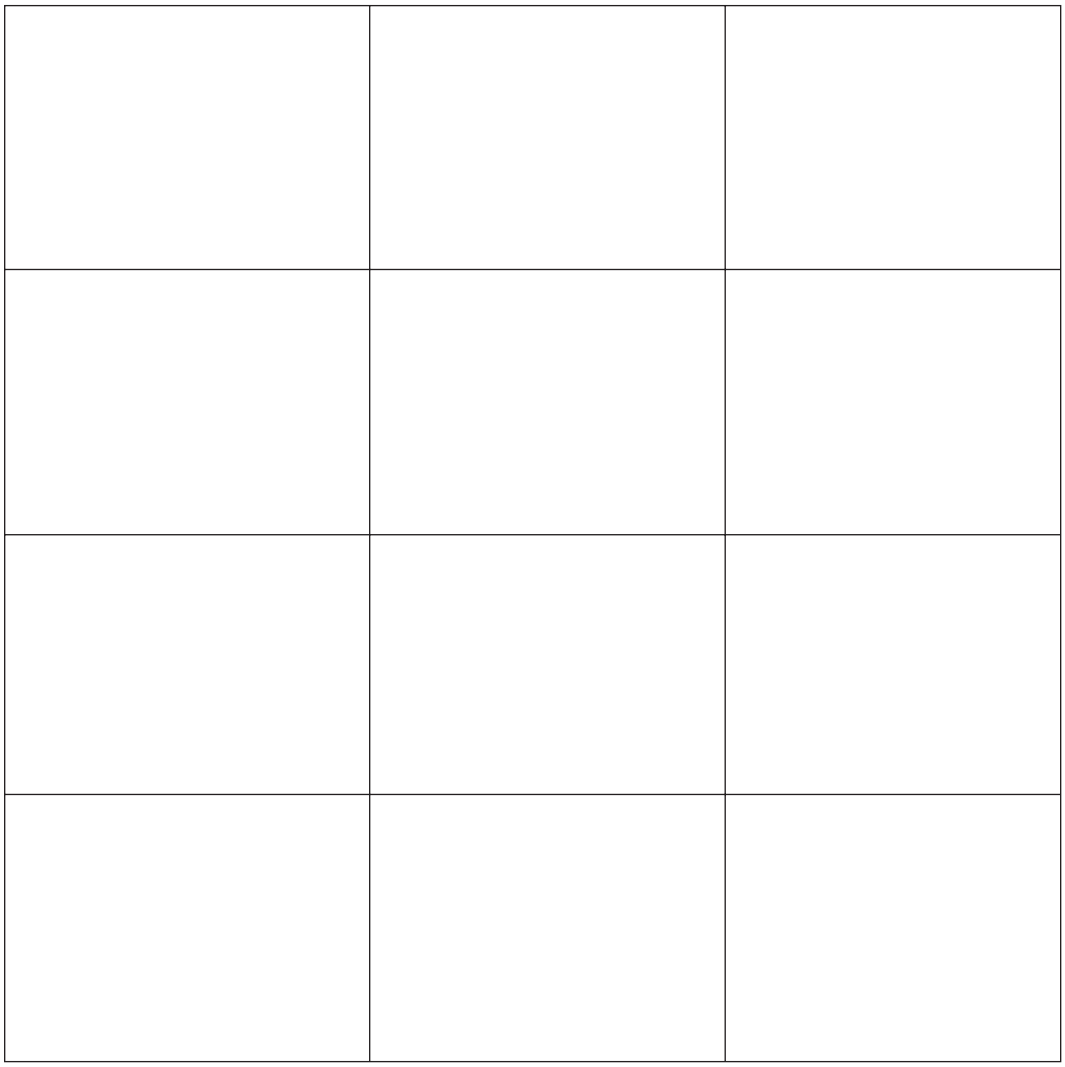


$\frac{1}{3}$?

$\frac{3}{9}$?

Can you see $\frac{1}{3}$ of the whole? Can you see $\frac{1}{3}$ in a different way? How can you prove your thinking?

D.

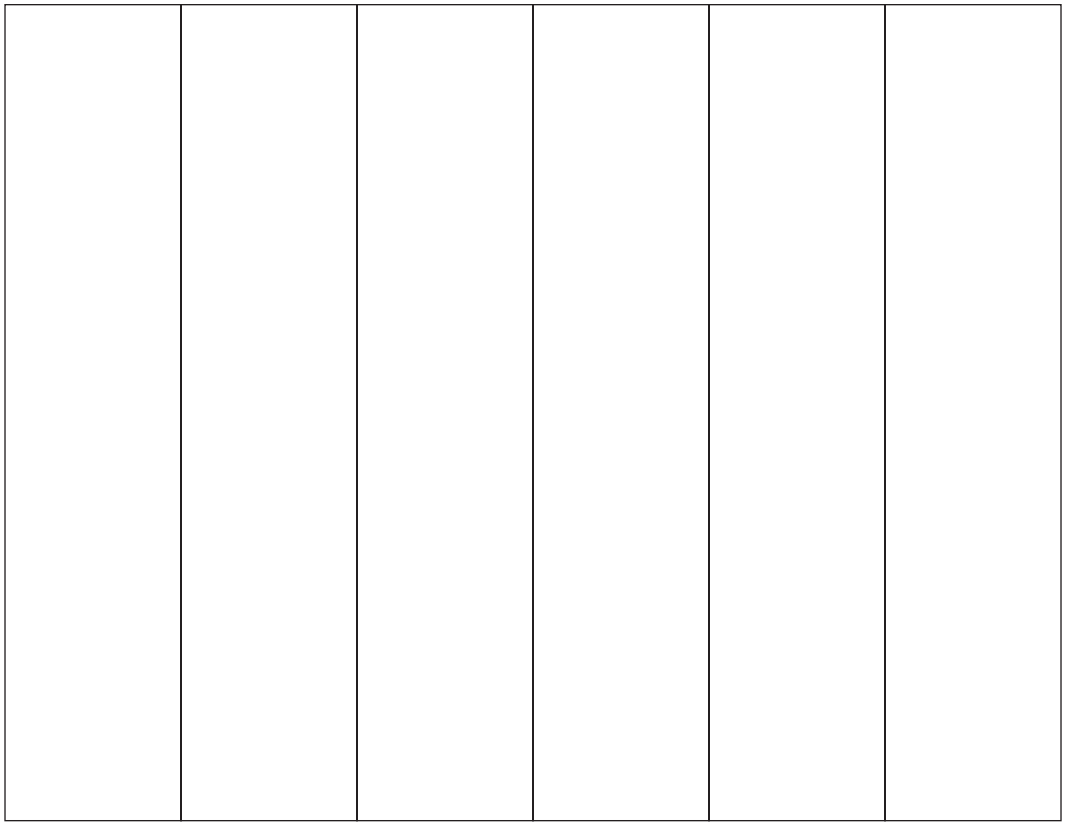


$\frac{1}{3}$?

$\frac{4}{12}$?

Can you see $\frac{1}{6}$ of the whole? Can you see $\frac{1}{6}$ in a different way? How can you prove your thinking?

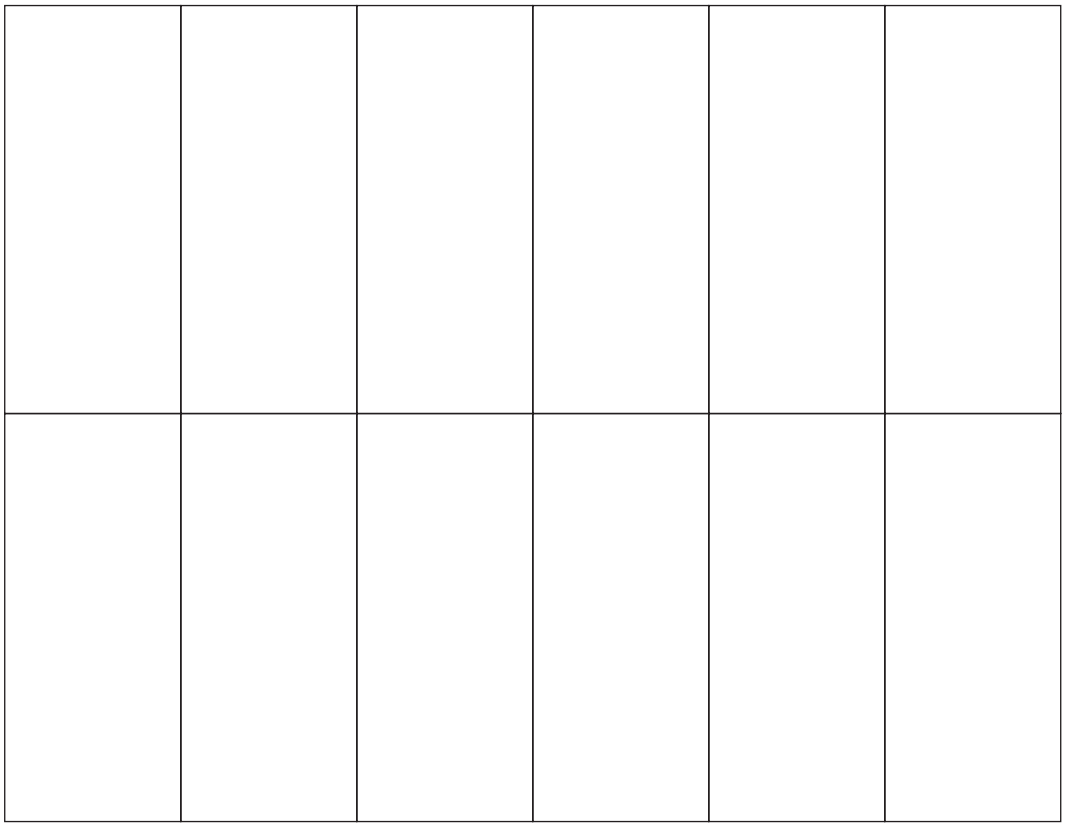
A.



$\frac{1}{6}$?

Can you see $\frac{1}{6}$ of the whole? Can you see $\frac{1}{6}$ in a different way? How can you prove your thinking?

B.

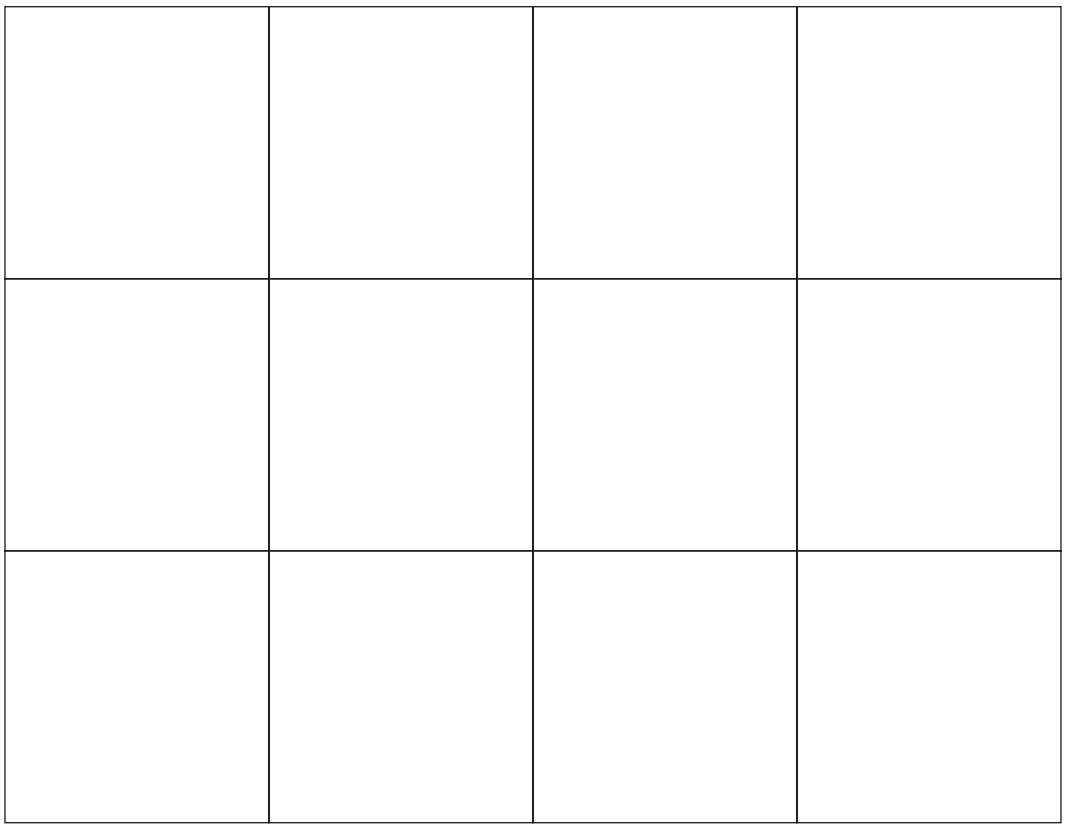


$\frac{1}{6}$?

$\frac{2}{12}$?

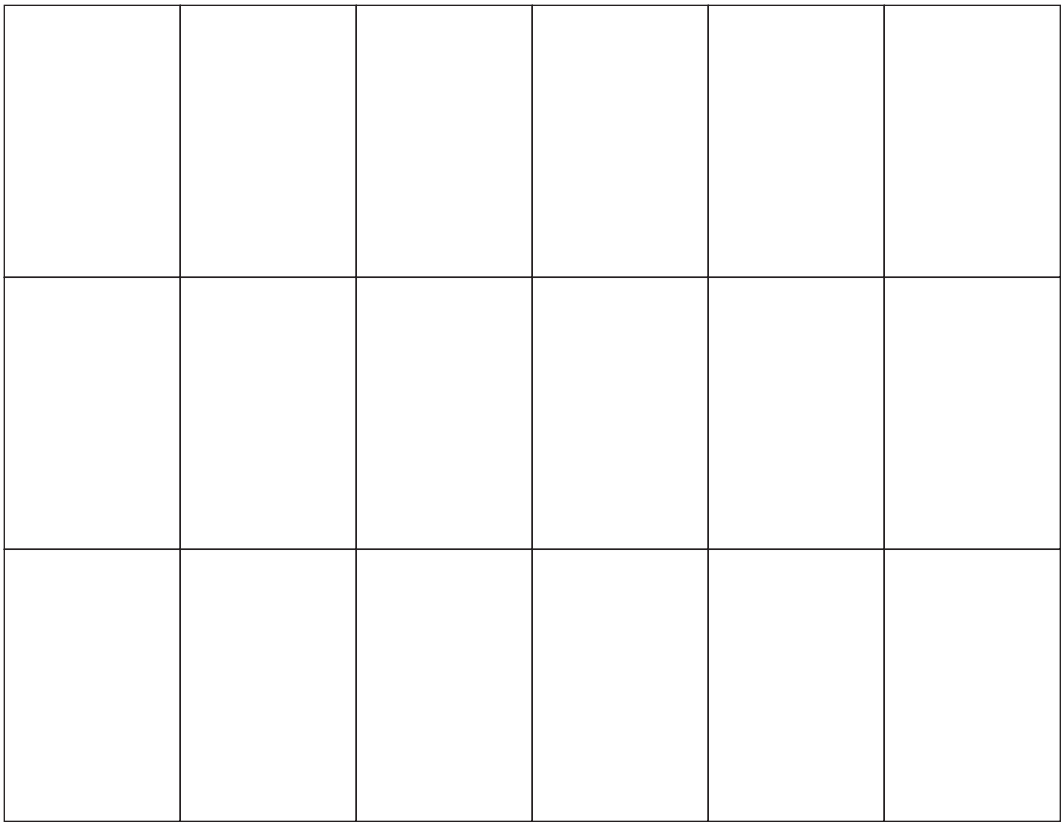
Can you see $\frac{1}{6}$ of the whole? Can you see $\frac{1}{6}$ in a different way? How can you prove your thinking?

C.



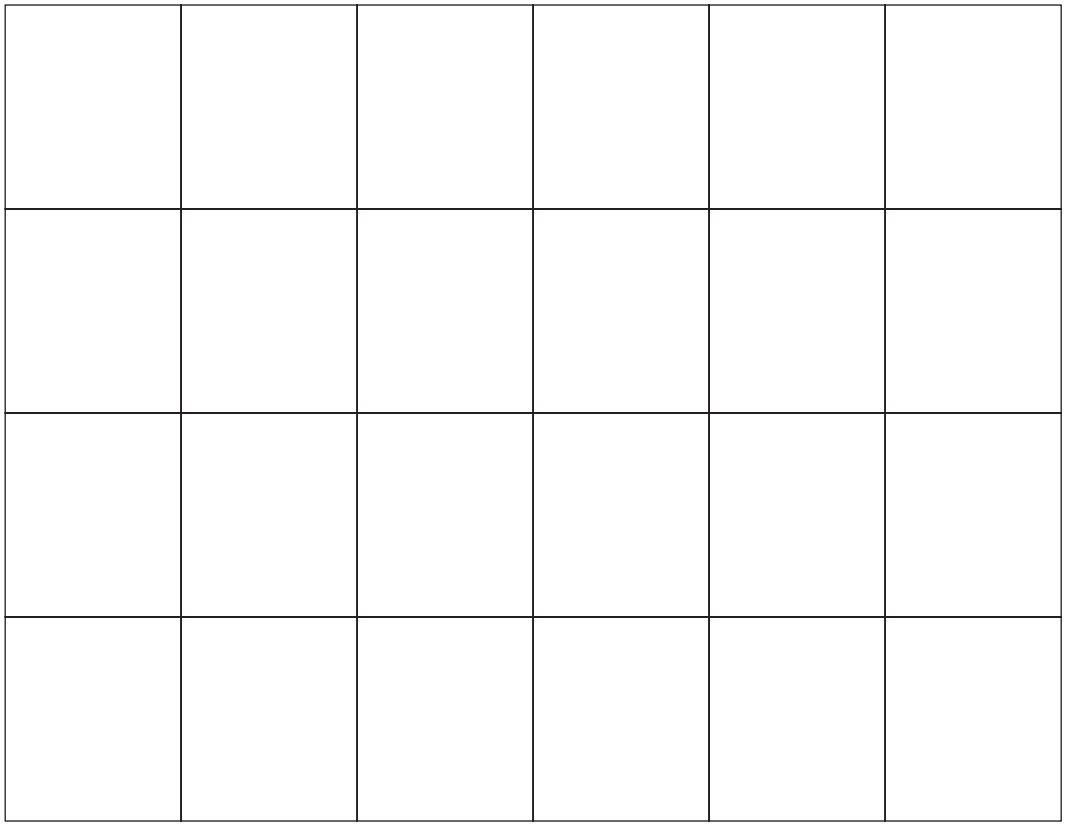
Can you see $\frac{1}{6}$ of the whole? Can you see $\frac{1}{6}$ in a different way? How can you prove your thinking?

D.



Can you see $\frac{1}{6}$ of the whole? Can you see $\frac{1}{6}$ in a different way? How can you prove your thinking?

E.

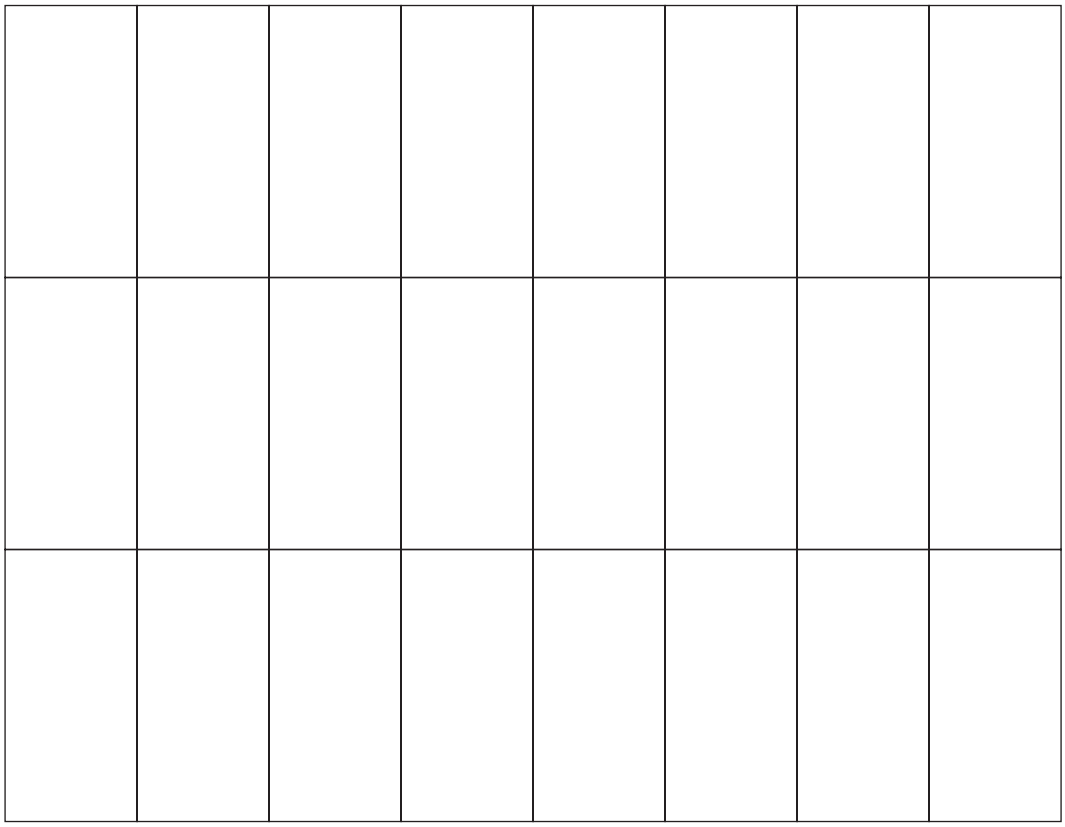


$\frac{1}{6}$?

$\frac{4}{24}$?

Can you see $\frac{1}{6}$ of the whole? Can you see $\frac{1}{6}$ in a different way? How can you prove your thinking?

F.



$\frac{1}{6}$?

$\frac{4}{24}$?

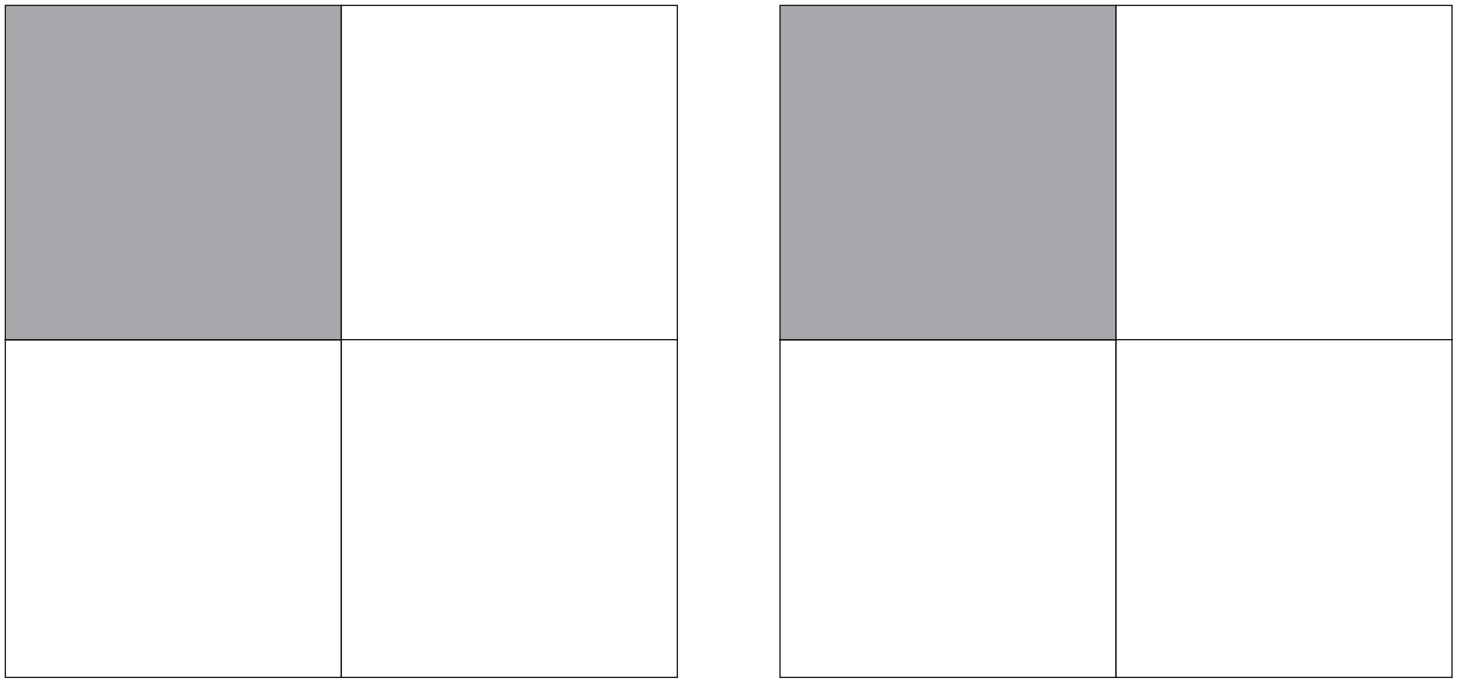
How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

A.

$$\frac{1}{2} + \frac{1}{2}$$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

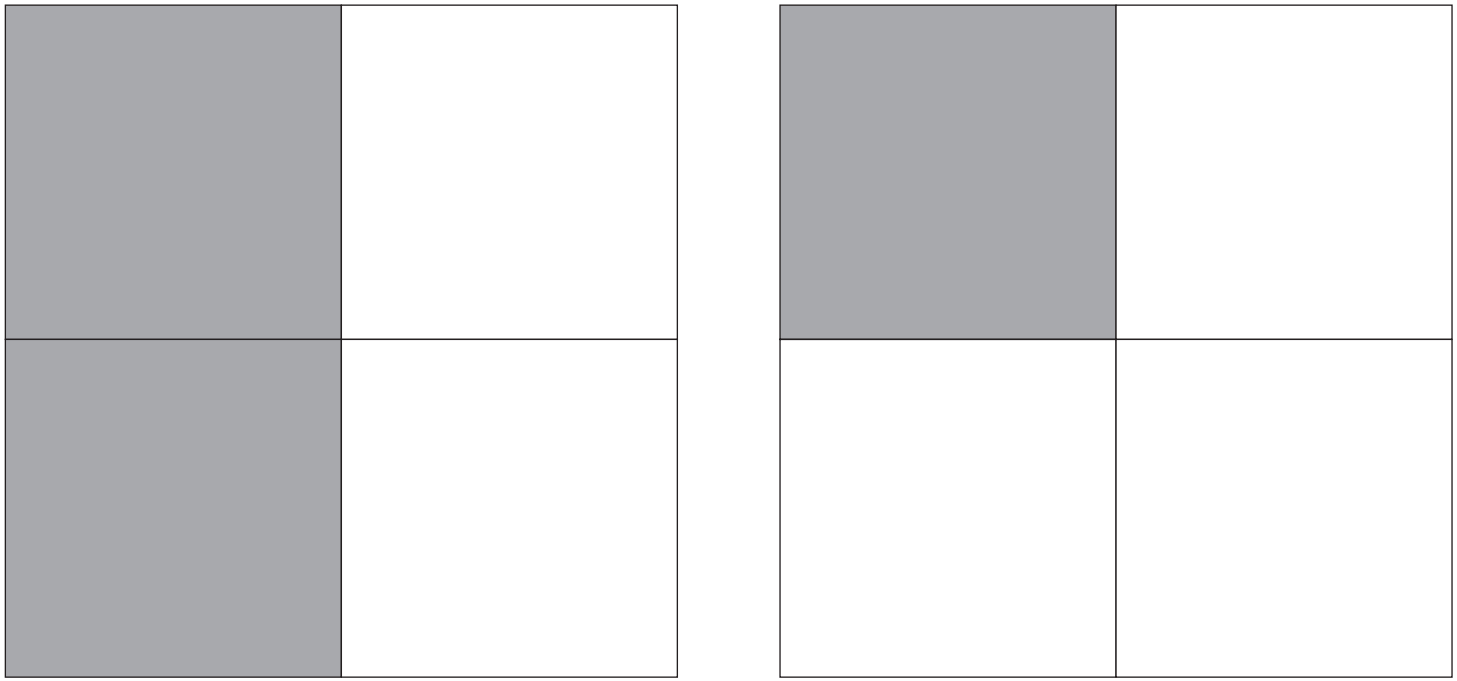
A.



$$\frac{1}{4} + \frac{1}{4}$$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

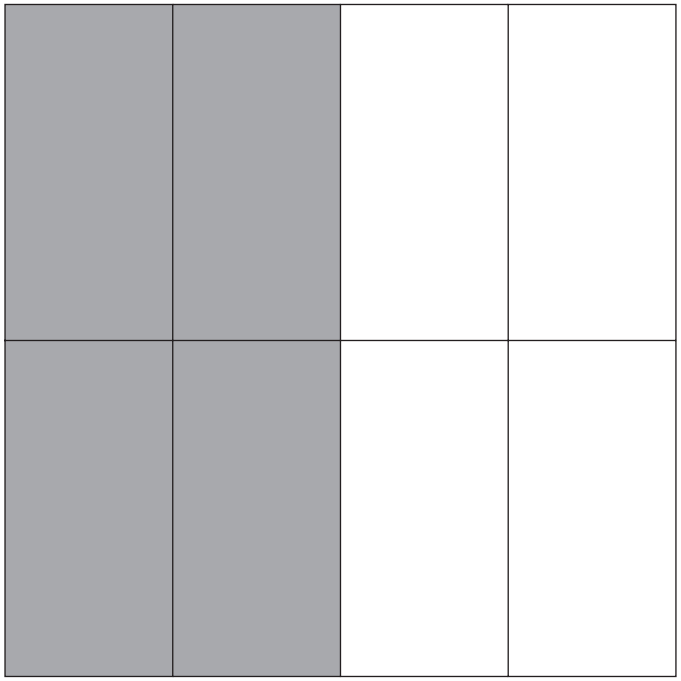
A.

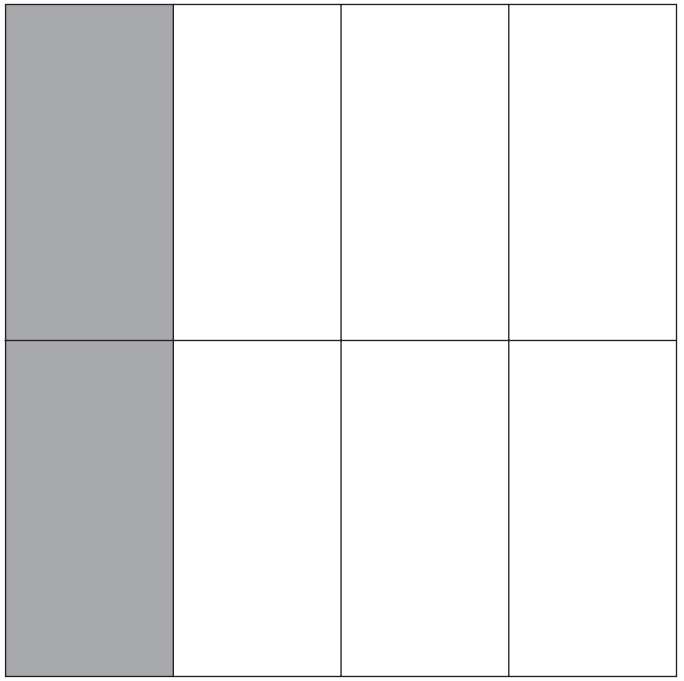


$$\frac{1}{2} + \frac{1}{4}$$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

B.

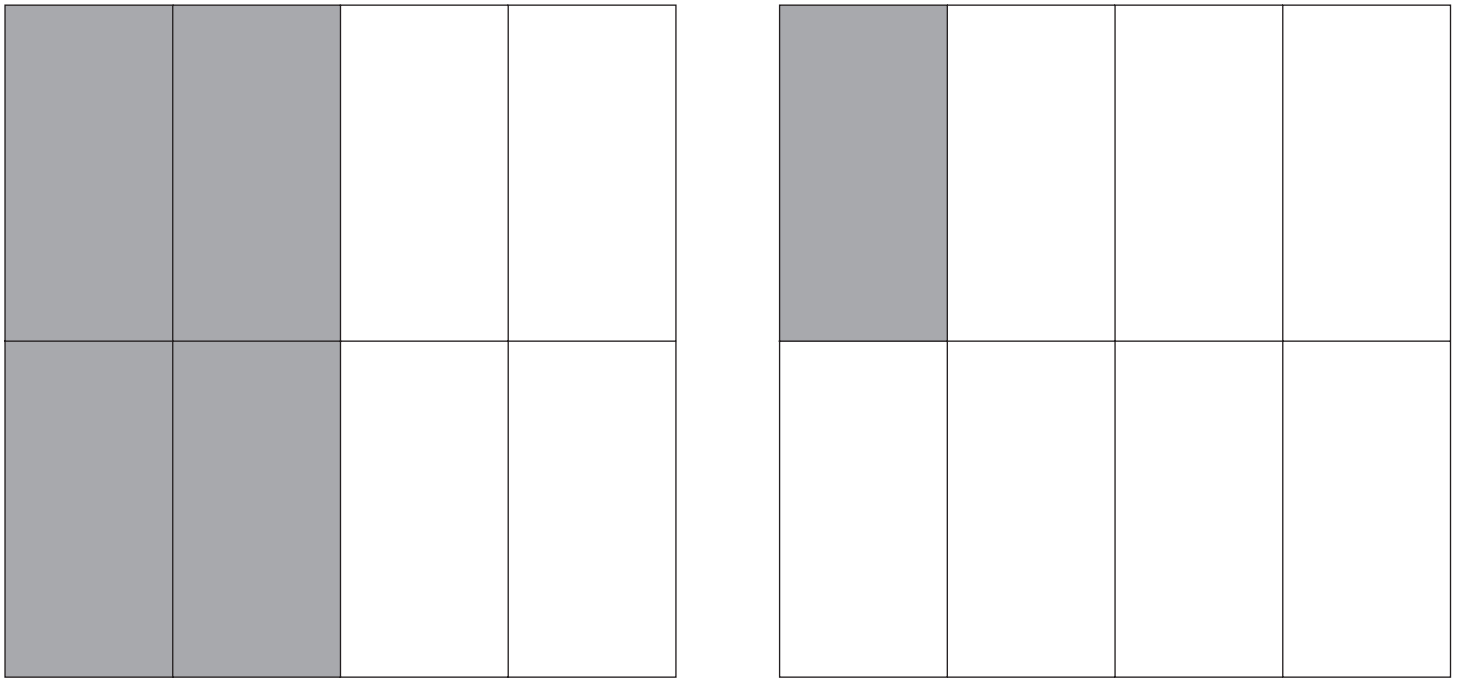


$\frac{1}{2}$ + 

$\frac{1}{4}$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

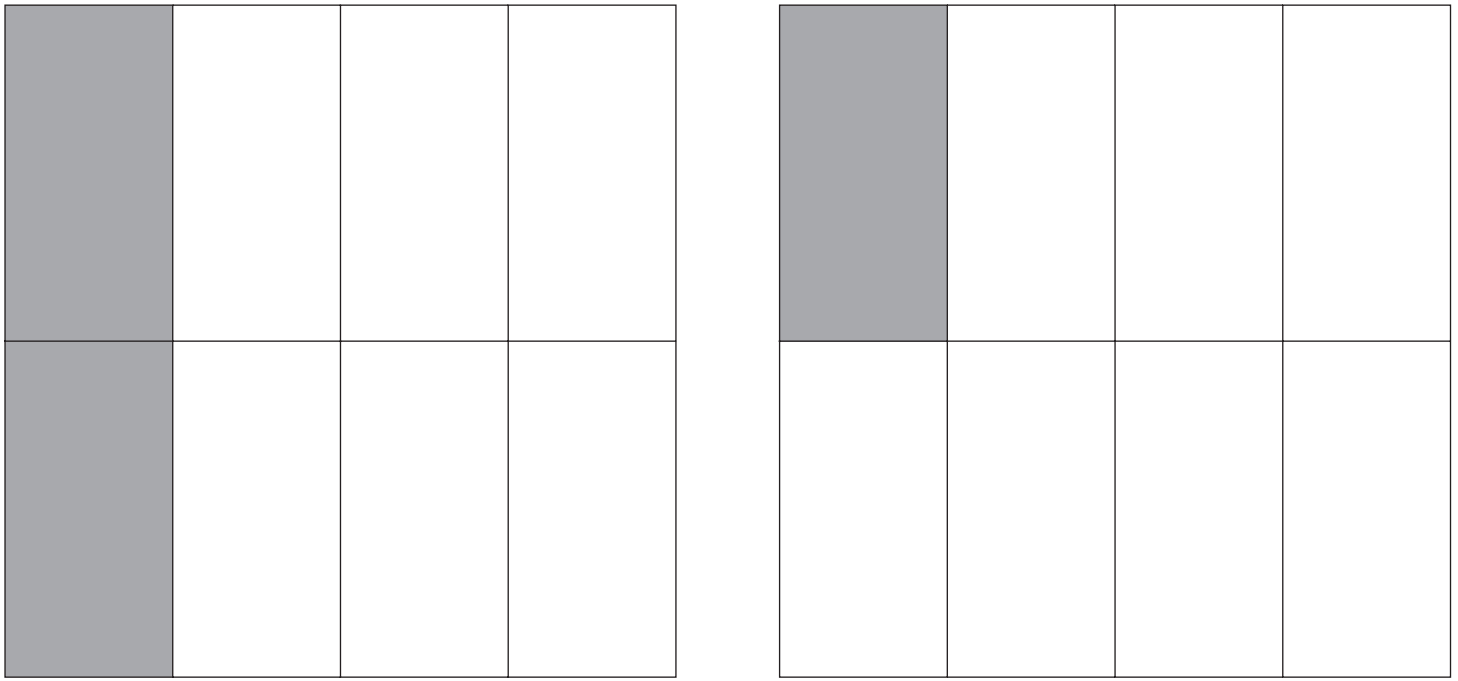
B.



$$\frac{1}{2} + \frac{1}{8}$$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

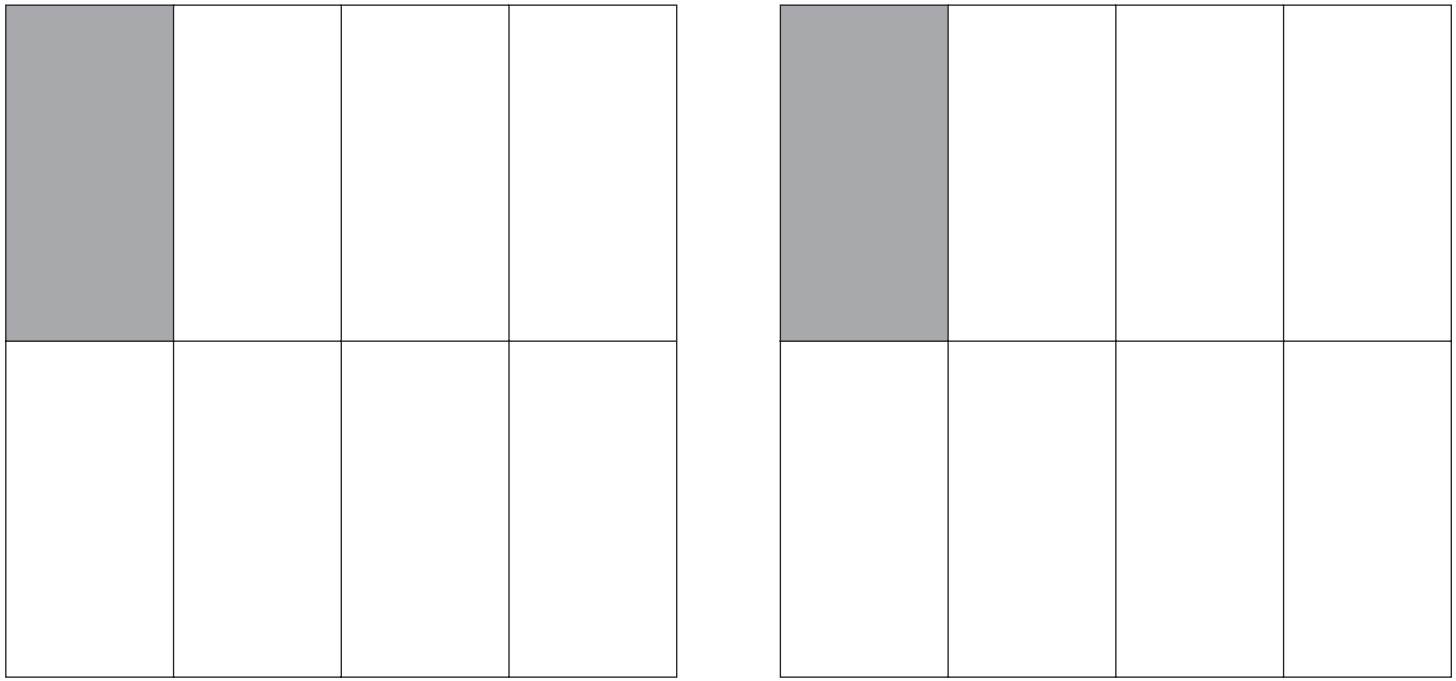
B.



$$\frac{1}{4} + \frac{1}{8}$$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

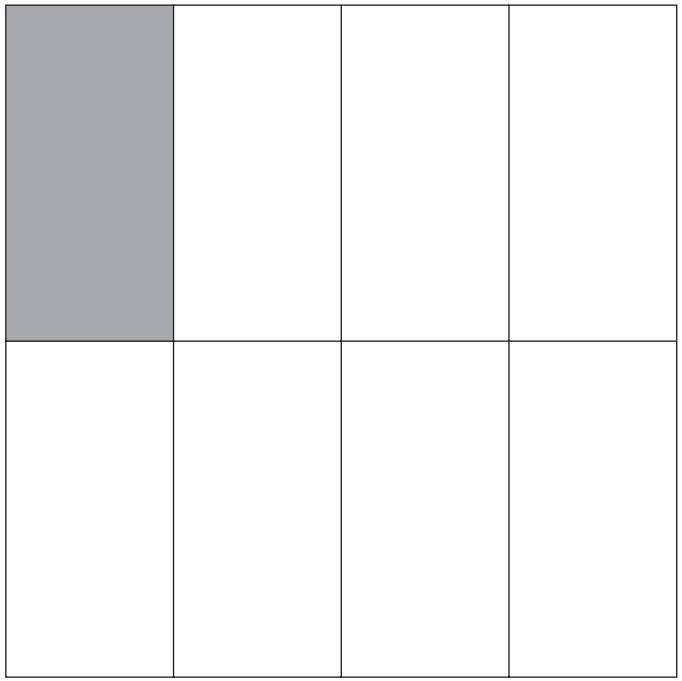
C.

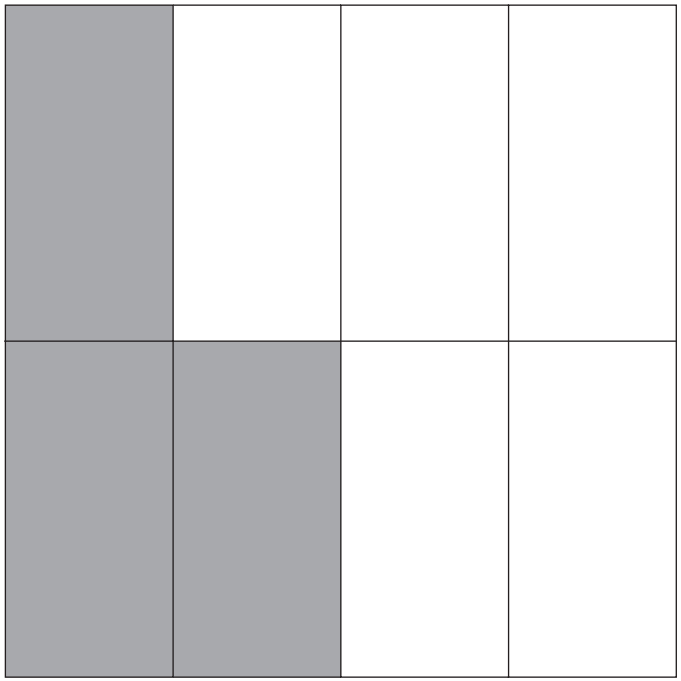


$$\frac{1}{8} + \frac{1}{8}$$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

C.

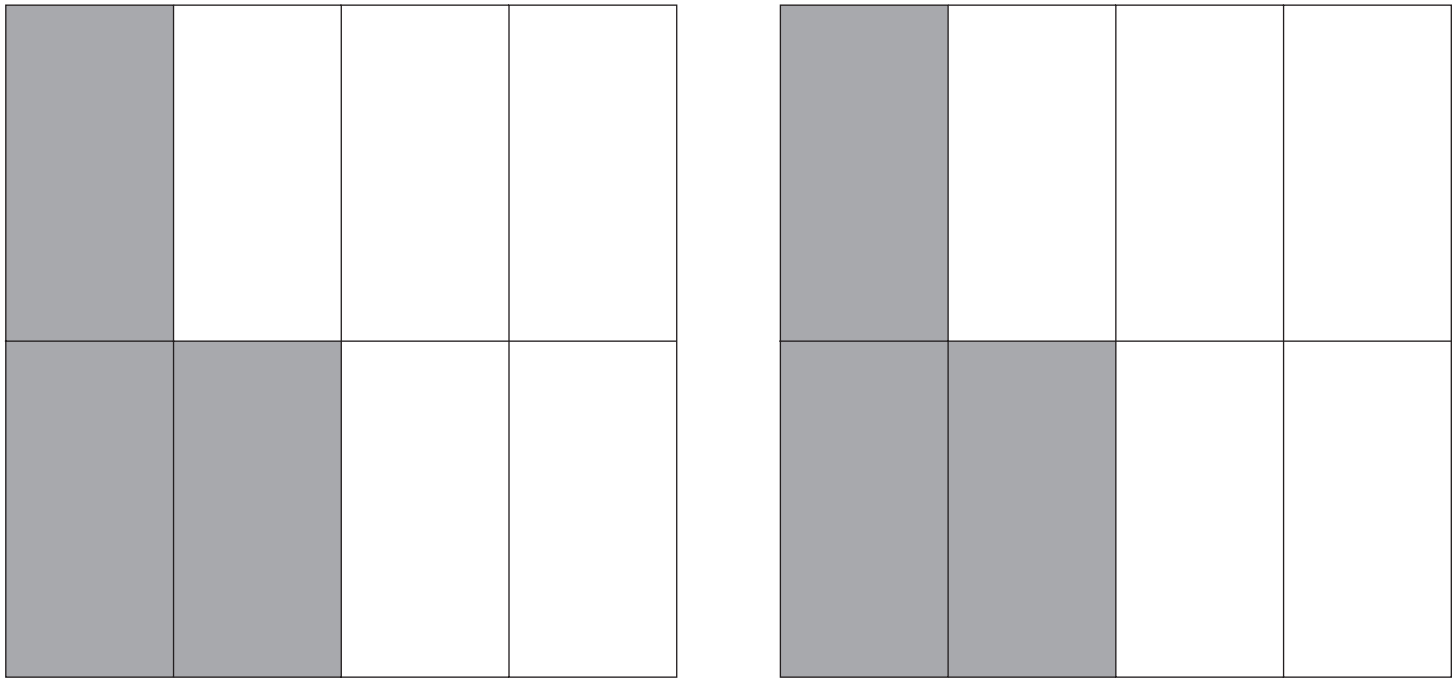


$\frac{1}{8}$ + 

$\frac{3}{8}$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

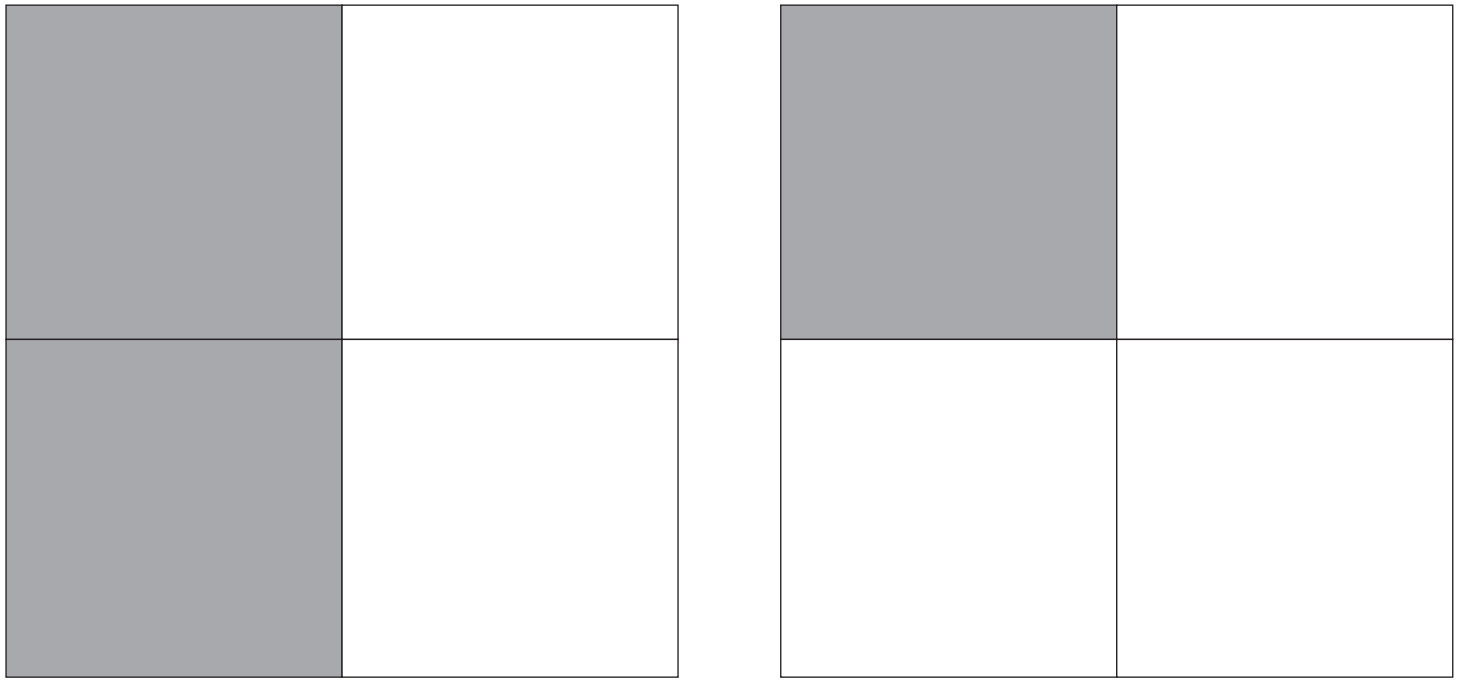
C.



$$\frac{3}{8} + \frac{3}{8}$$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

D.



$$\frac{1}{2} + \frac{1}{4}$$

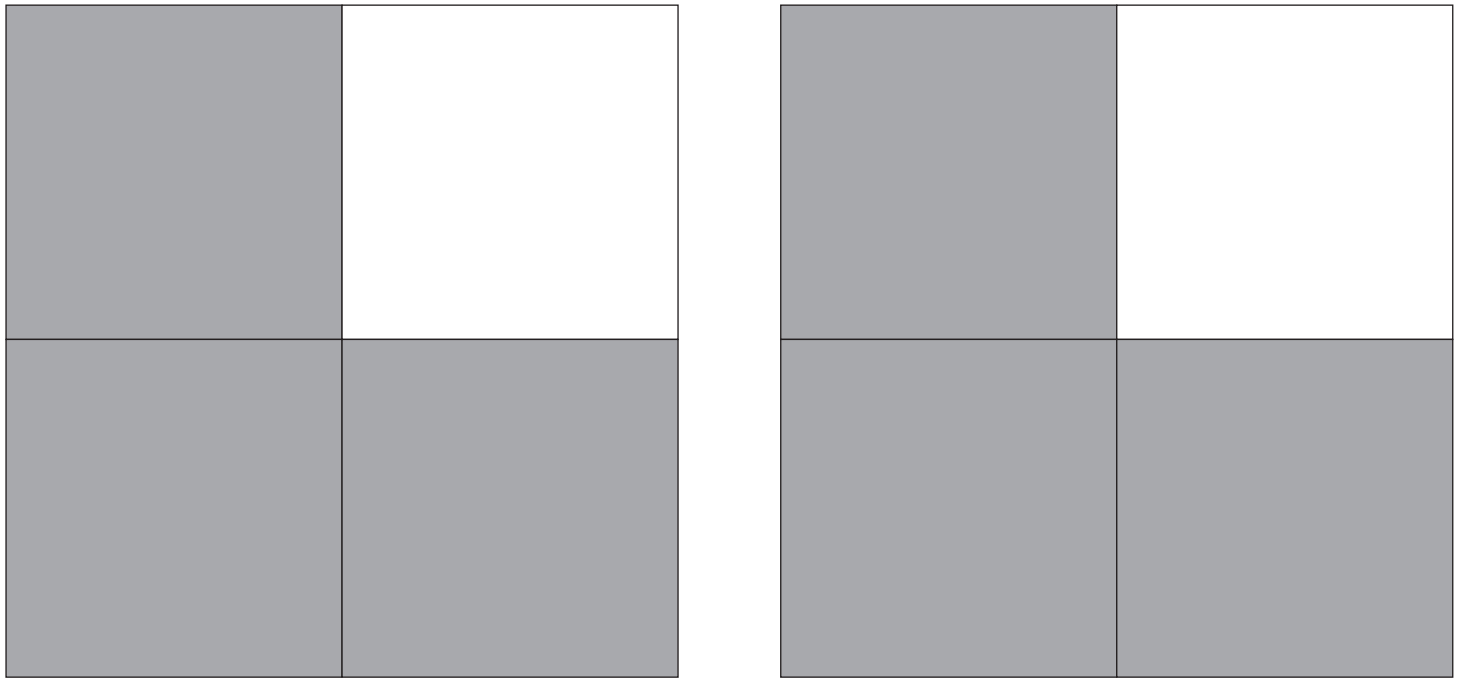
How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

D.

$$\frac{1}{2} + \frac{3}{4}$$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

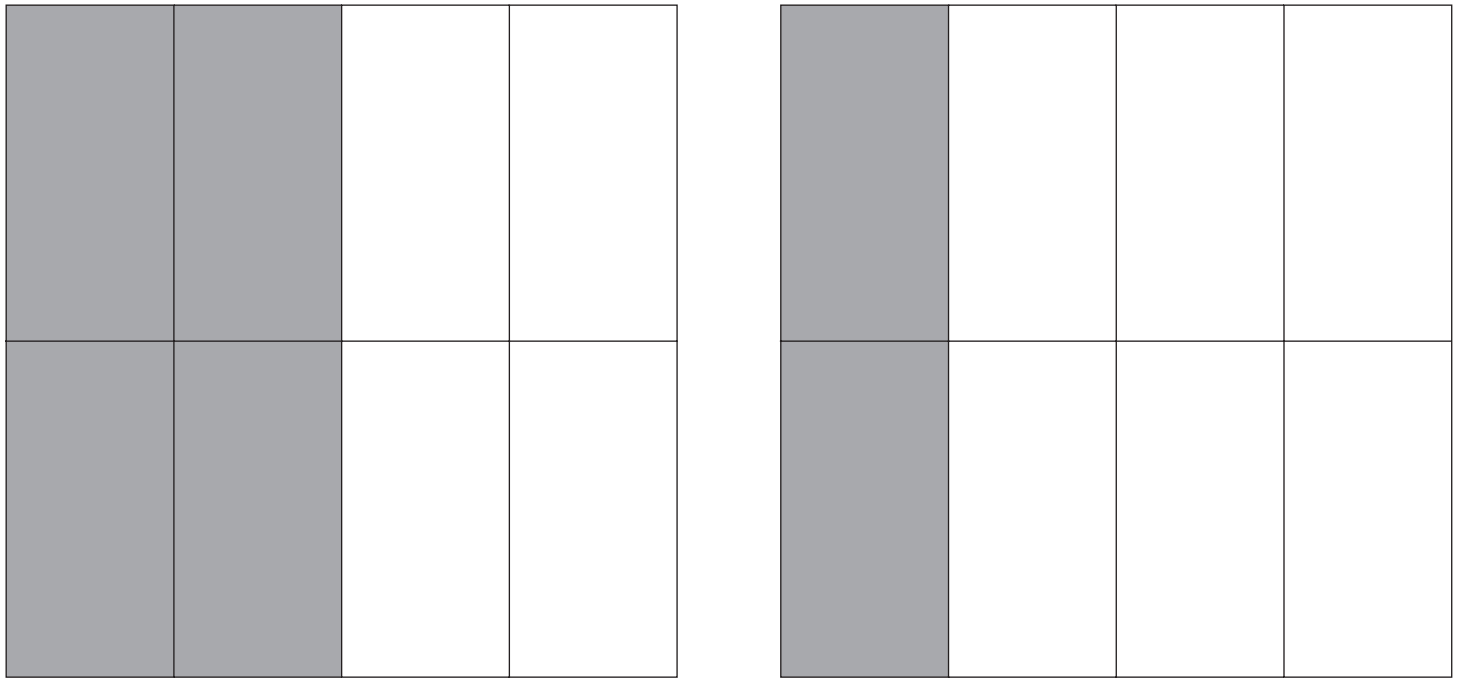
D.



$$\frac{3}{4} + \frac{3}{4}$$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

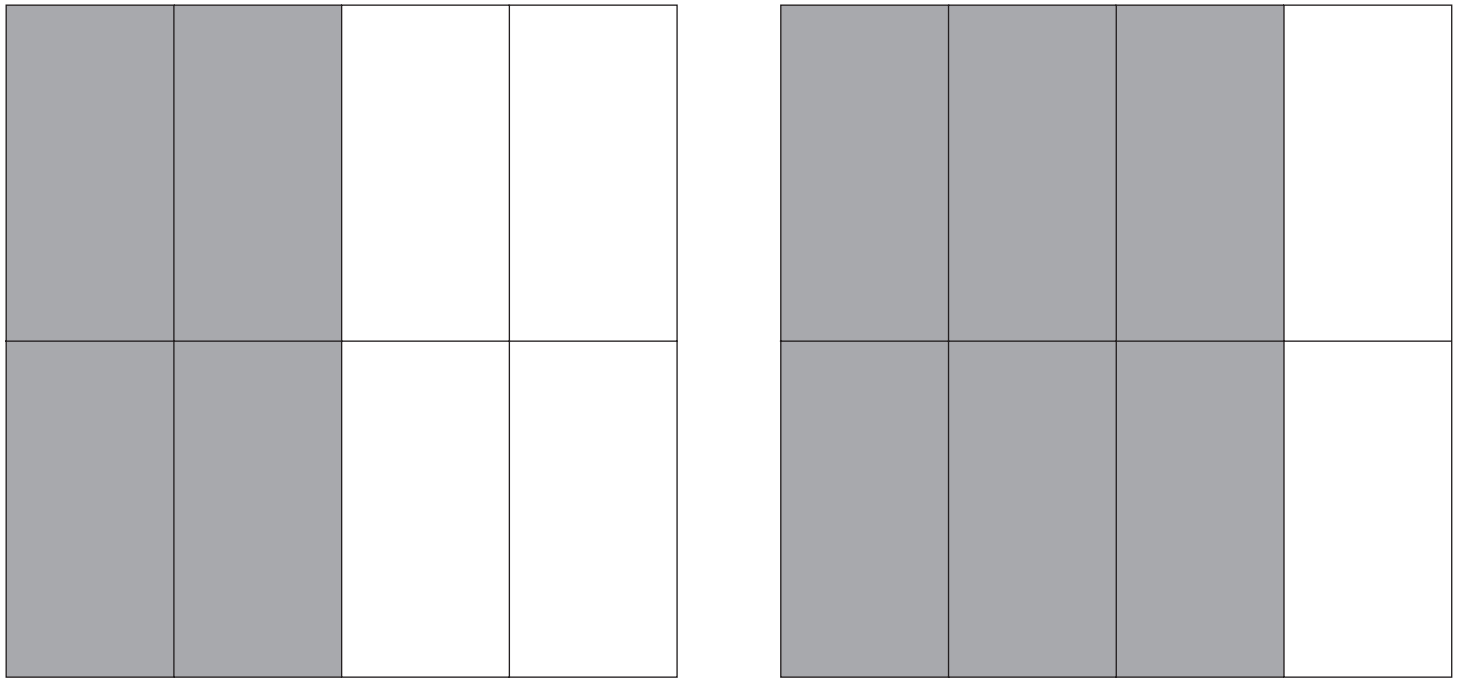
E.



$$\frac{1}{2} + \frac{1}{4}$$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

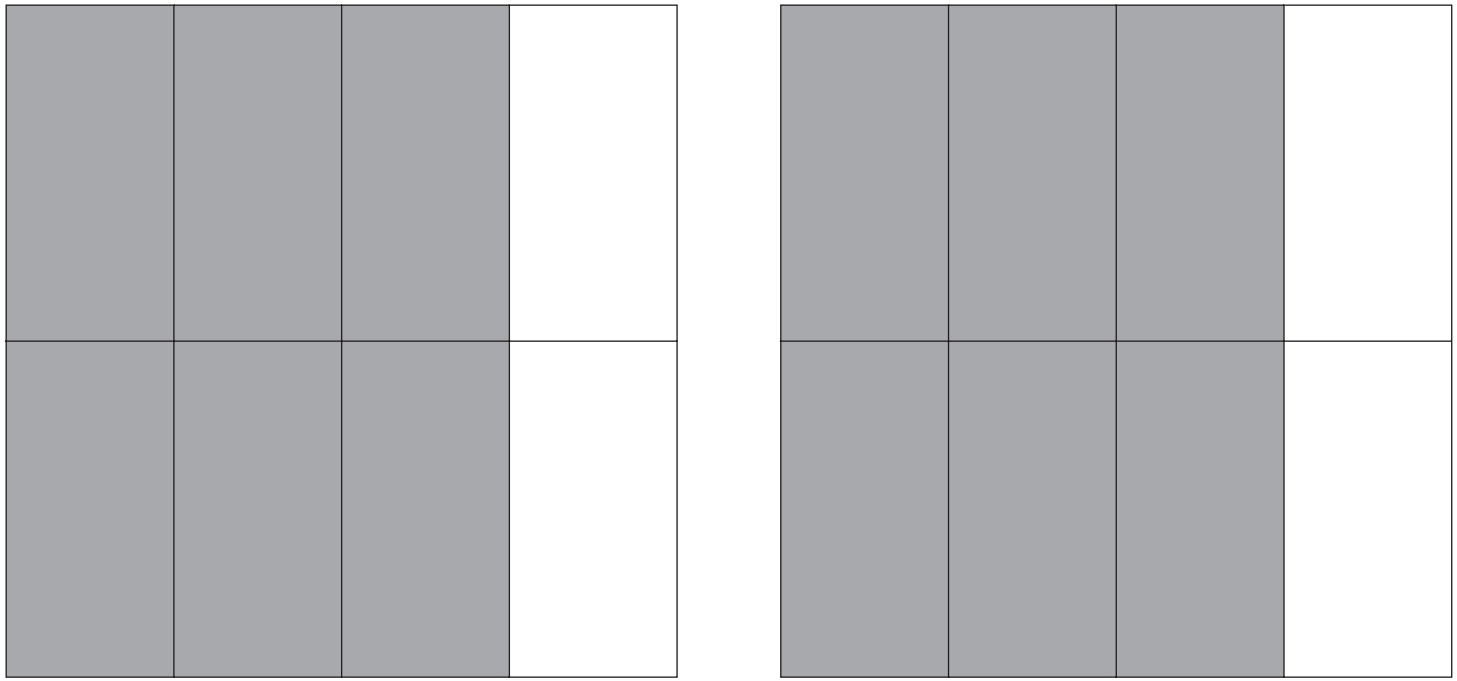
E.



$$\frac{1}{2} + \frac{3}{4}$$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

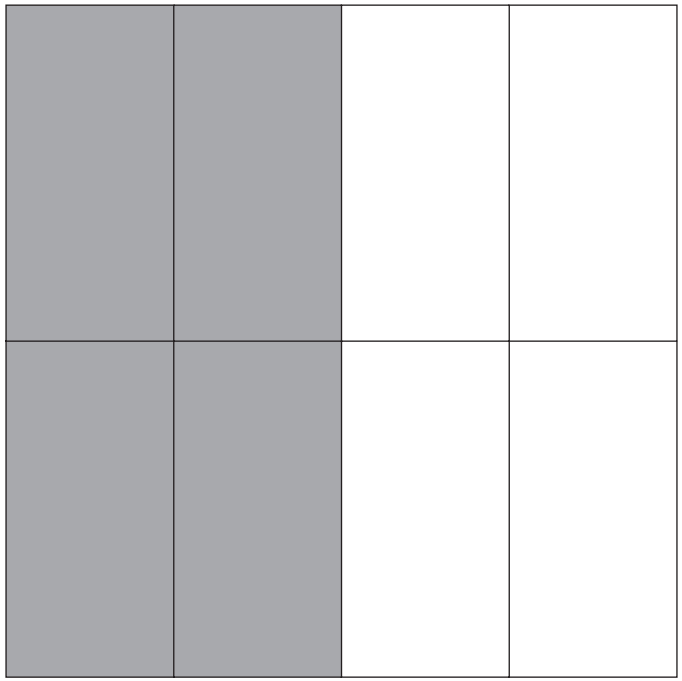
E.

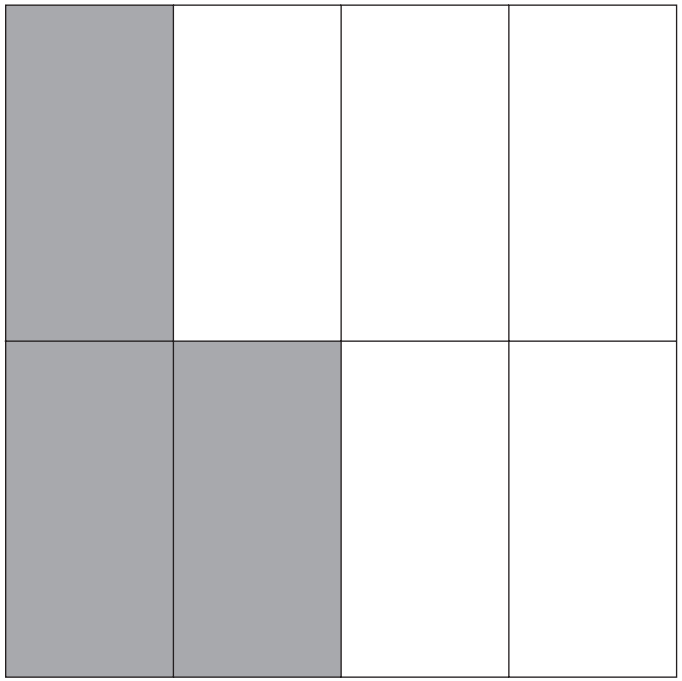


$$\frac{6}{8} + \frac{3}{4}$$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

F.

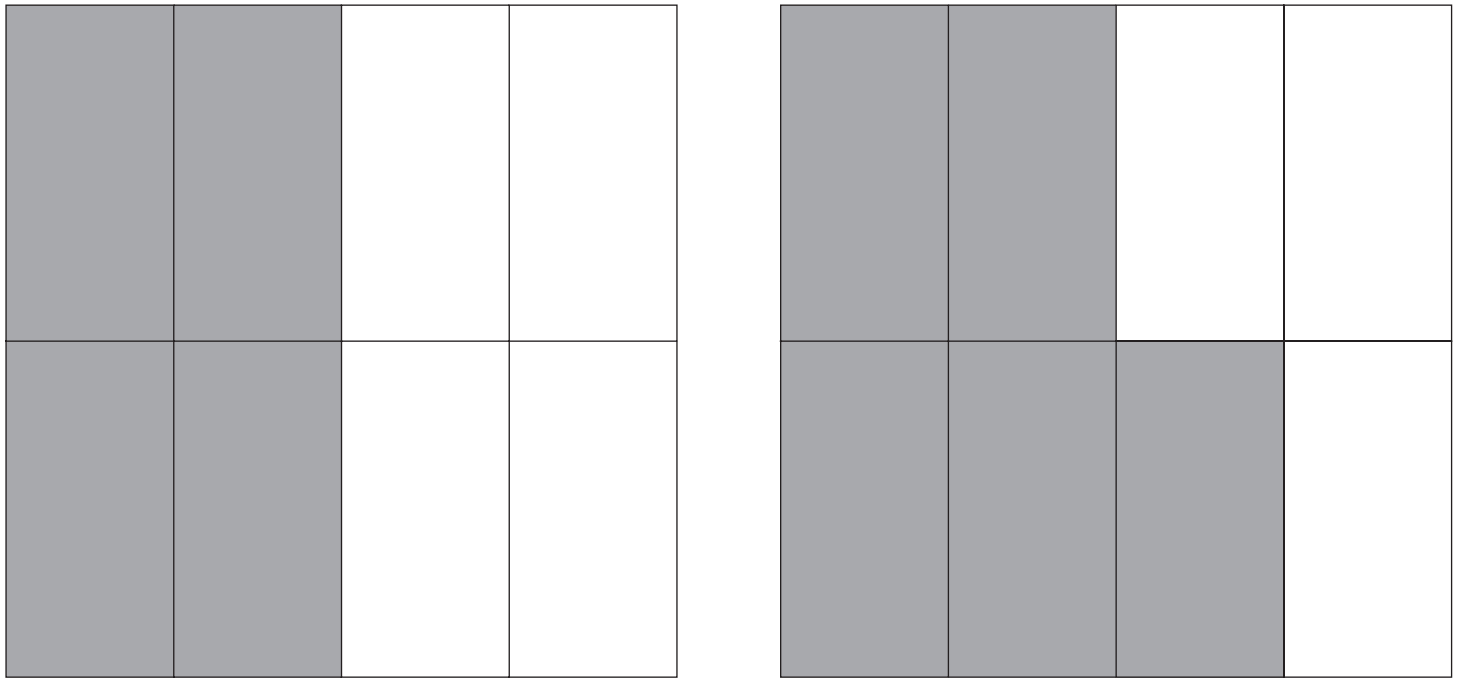


$\frac{1}{2}$ + 

$\frac{3}{8}$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

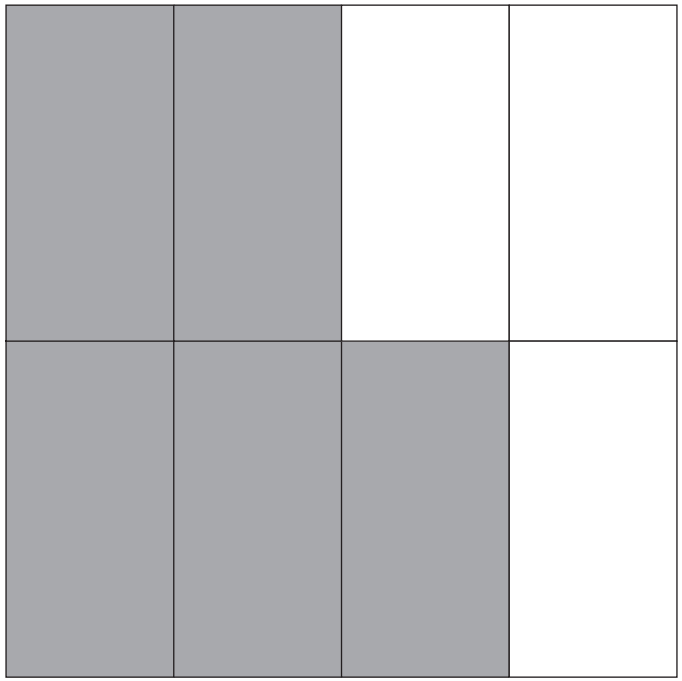
F.

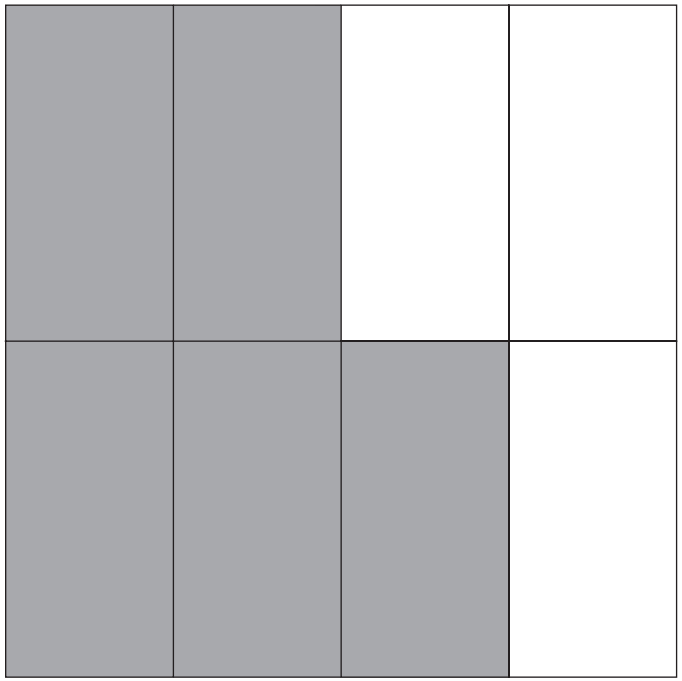


$$\frac{1}{2} + \frac{5}{8}$$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

F.

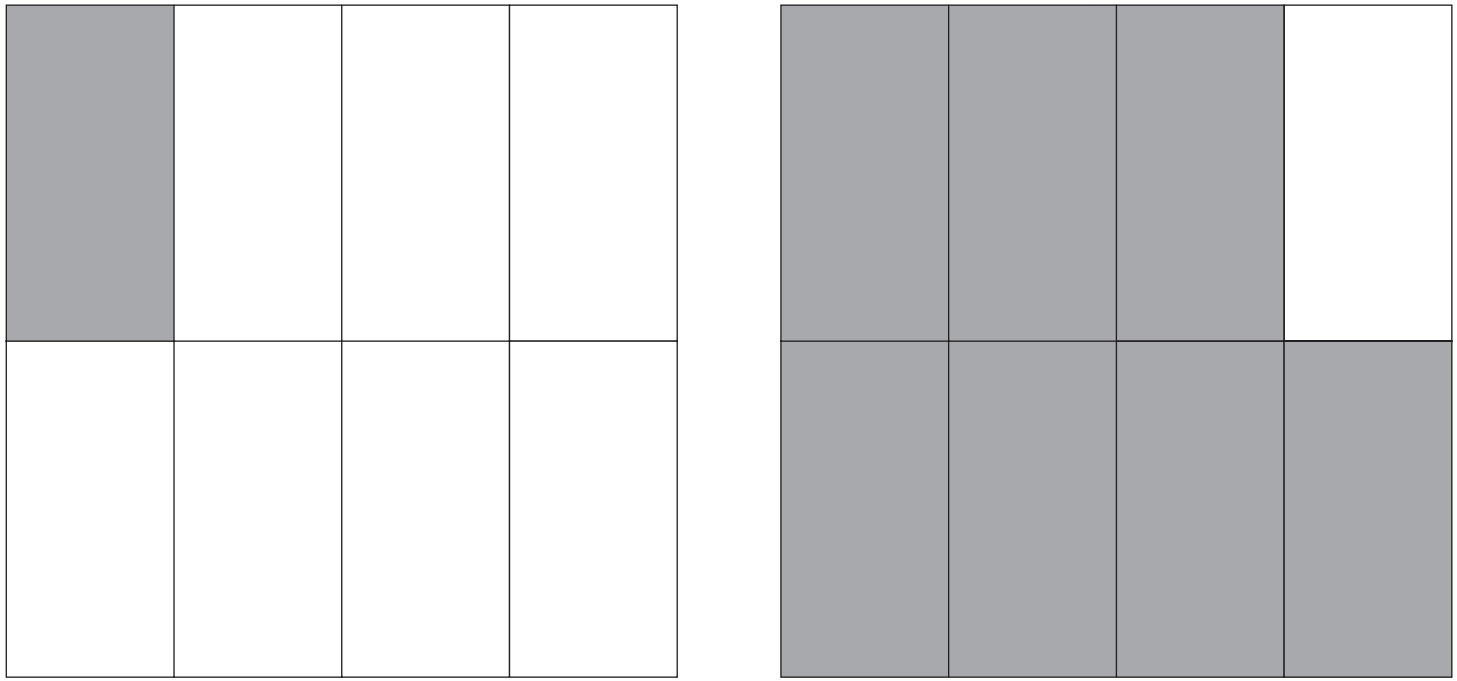


$\frac{5}{8}$ + 

$\frac{5}{8}$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

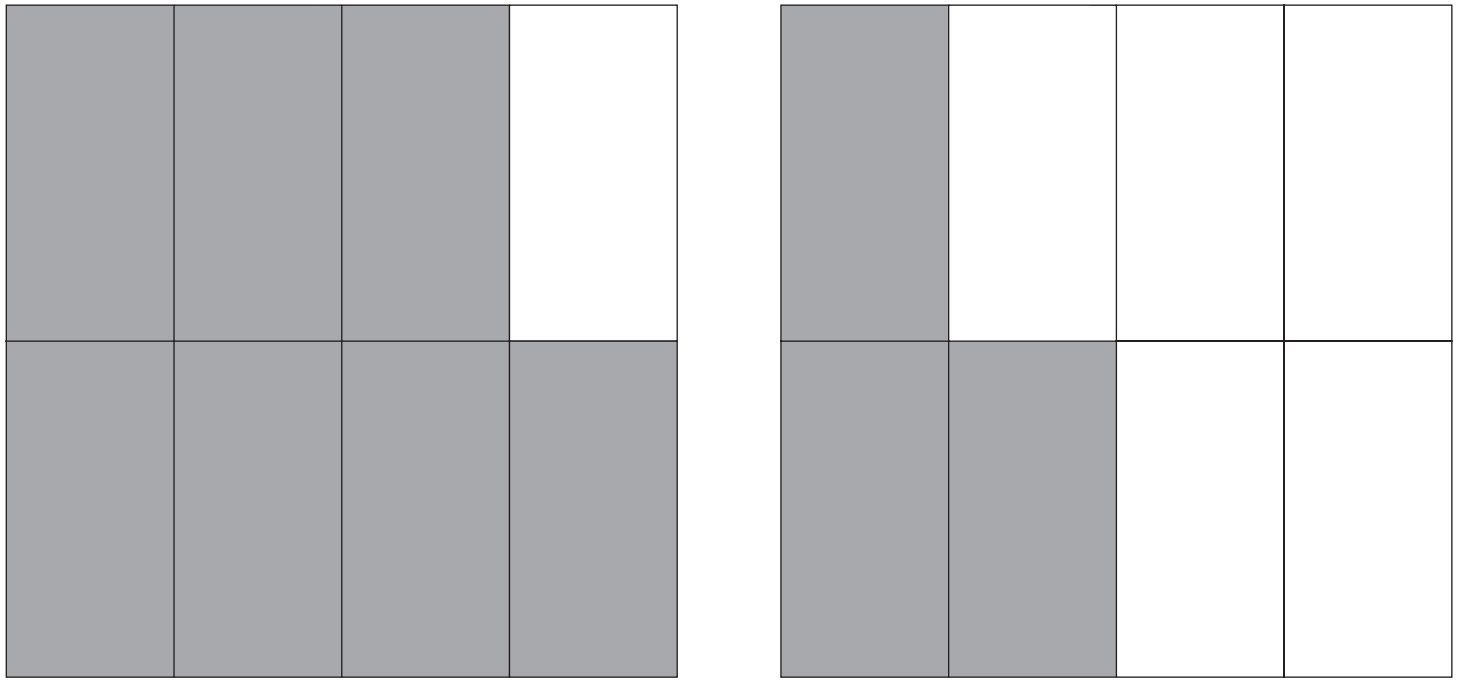
G.



$$\frac{1}{8} + \frac{7}{8}$$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

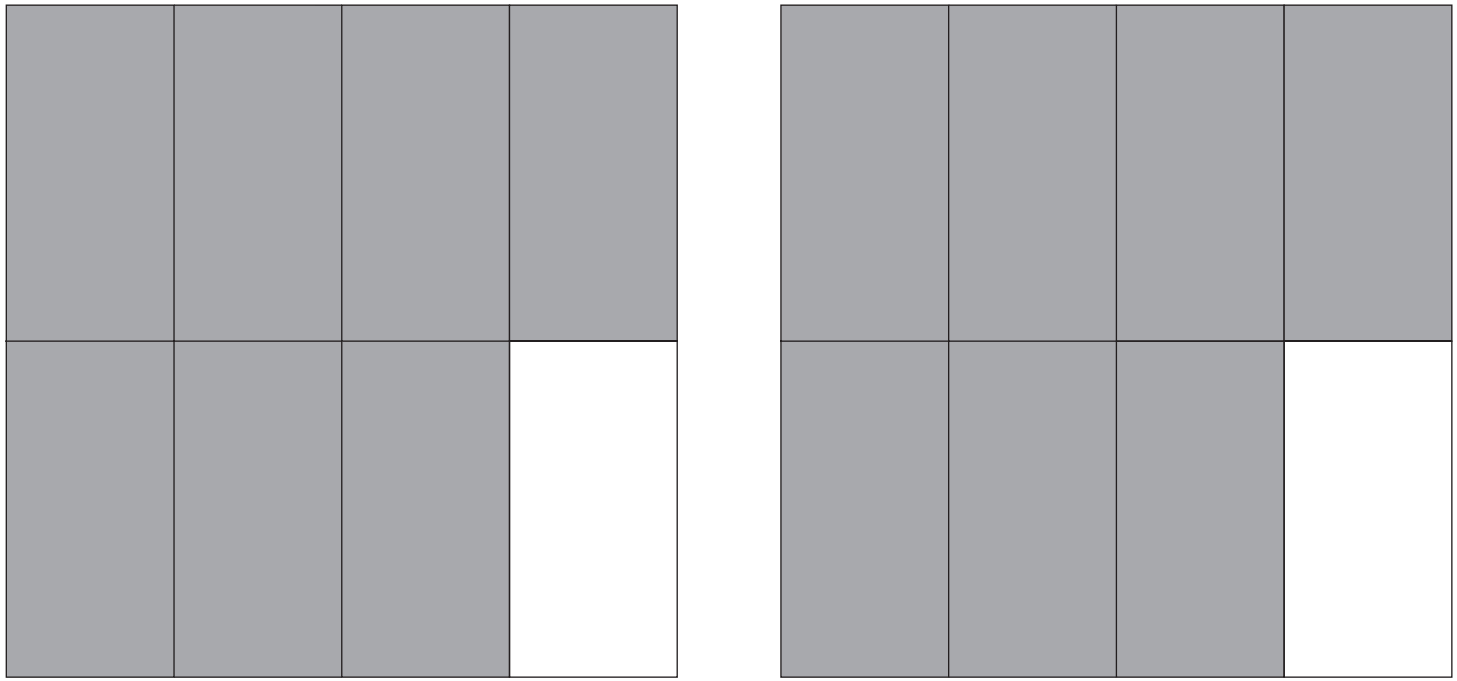
G.



$$\frac{7}{8} + \frac{3}{8}$$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

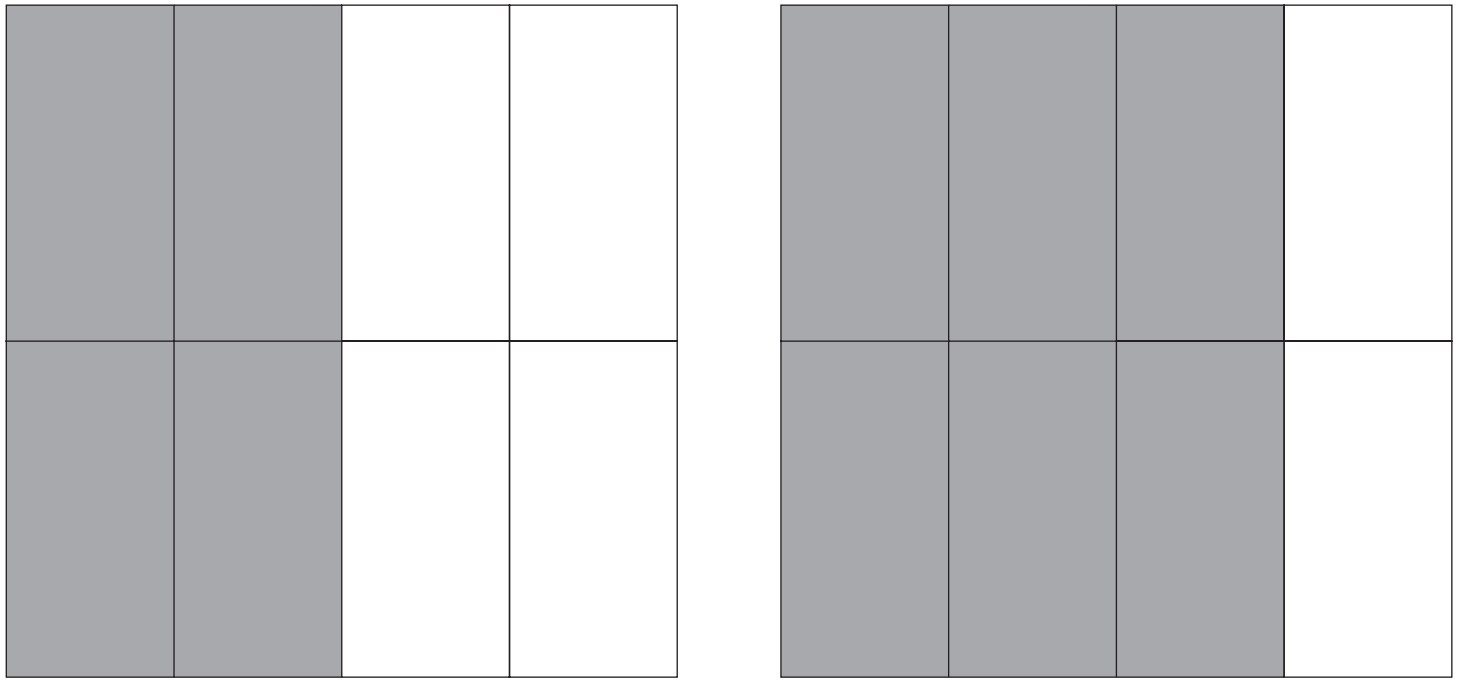
G.



$$\frac{7}{8} + \frac{7}{8}$$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

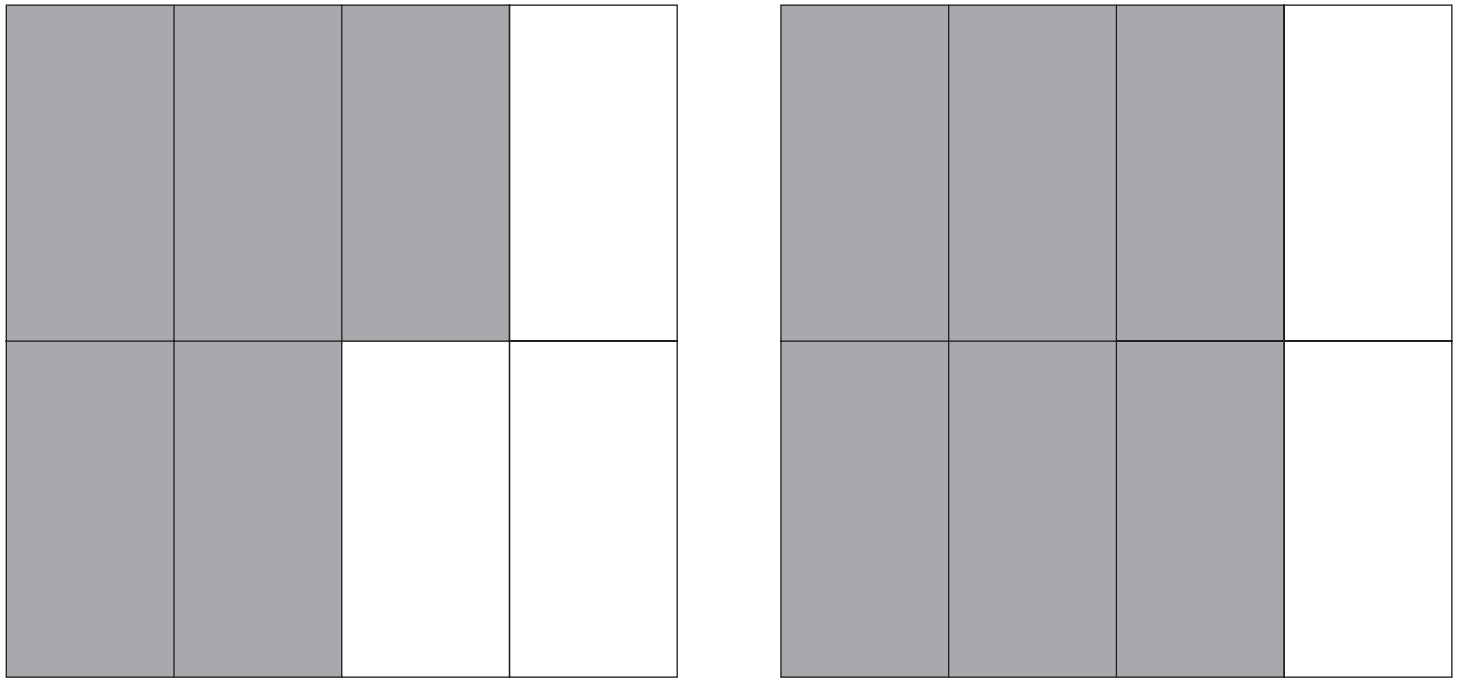
H.



$$\frac{4}{8} + \frac{6}{8}$$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

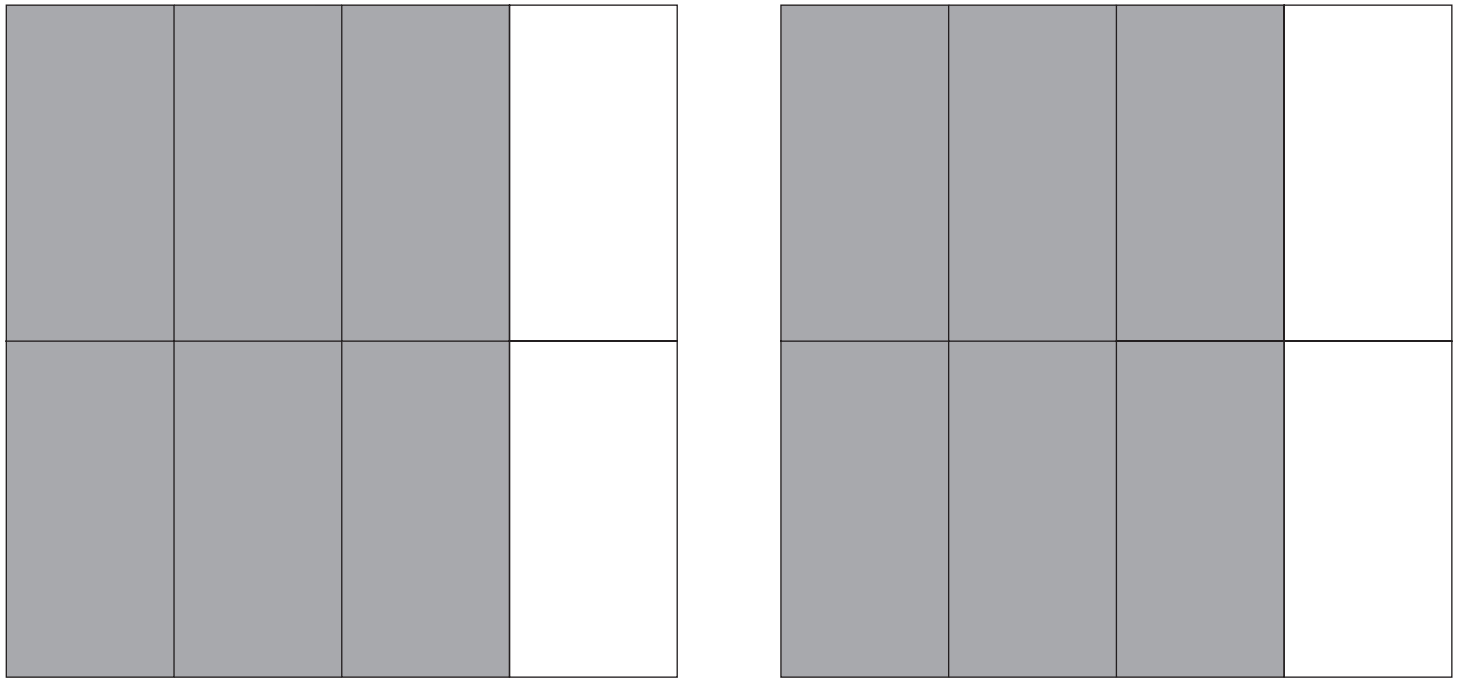
H.



$$\frac{5}{8} + \frac{6}{8}$$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

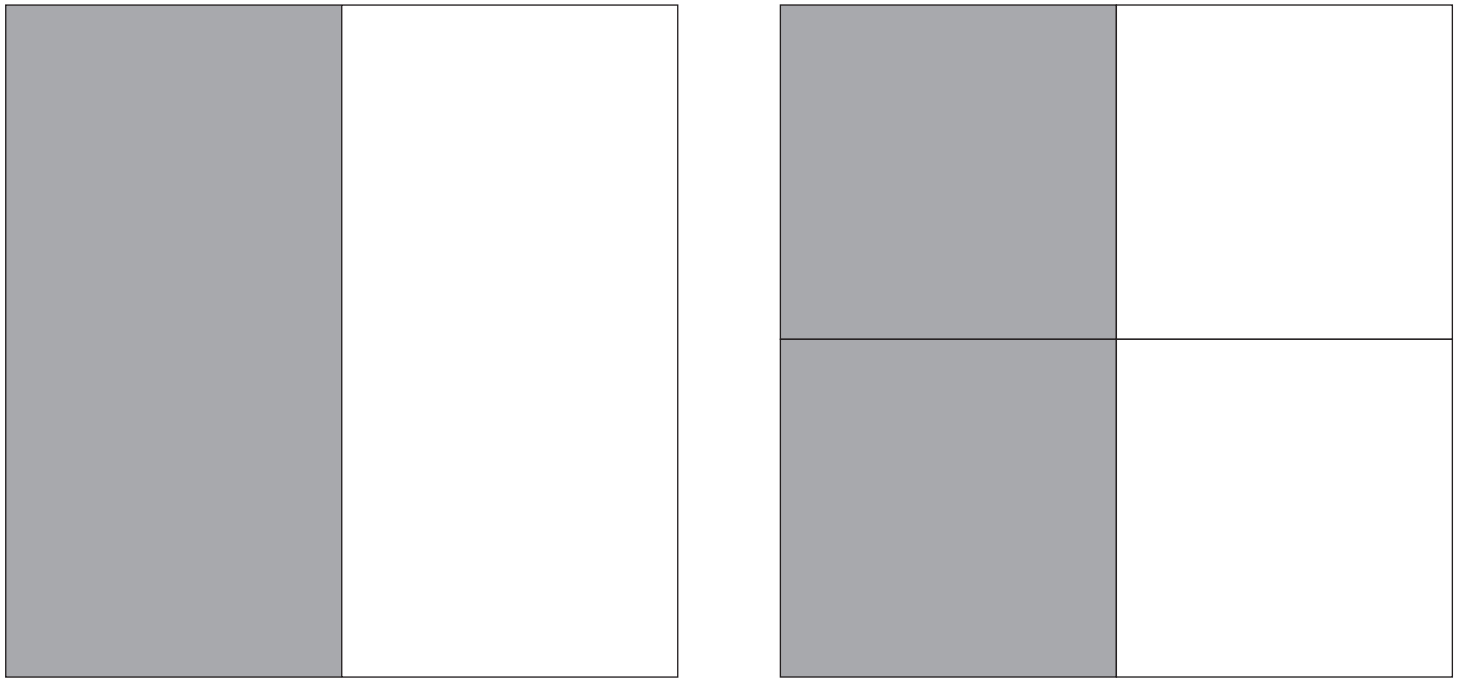
H.



$$\frac{6}{8} + \frac{6}{8}$$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

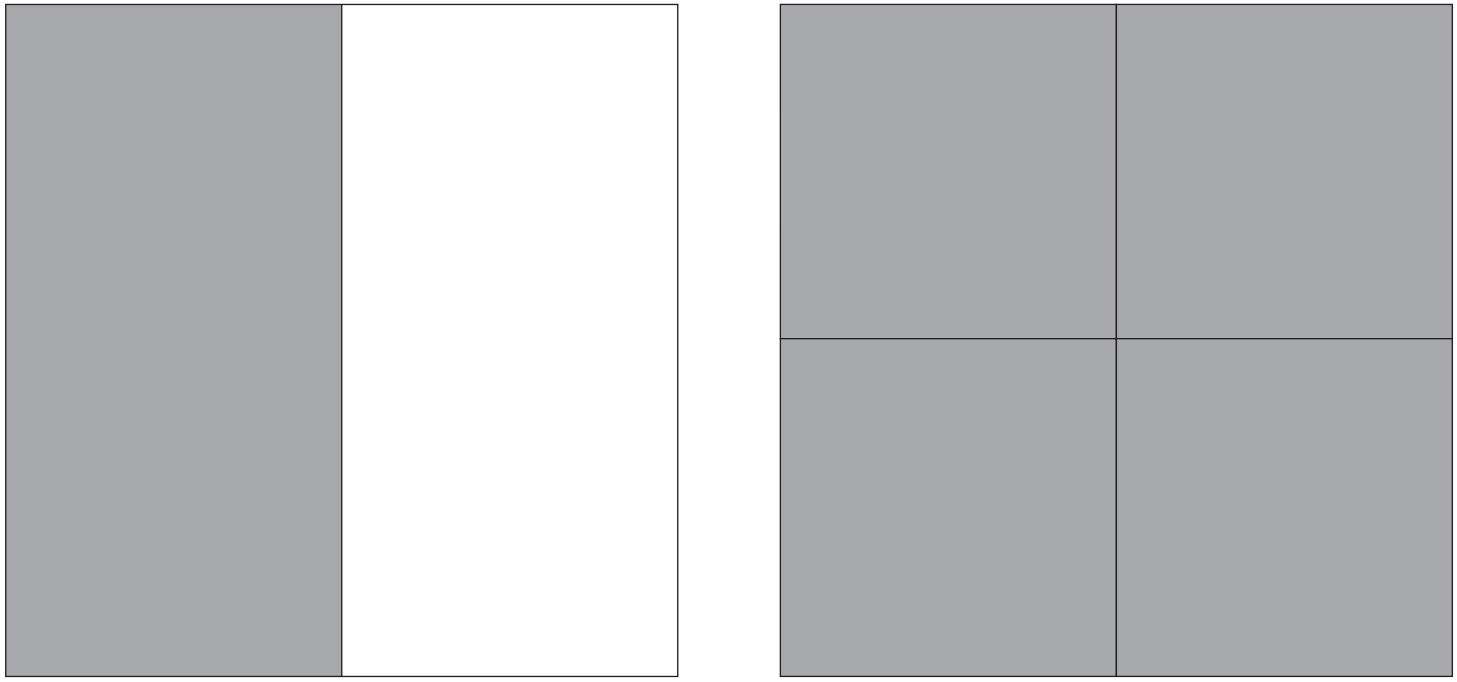
A.



$$\frac{1}{2} + \frac{2}{4}$$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

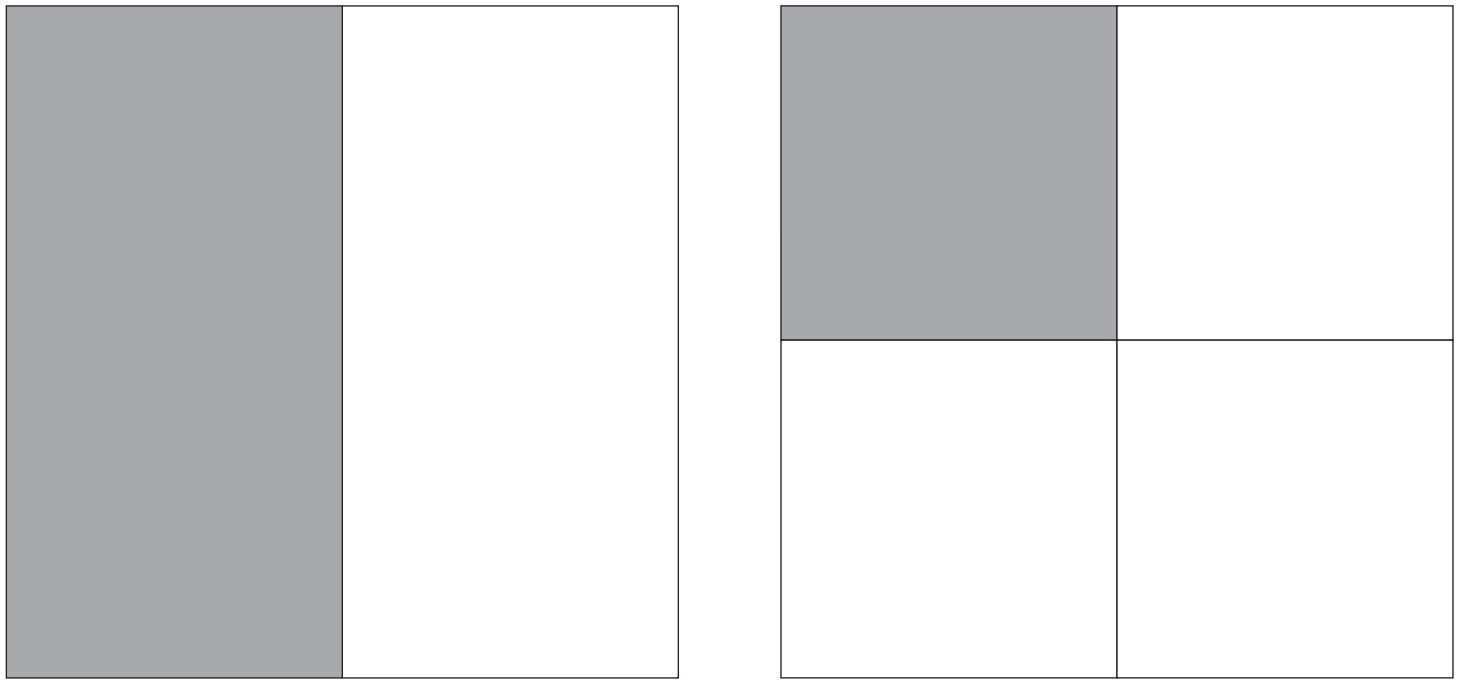
A.



$$\frac{1}{2} + \frac{4}{4}$$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

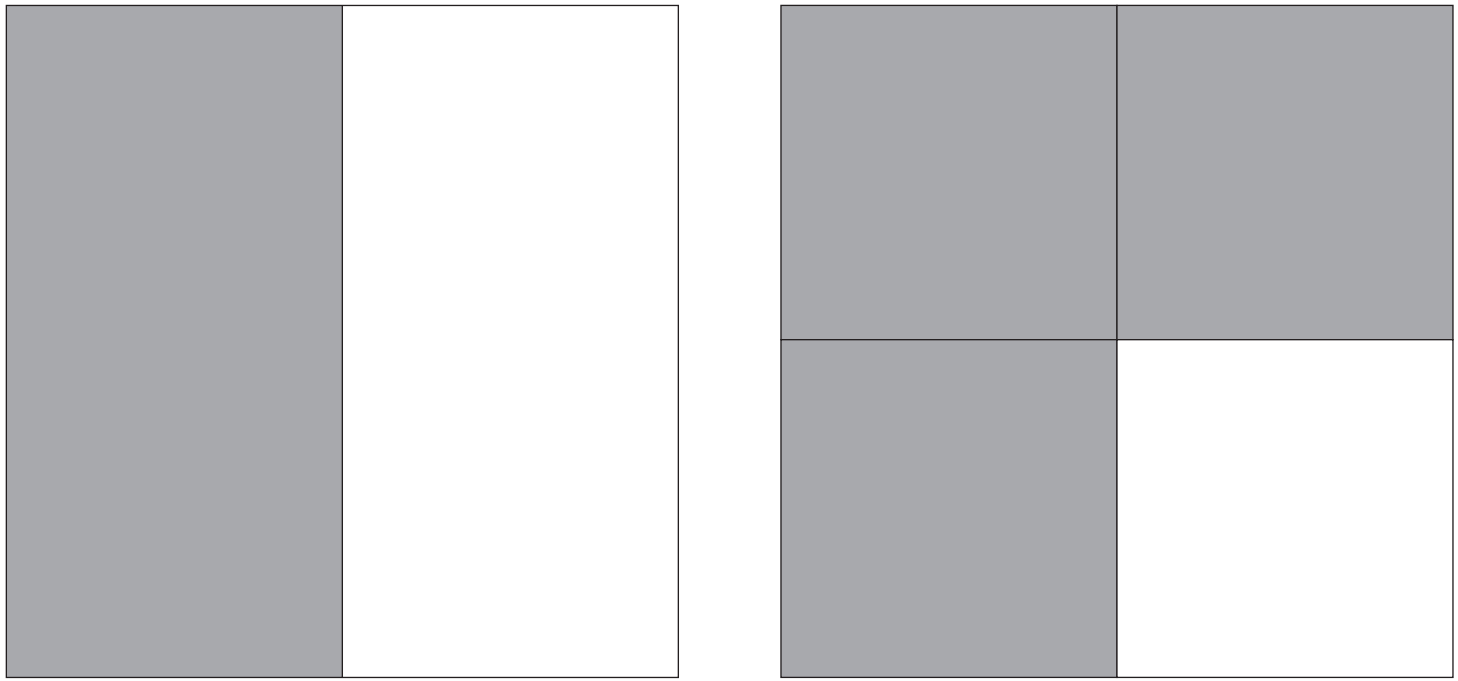
B.



$\frac{1}{2} + \frac{1}{4}$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

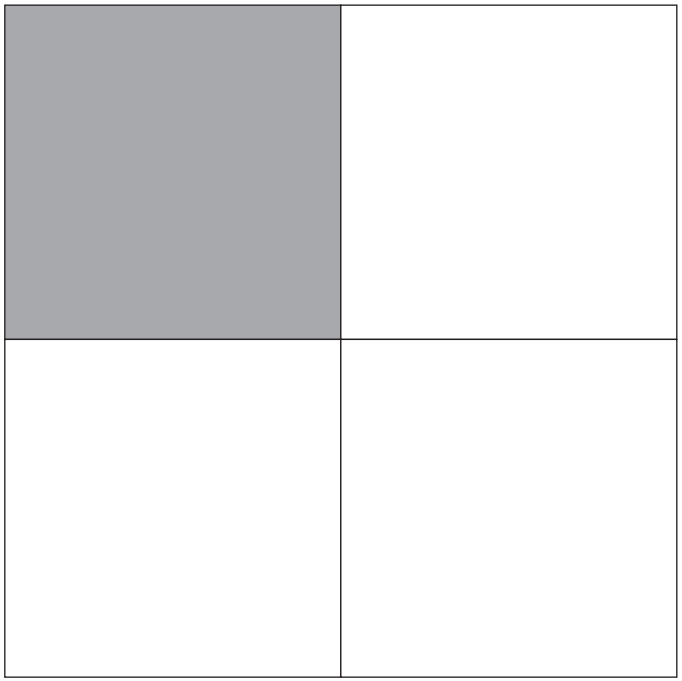
B.



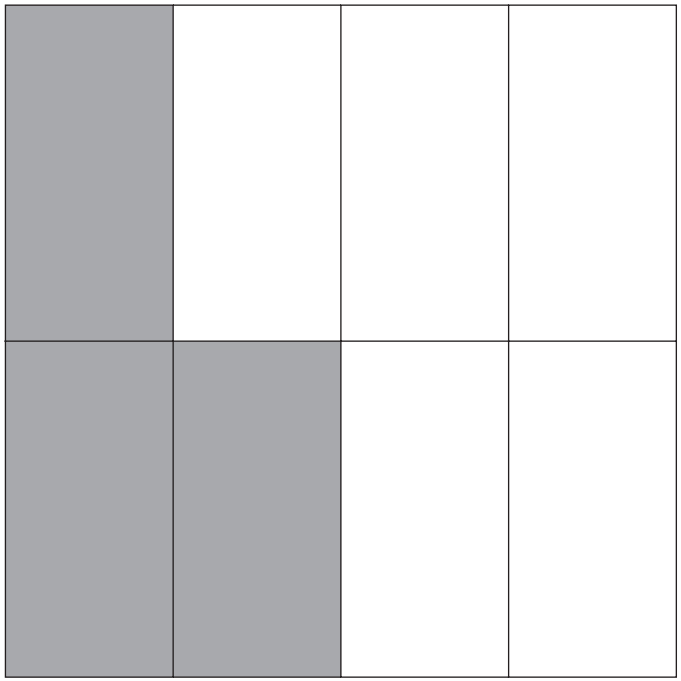
$$\frac{1}{2} + \frac{3}{4}$$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

C.



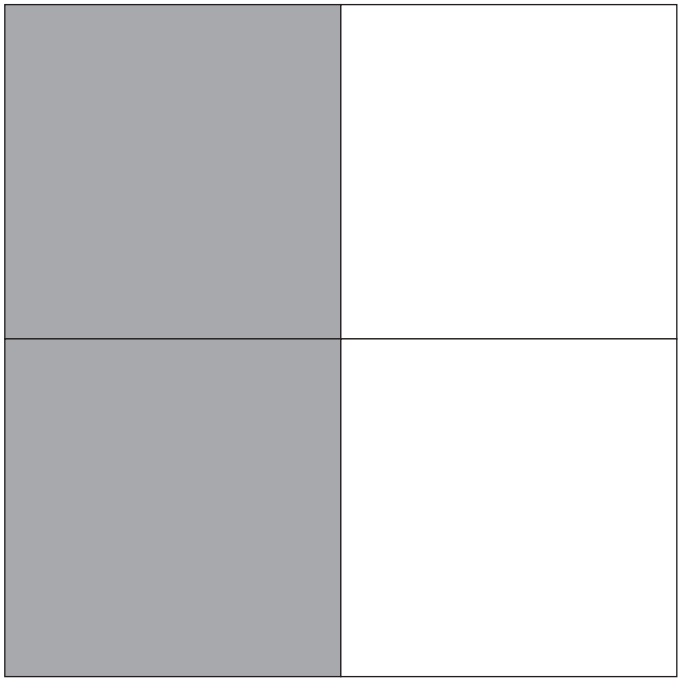
$\frac{1}{4}$ +

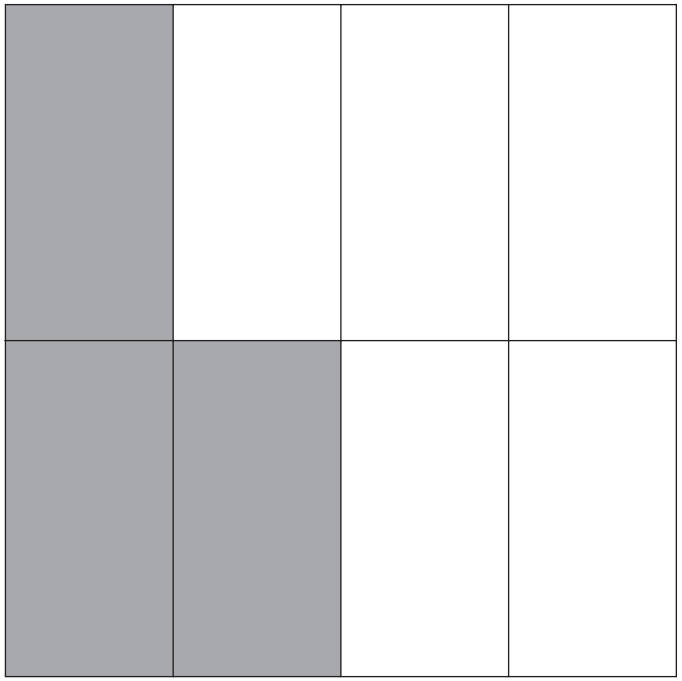


$\frac{3}{8}$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

C.

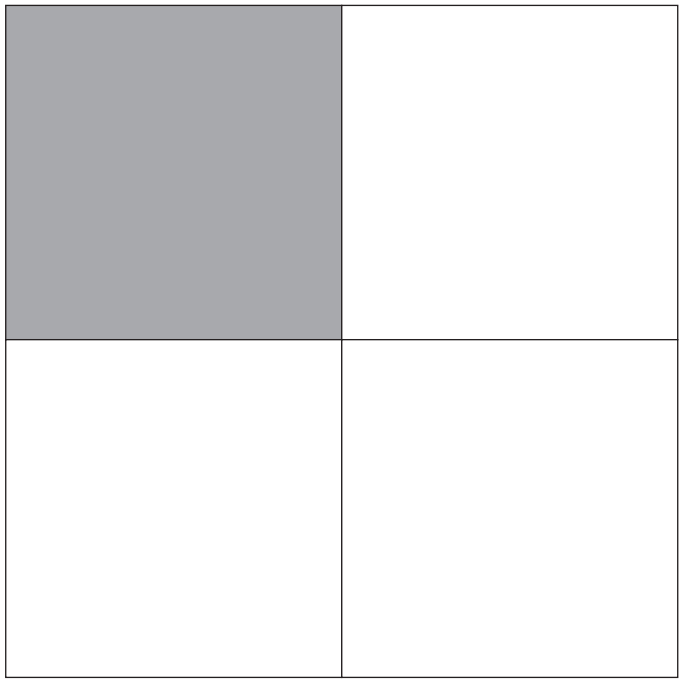


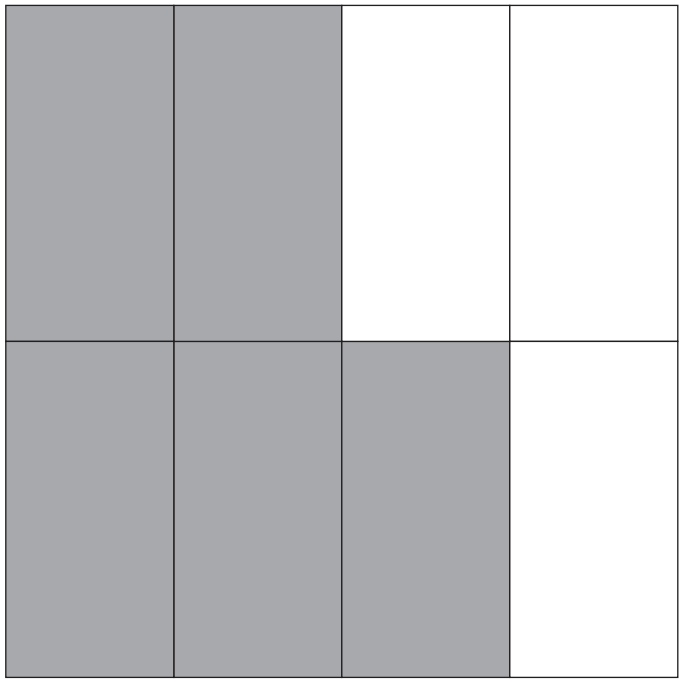
$\frac{2}{4}$ + 

$\frac{3}{8}$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

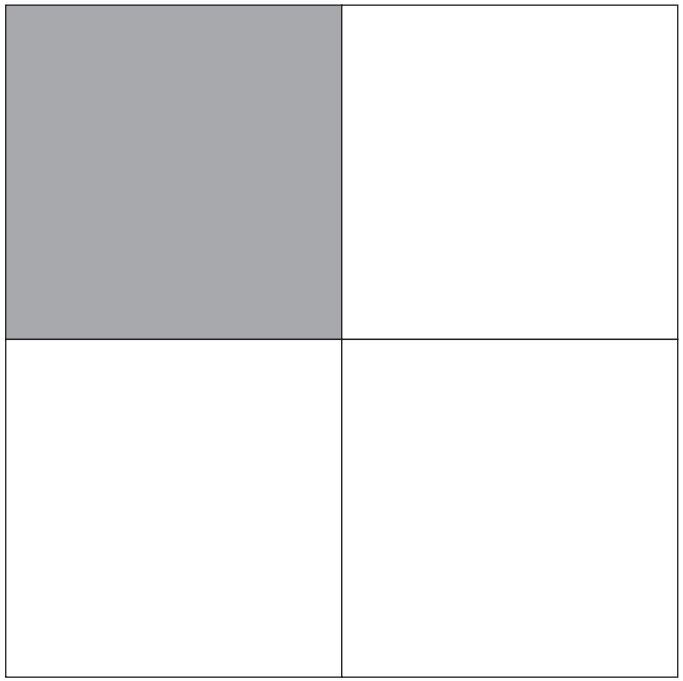
D.

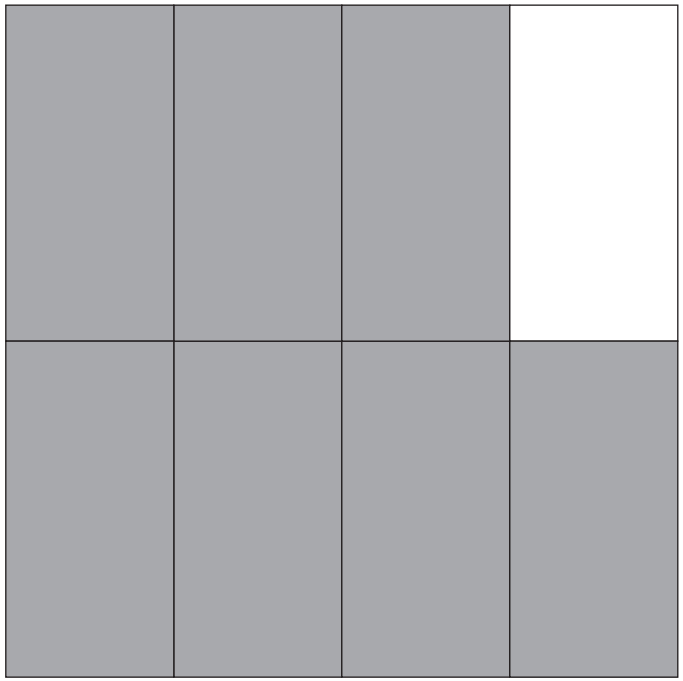


$\frac{1}{4}$ +  $\frac{5}{8}$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

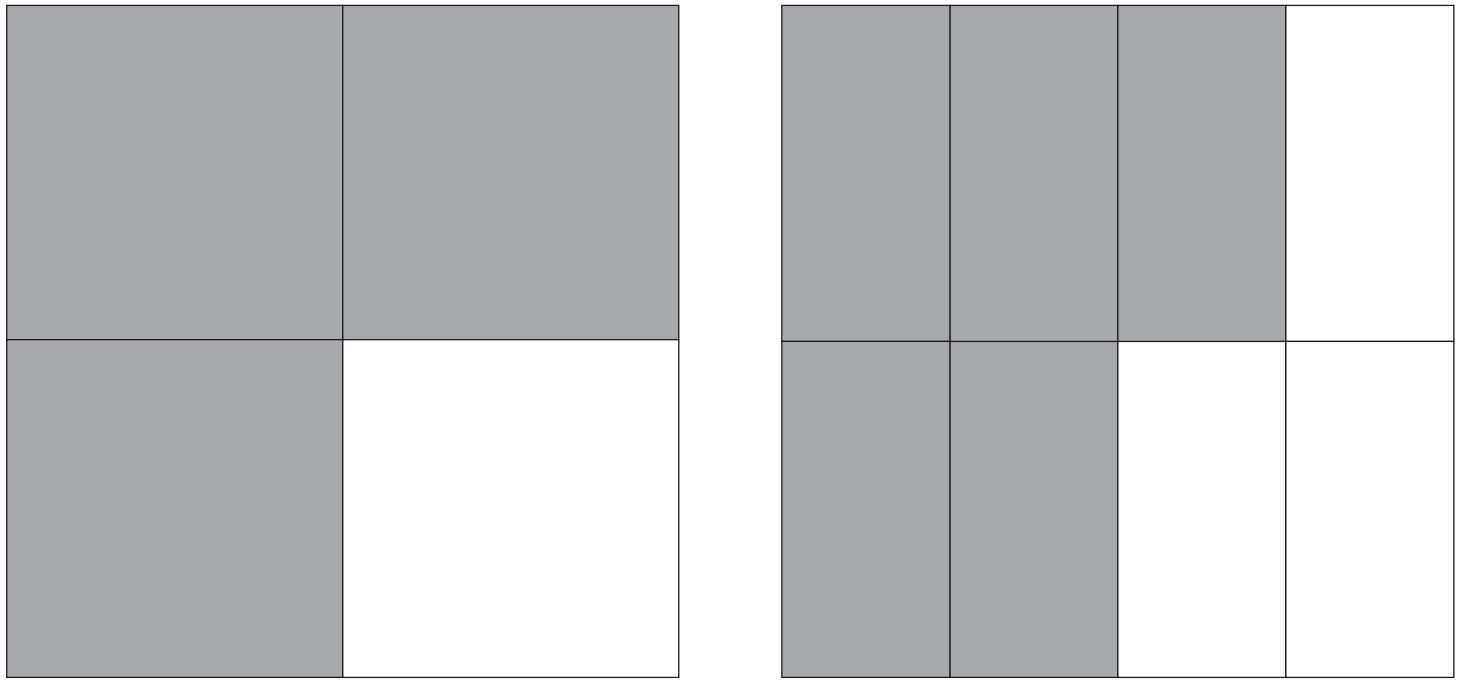
D.



$\frac{1}{4}$ +  $\frac{7}{8}$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

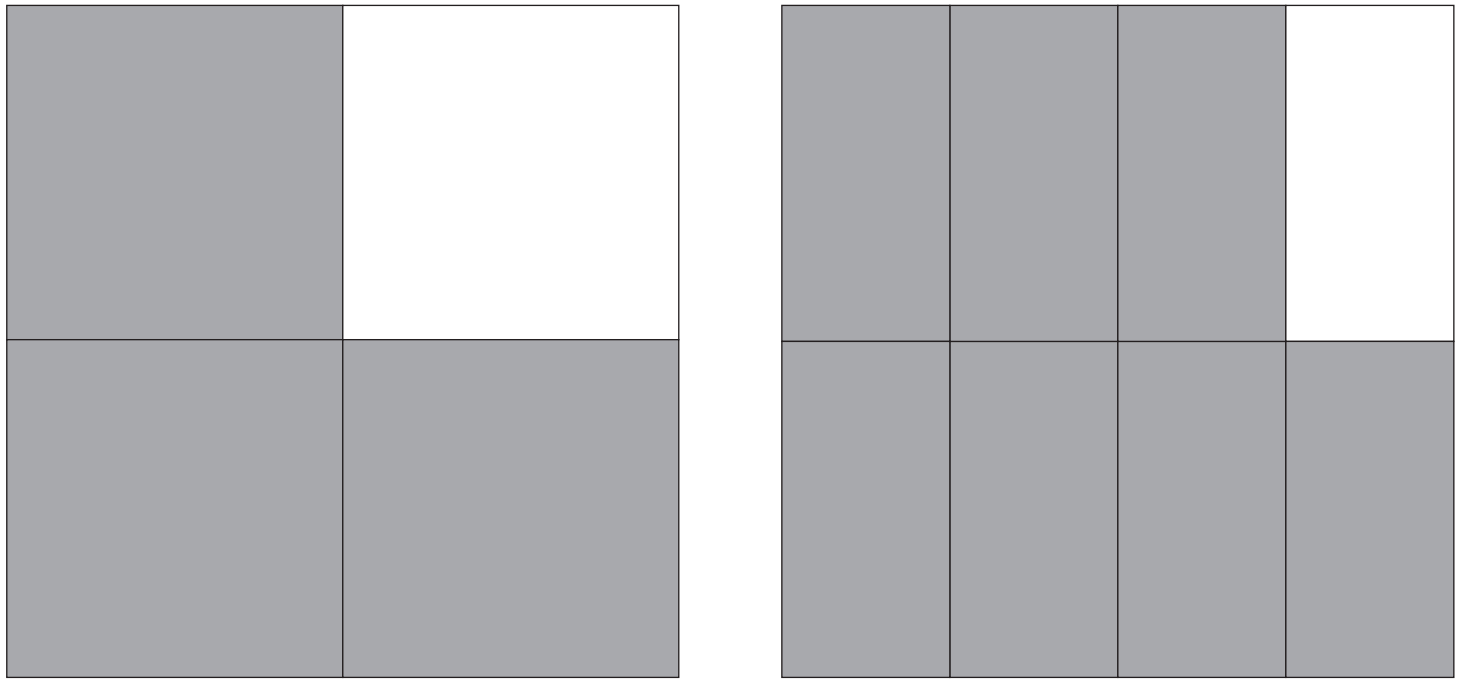
E.



$$\frac{3}{4} + \frac{5}{8}$$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

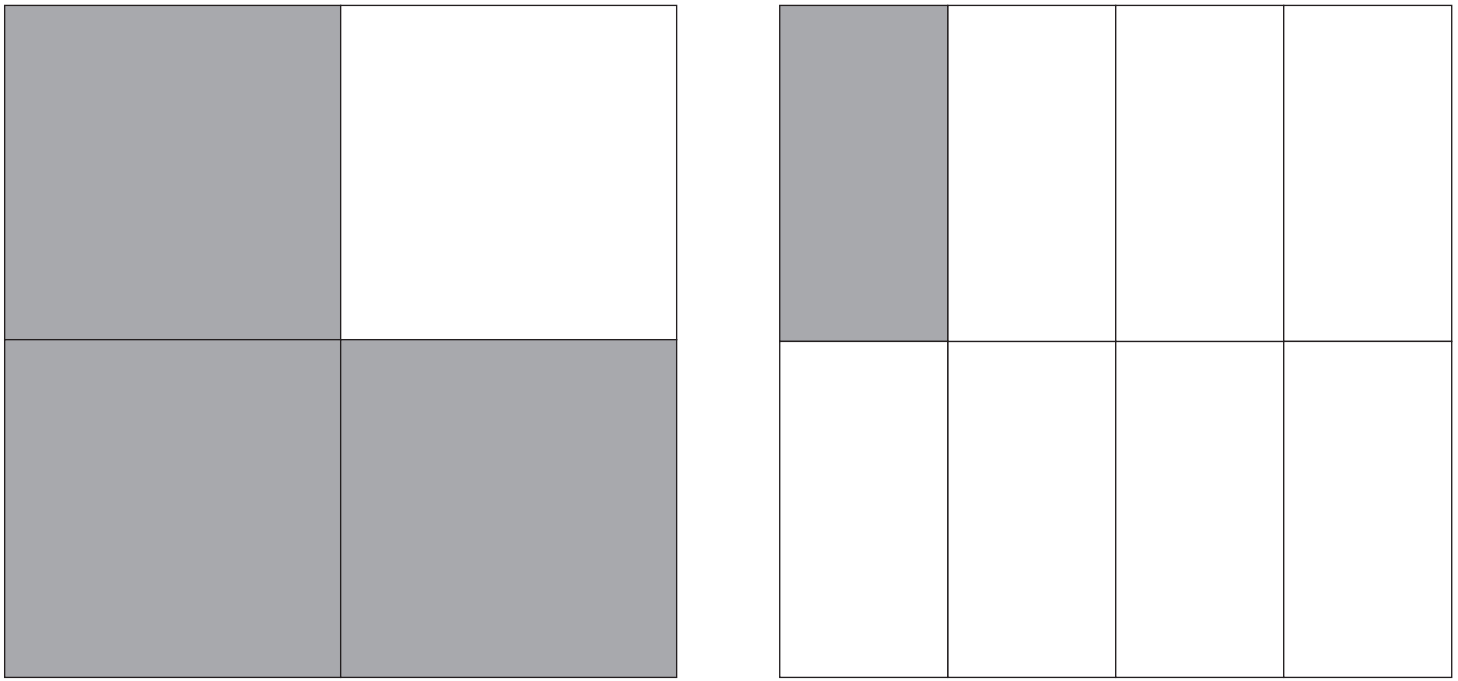
E.



$$\frac{3}{4} + \frac{7}{8}$$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

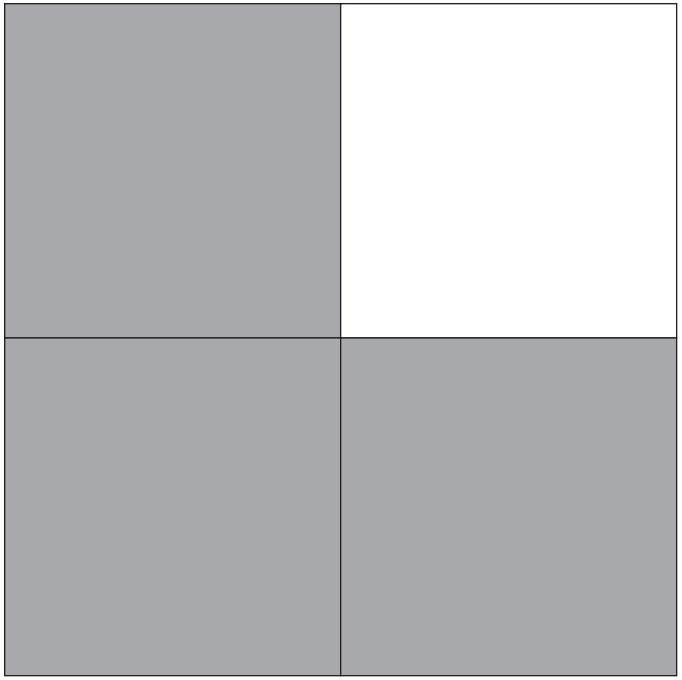
F.

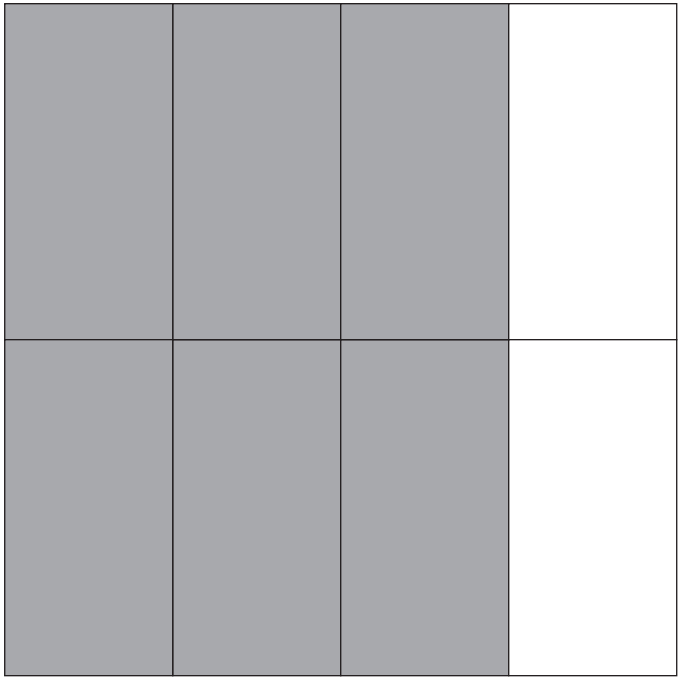


$$\frac{3}{4} + \frac{1}{8}$$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

F.

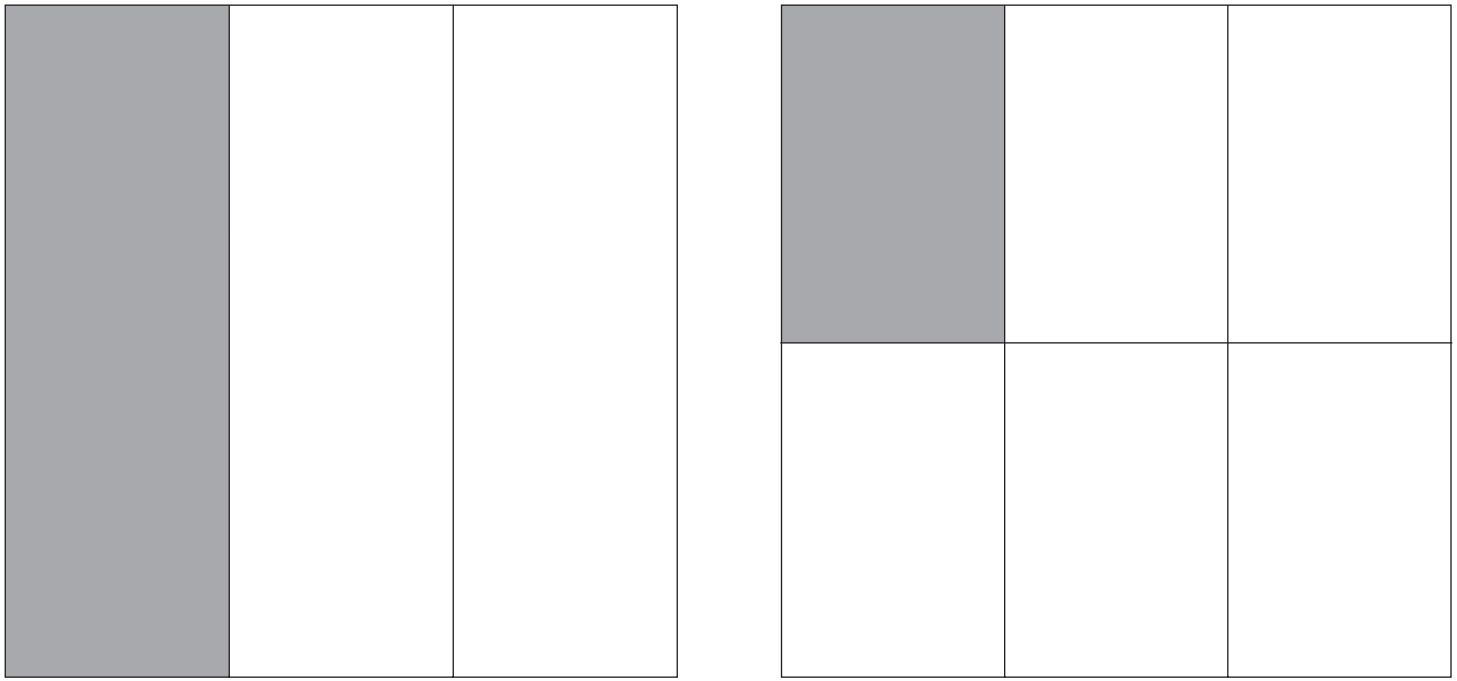


$\frac{3}{4}$ + 

$\frac{6}{8}$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

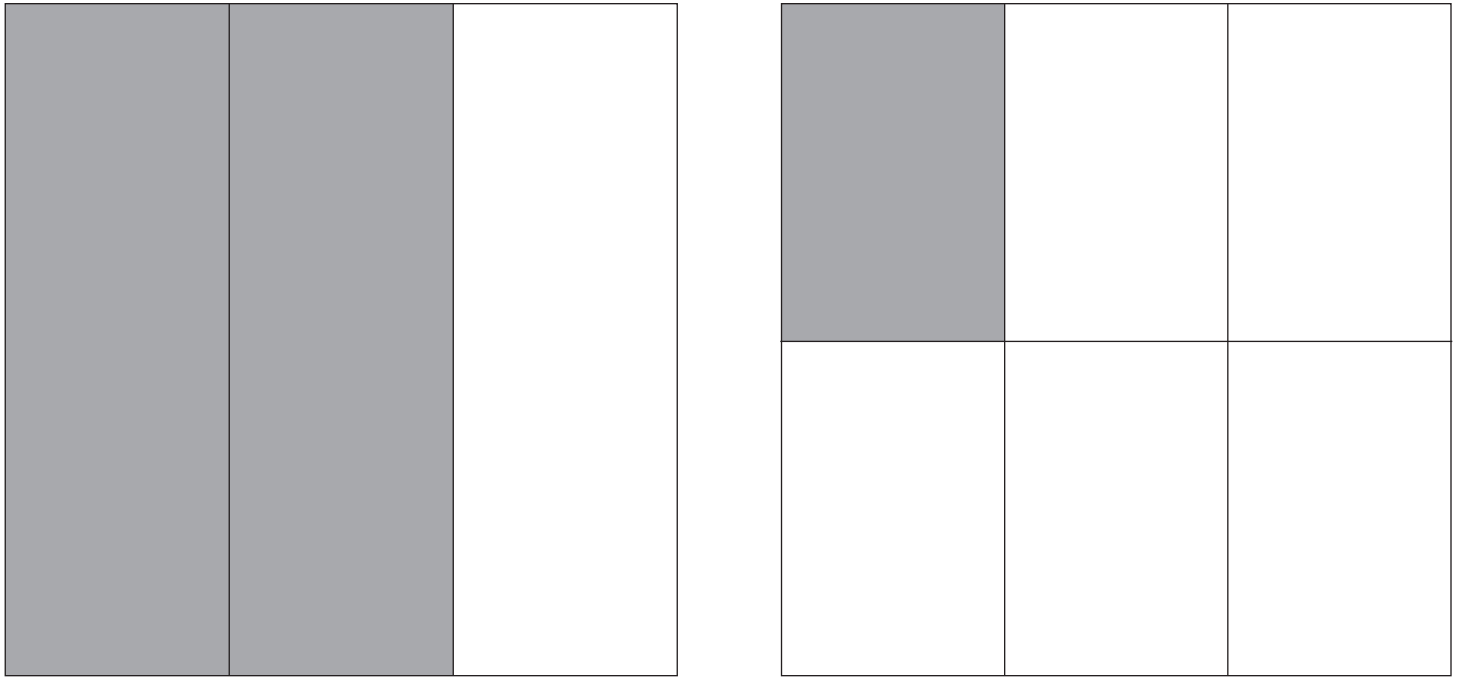
G.



$$\frac{1}{3} + \frac{1}{6}$$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

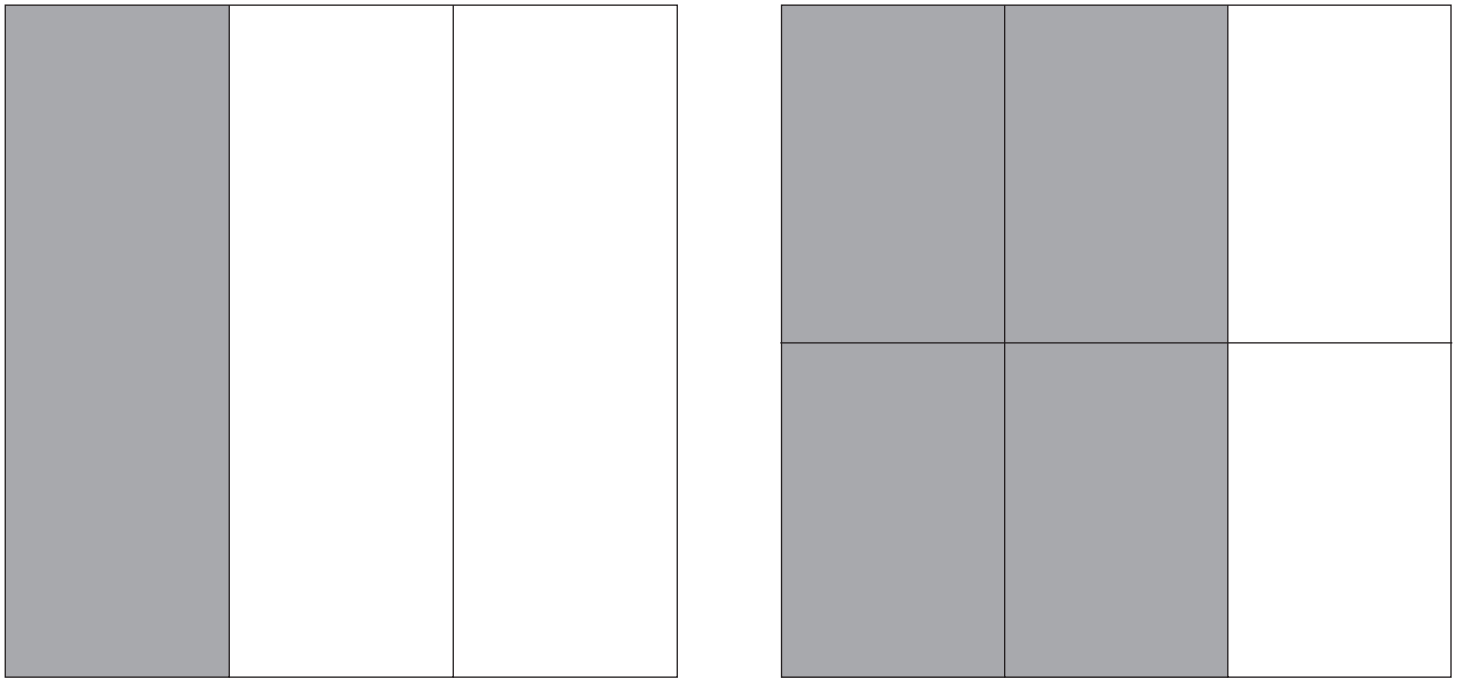
G.



$$\frac{2}{3} + \frac{1}{6}$$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

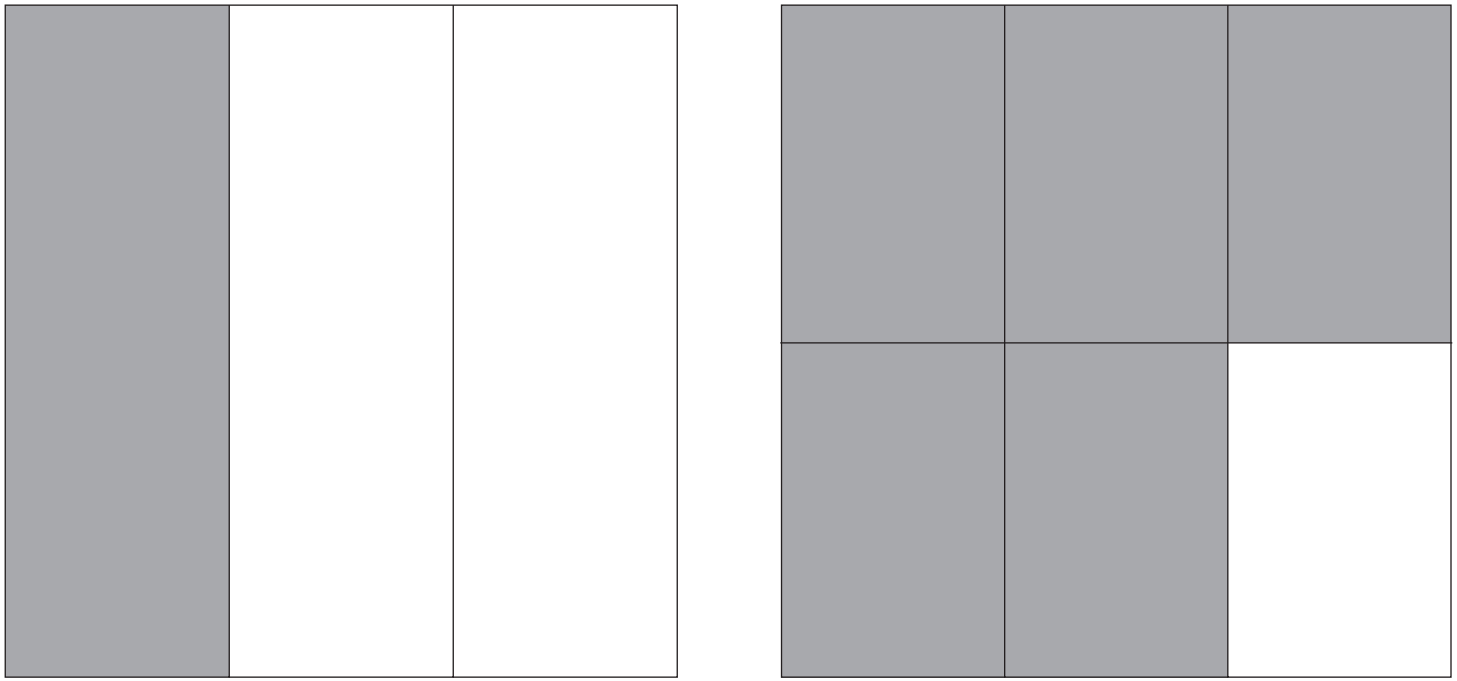
H.



$$\frac{1}{3} + \frac{4}{6}$$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

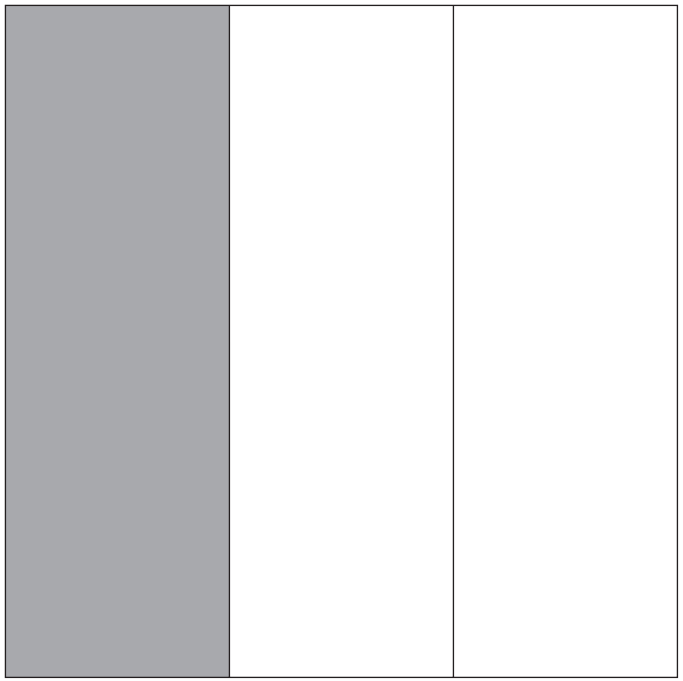
H.

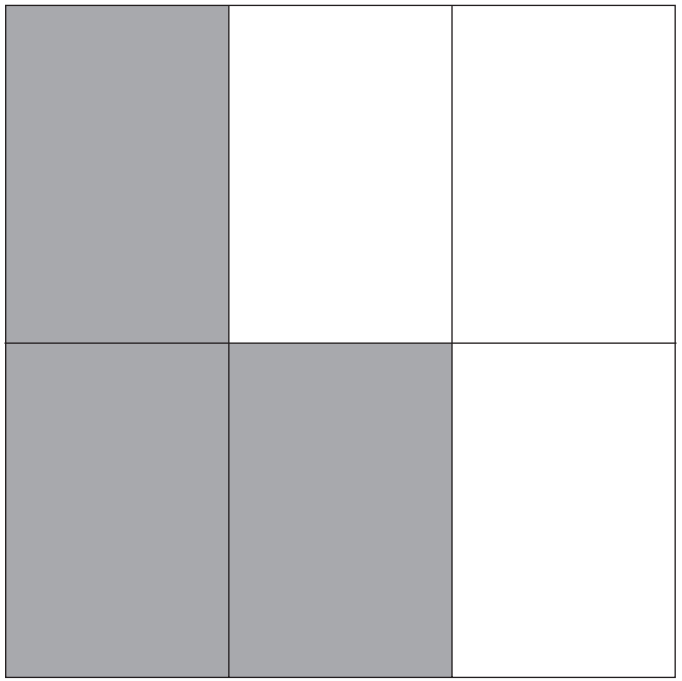


$$\frac{1}{3} + \frac{5}{6}$$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

1.

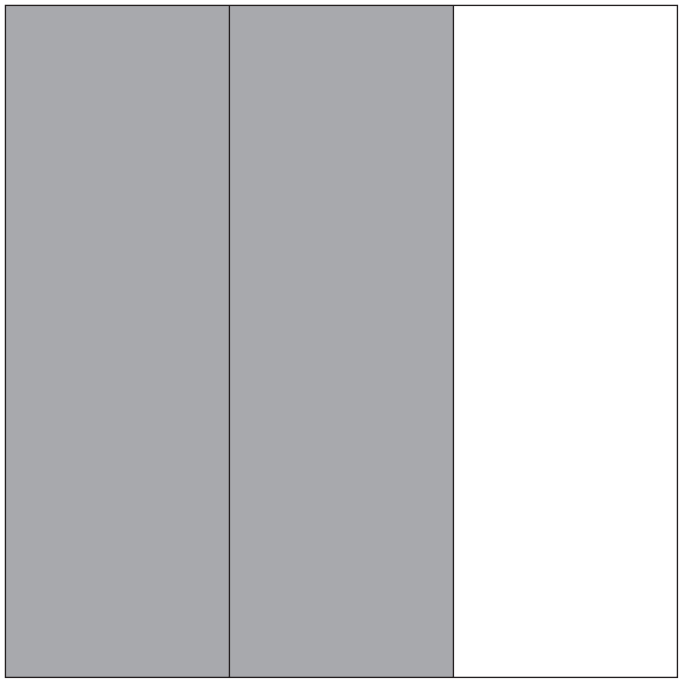


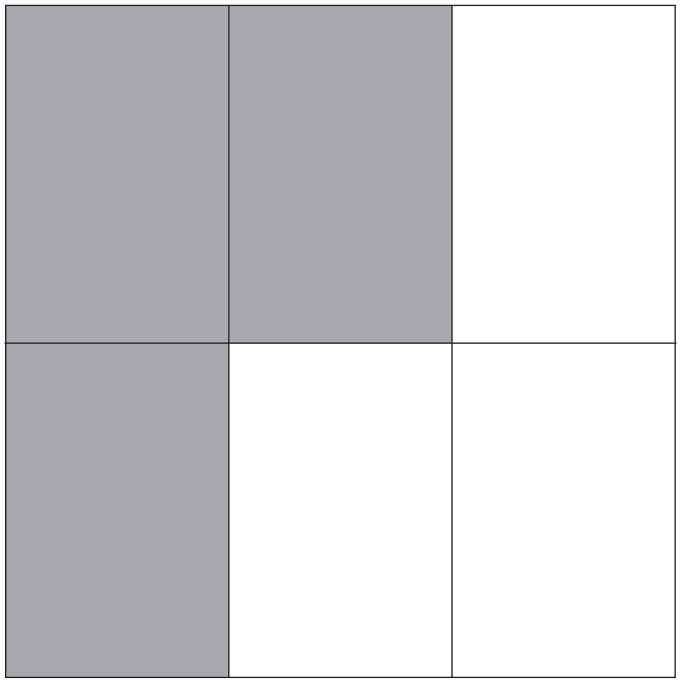
$\frac{1}{3}$ + 

$\frac{3}{6}$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

1.

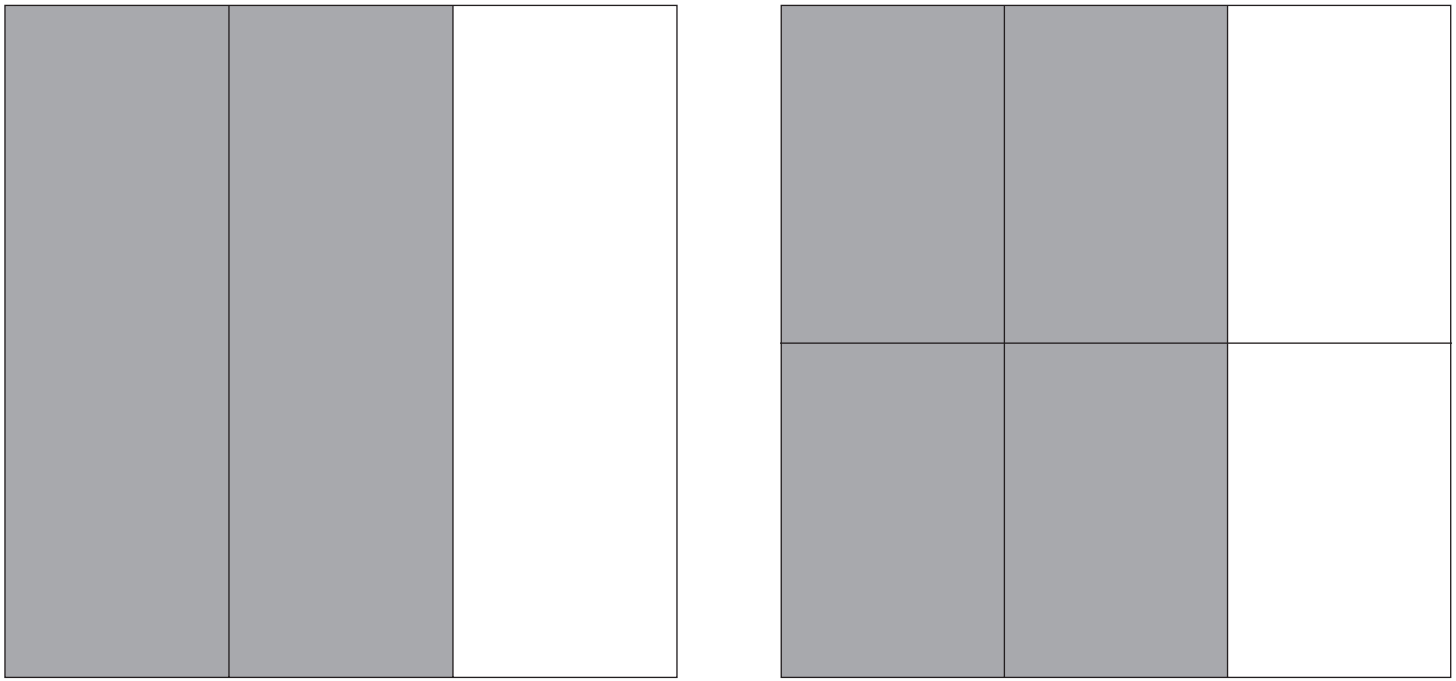


$\frac{2}{3}$ + 

$\frac{3}{6}$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

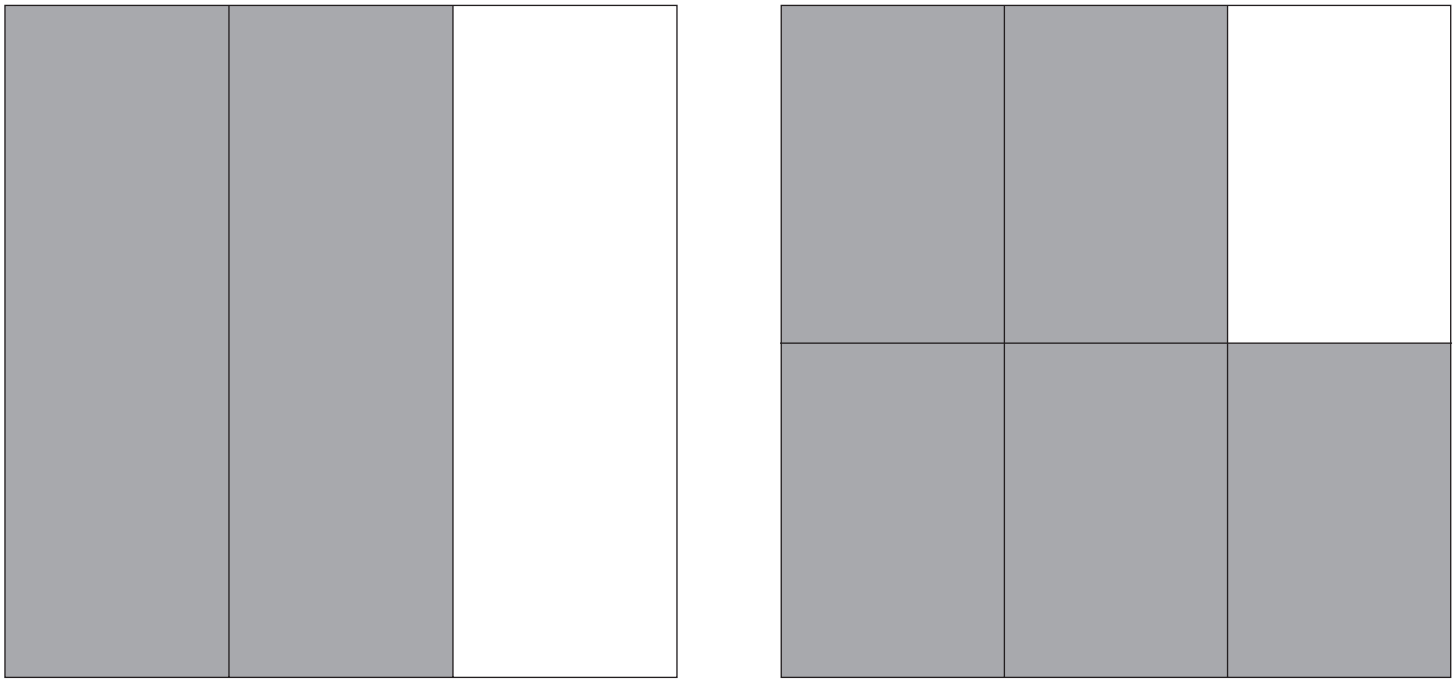
J.



$$\frac{2}{3} + \frac{4}{6}$$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

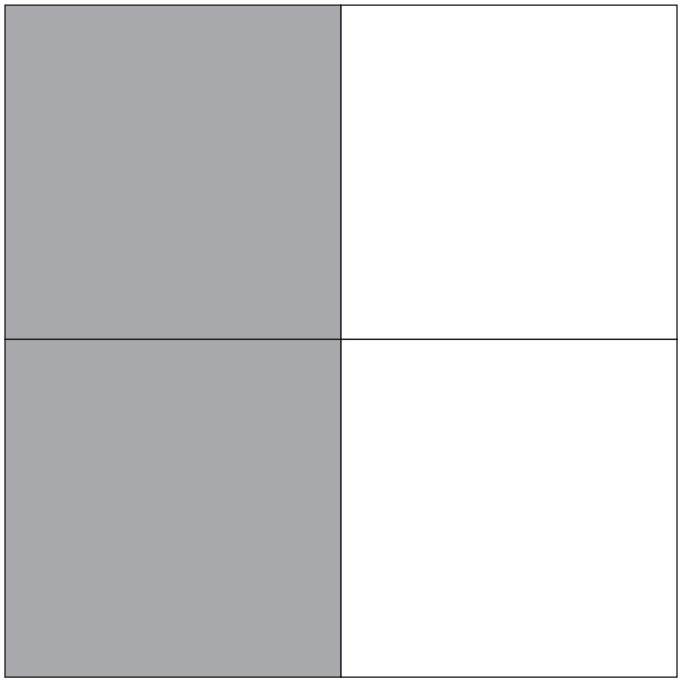
J.

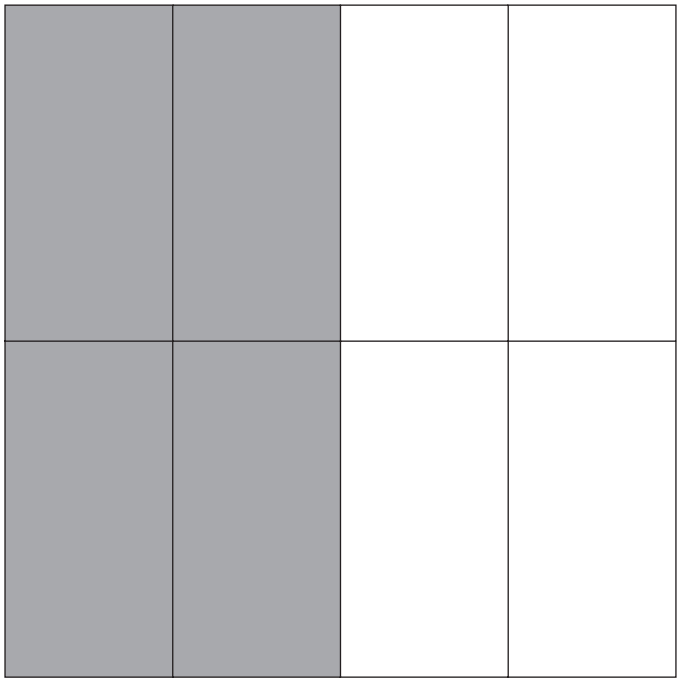


$$\frac{2}{3} + \frac{5}{6}$$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

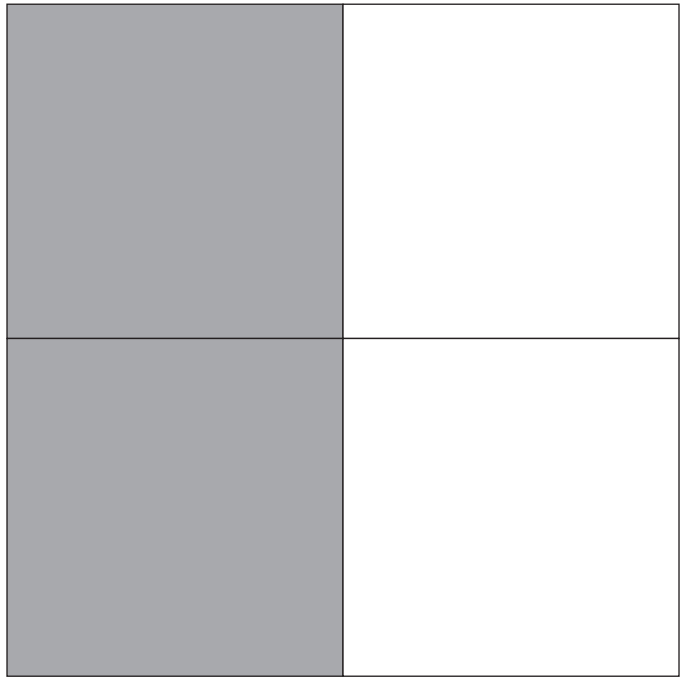
K.

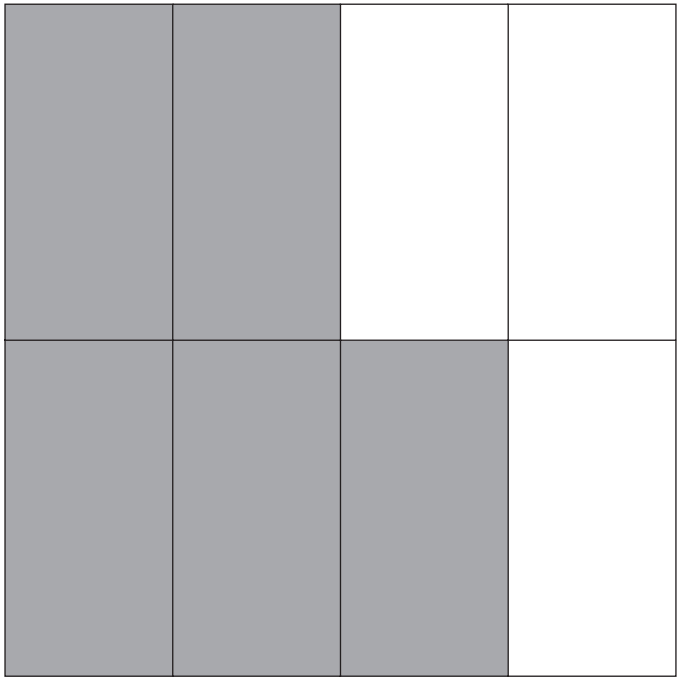


$\frac{1}{2}$ +  $\frac{4}{8}$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

K.

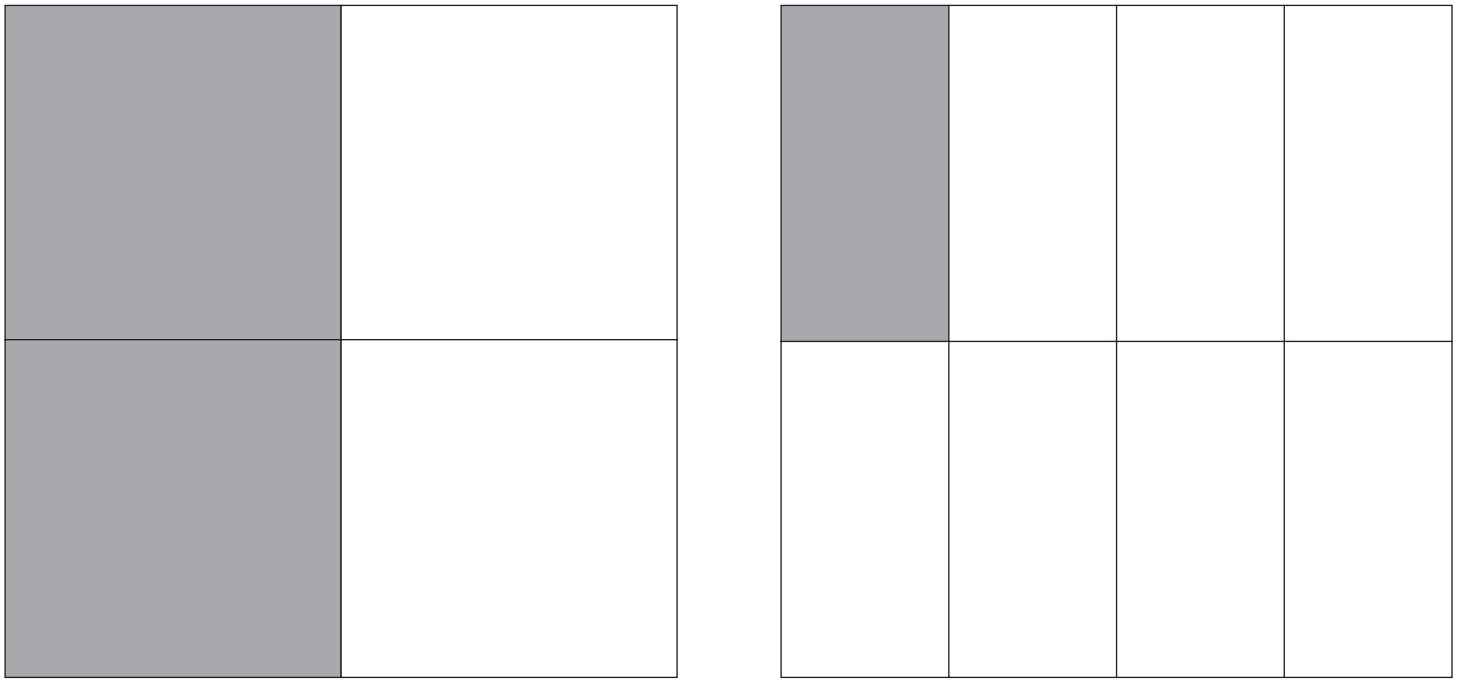


$\frac{1}{2}$ + 

$\frac{5}{8}$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

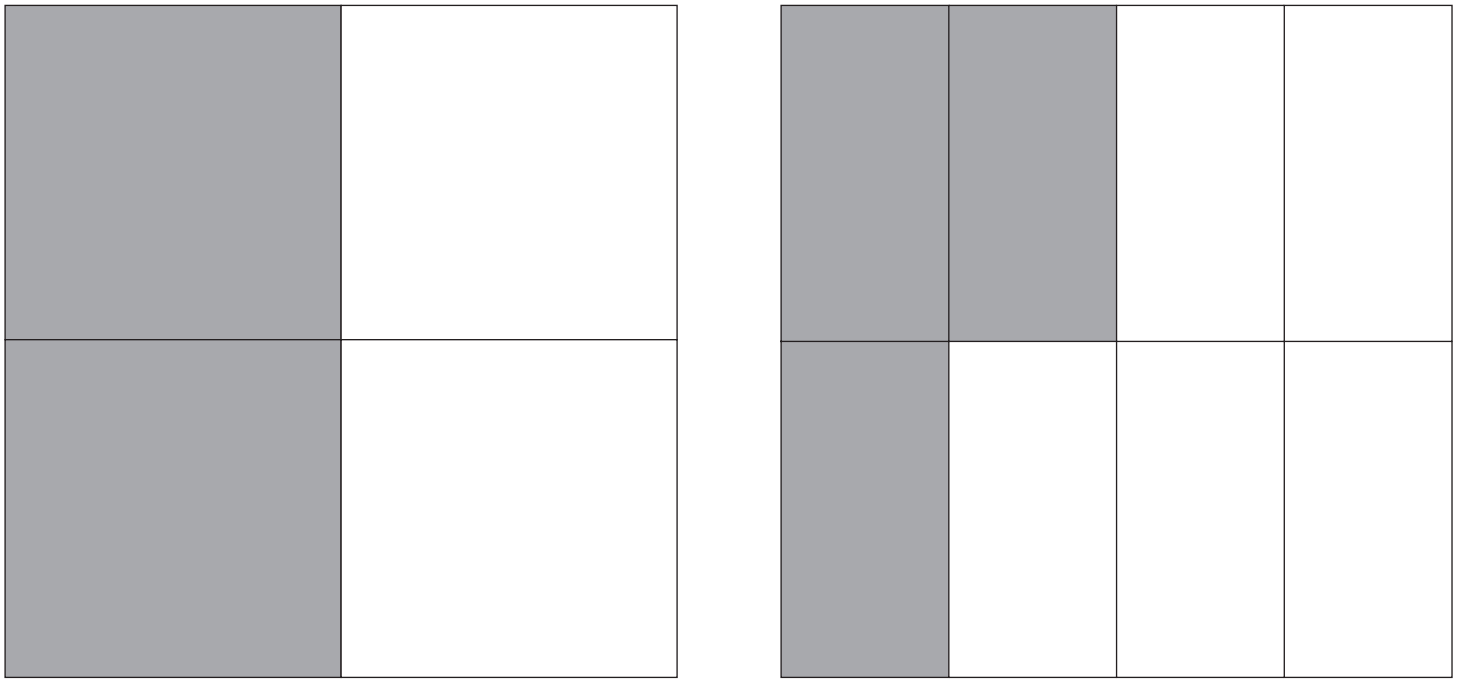
L.



$$\frac{1}{2} + \frac{1}{8}$$

How can you solve ___ + ____?
How can you use what we already know to solve this next problem?

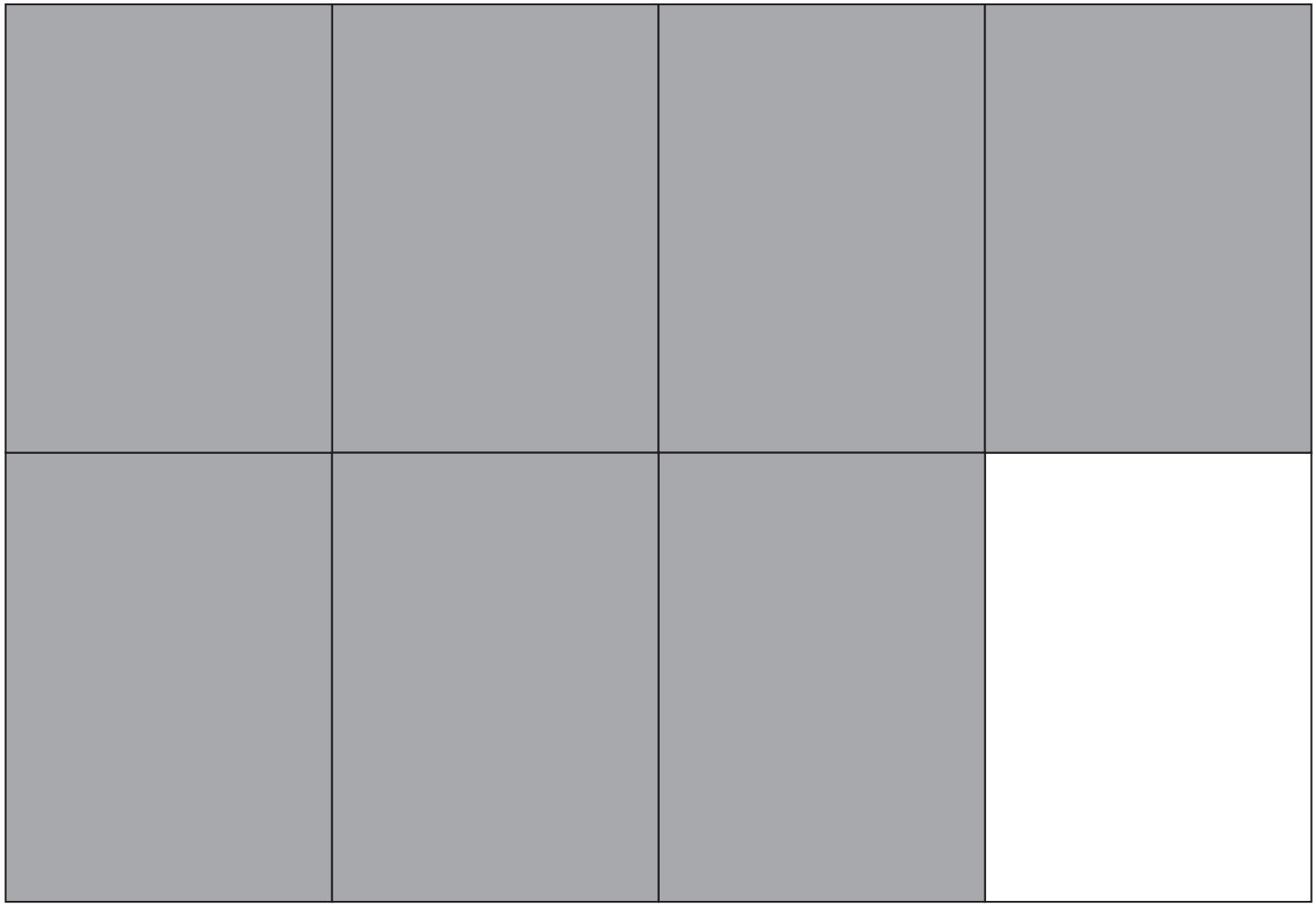
L.



$$\frac{1}{2} + \frac{3}{8}$$

What is ___ – ___? How do you know?
How can you use what we already know to solve the next problem?

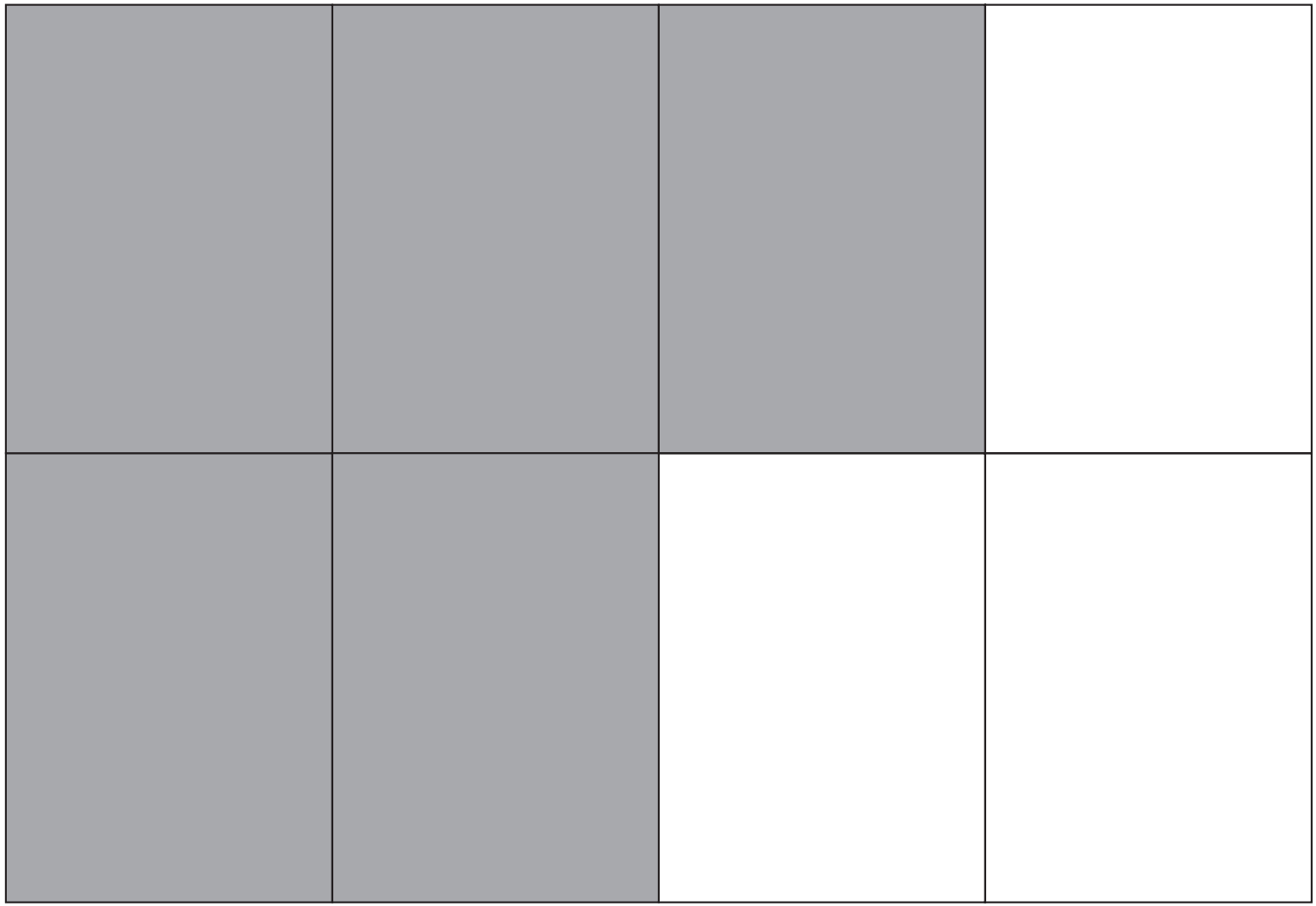
A.



$\frac{7}{8} - \frac{2}{8}$ $\frac{7}{8} - \frac{3}{8}$ $\frac{7}{8} - \frac{5}{8}$

What is ___ – ___? How do you know?
How can you use what we already know to solve the next problem?

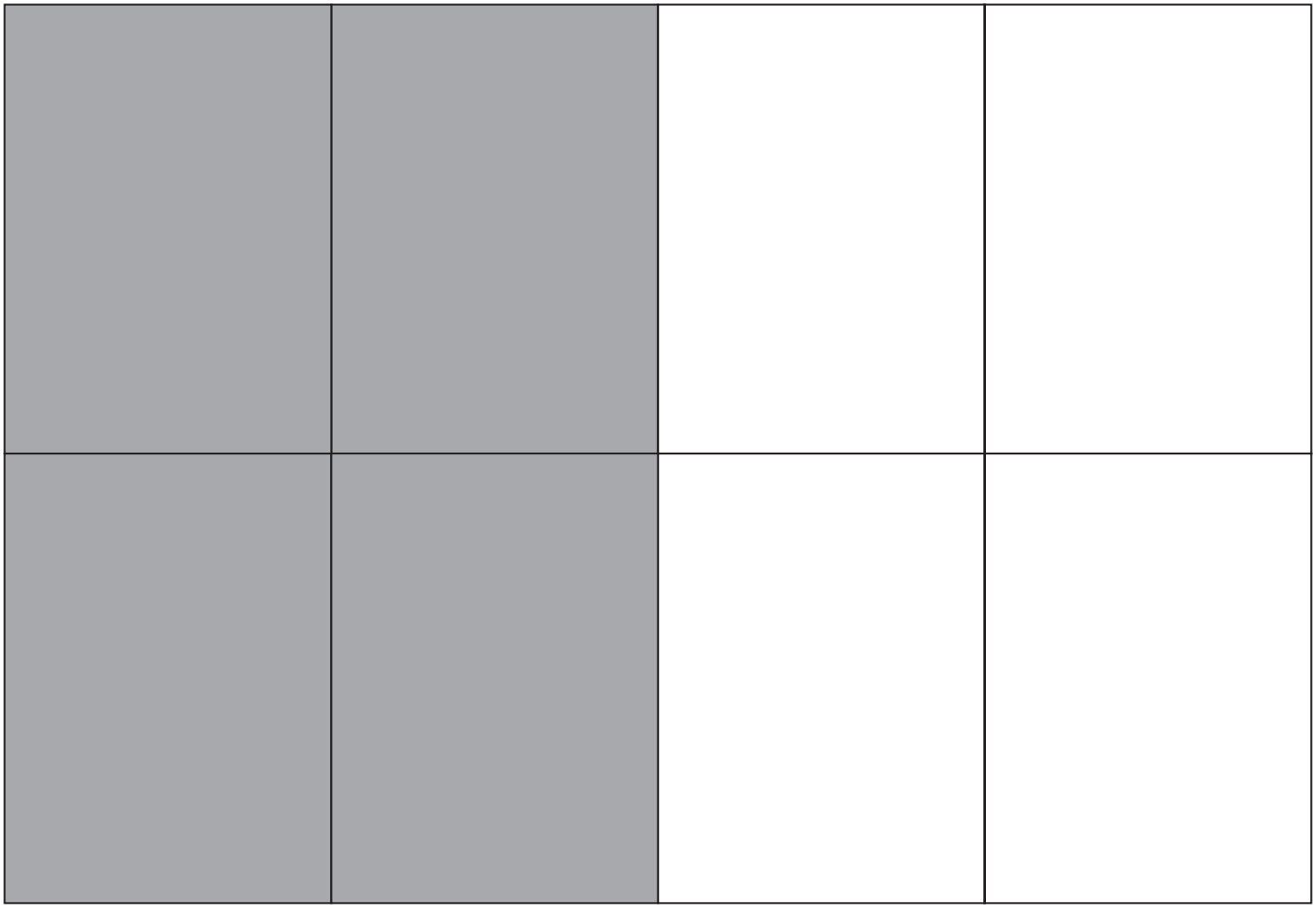
B.



$\frac{5}{8} - \frac{1}{8}$ $\frac{5}{8} - \frac{1}{2}$ $\frac{5}{8} - \frac{1}{4}$

What is ___ – ___? How do you know?
How can you use what we already know to solve the next problem?

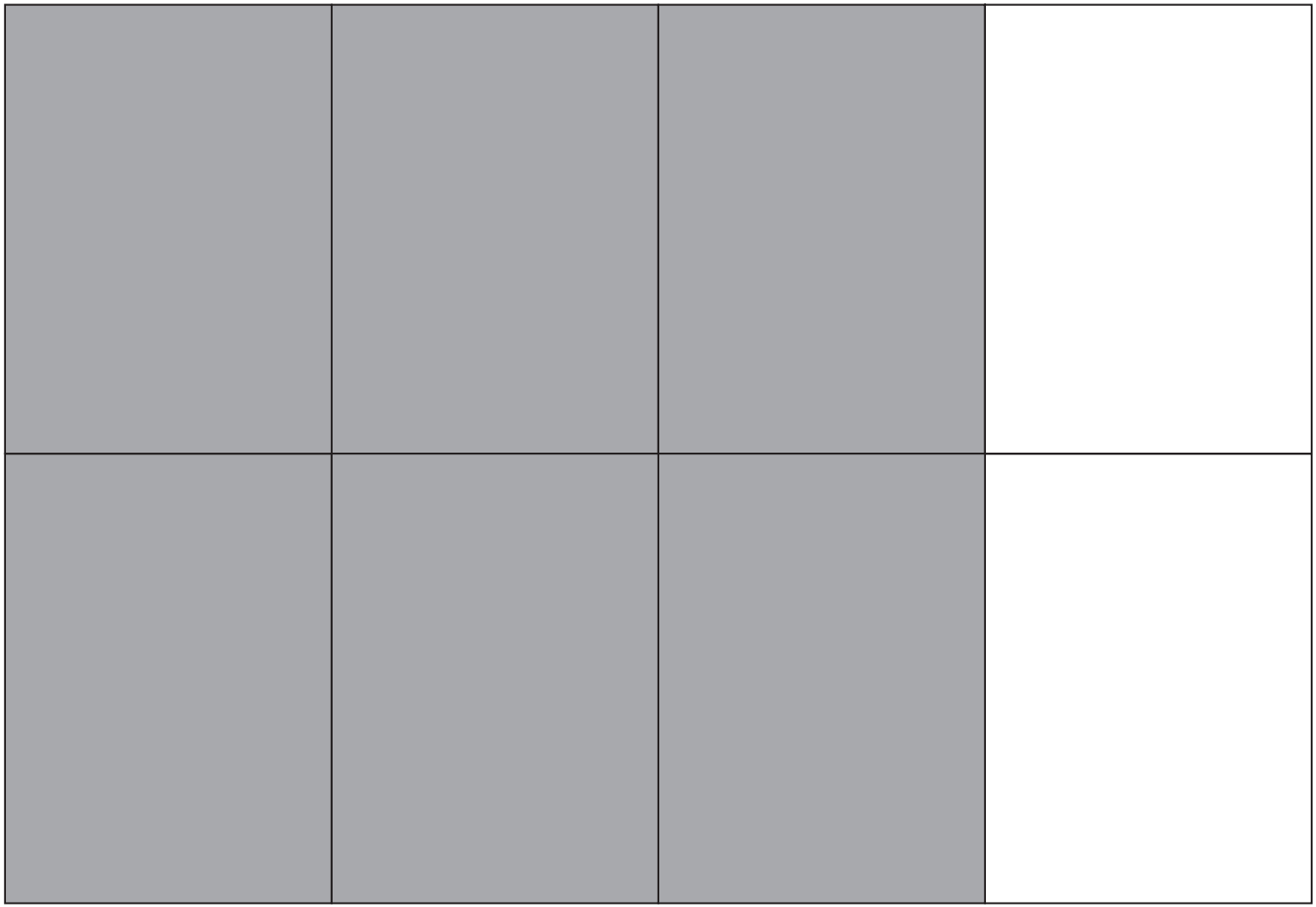
C.



$\frac{1}{2} - \frac{1}{8}$ $\frac{1}{2} - \frac{3}{8}$ $\frac{1}{2} - \frac{1}{4}$

What is ___ – ___? How do you know?
How can you use what we already know to solve the next problem?

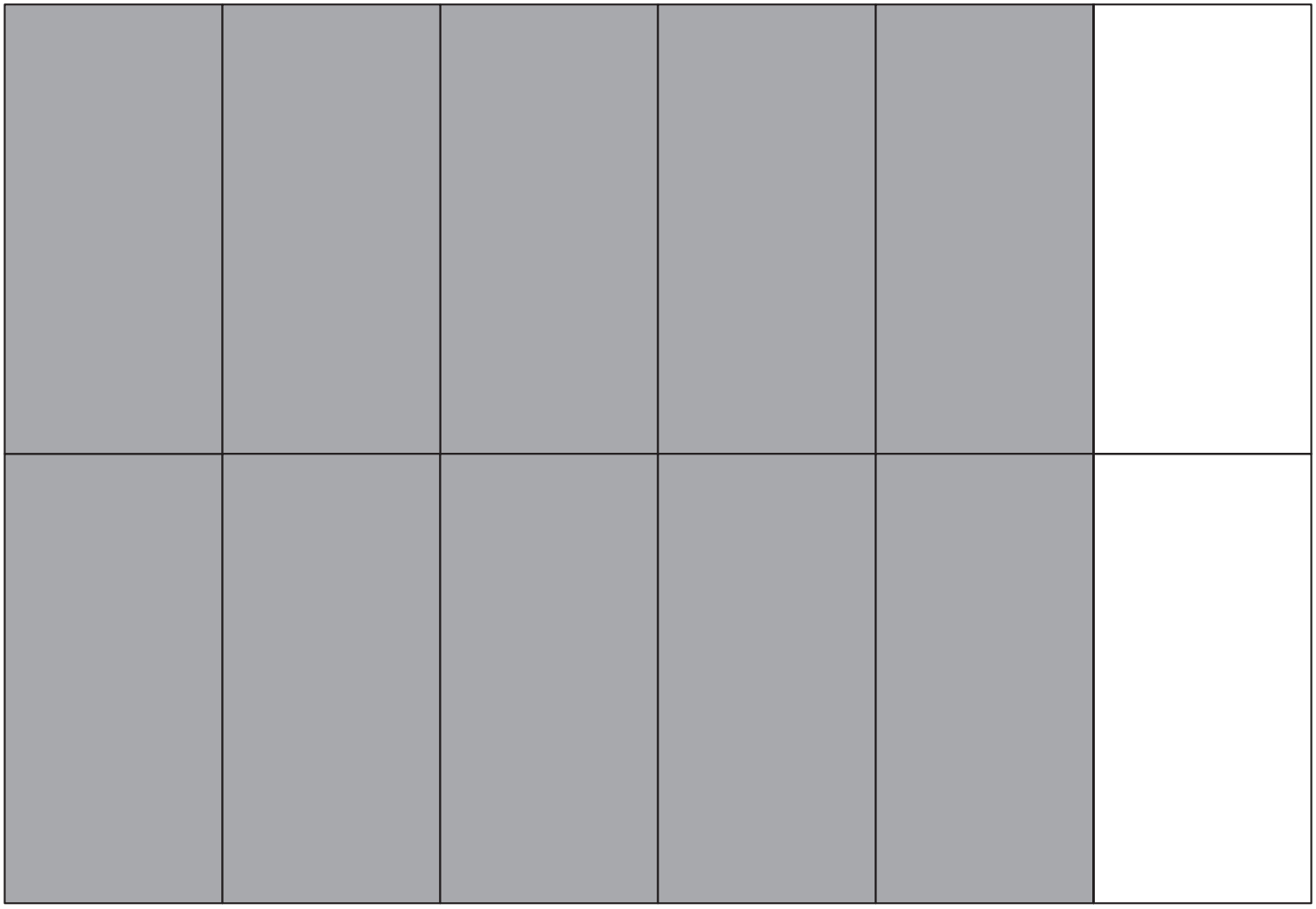
A.



$\frac{3}{4} - \frac{1}{4}$ $\frac{3}{4} - \frac{1}{2}$ $\frac{3}{4} - \frac{3}{8}$

What is ___ – ___? How do you know?
How can you use what we already know to solve the next problem?

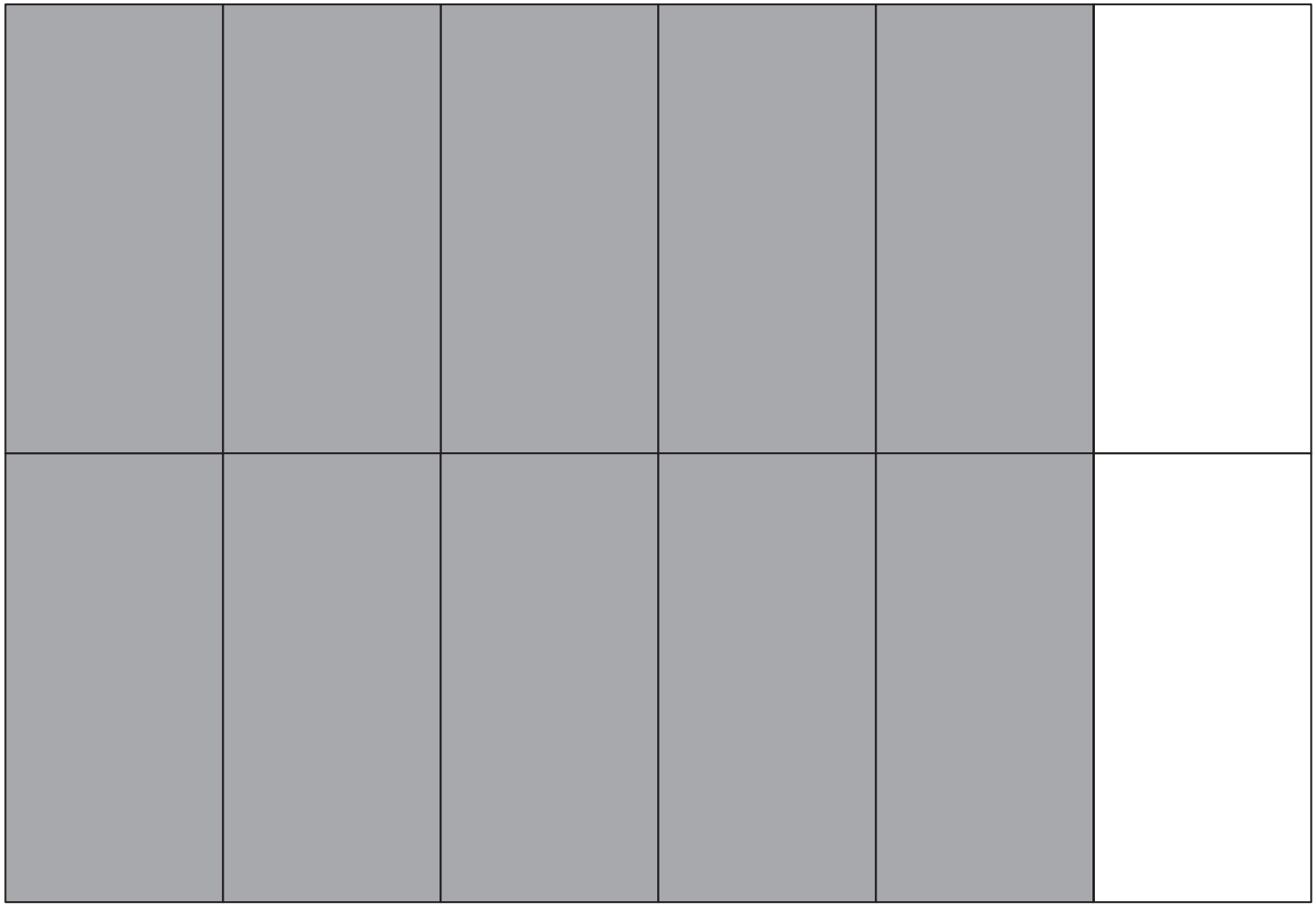
B.



$\frac{5}{6} - \frac{1}{6}$ $\frac{5}{6} - \frac{3}{6}$ $\frac{5}{6} - \frac{4}{6}$

What is ___ – ___? How do you know?
How can you use what we already know to solve the next problem?

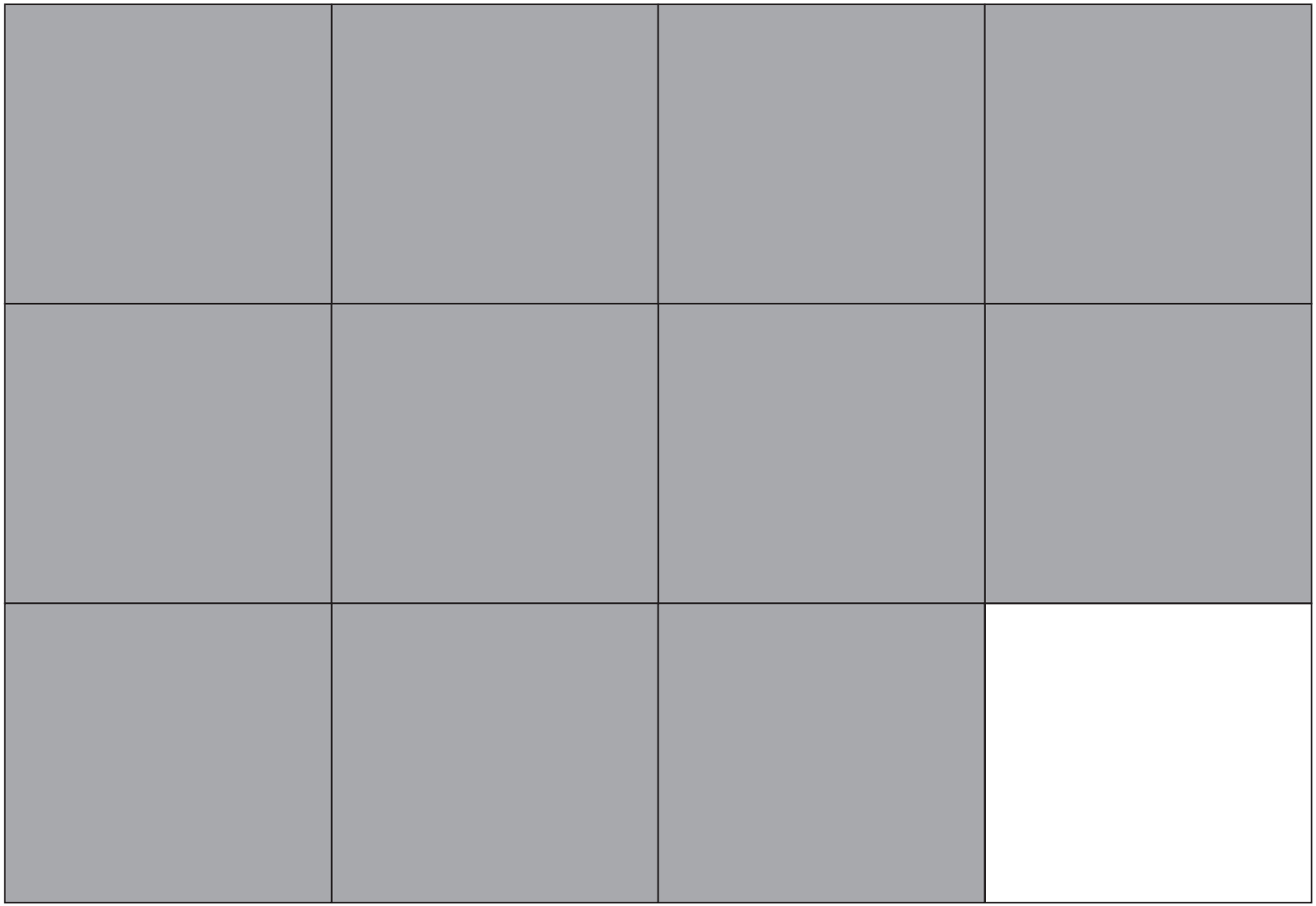
C.



$\frac{5}{6} - \frac{1}{3}$ $\frac{5}{6} - \frac{2}{3}$ $\frac{5}{6} - \frac{1}{2}$

What is ___ – ___? How do you know?
How can you use what we already know to solve the next problem?

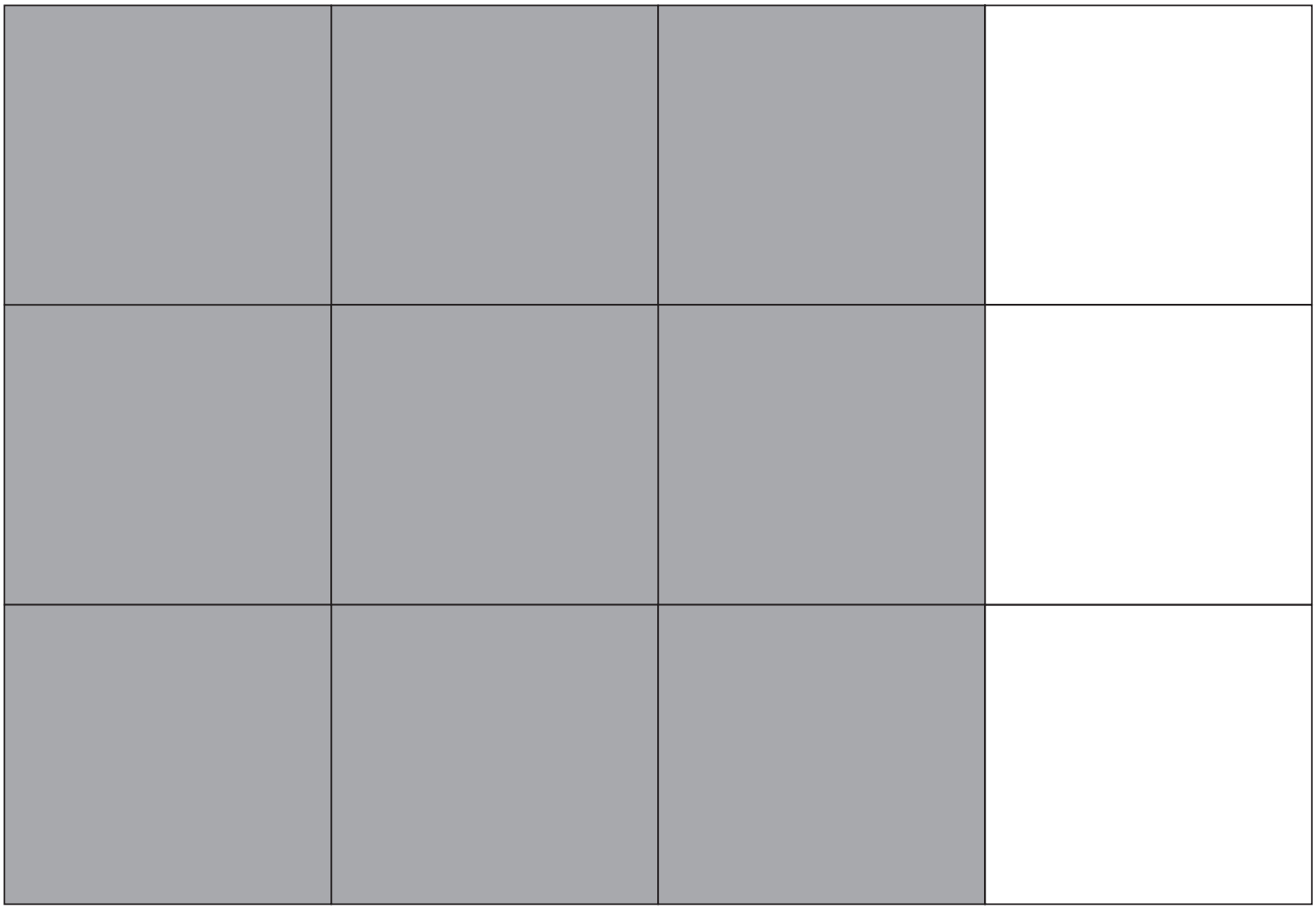
A.



$\frac{11}{12} - \frac{5}{12}$ $\frac{11}{12} - \frac{1}{2}$ $\frac{11}{12} - \frac{1}{4}$

What is ___ – ___? How do you know?
How can you use what we already know to solve the next problem?

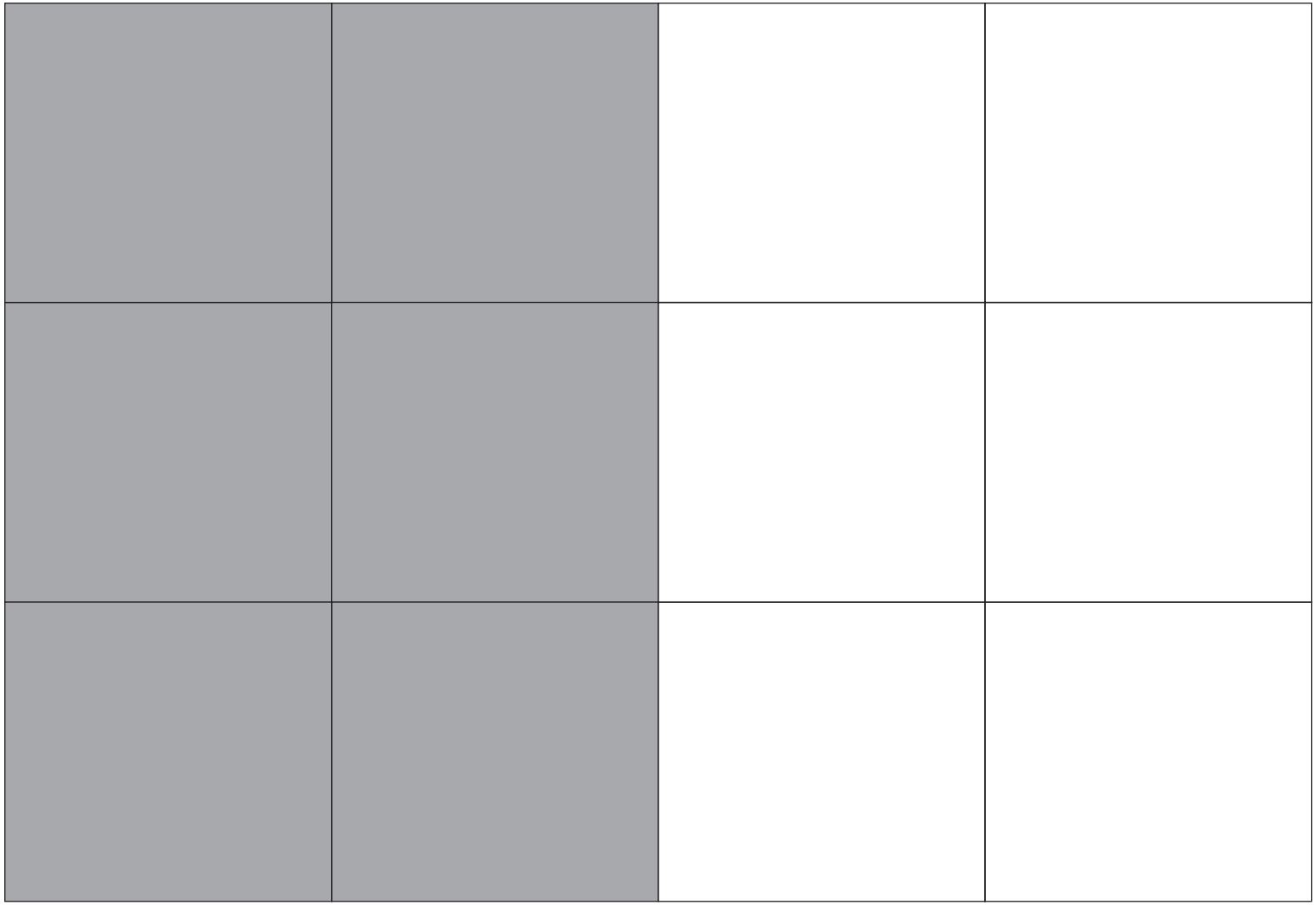
B.



$\frac{3}{4} - \frac{1}{12}$ $\frac{3}{4} - \frac{1}{2}$ $\frac{3}{4} - \frac{1}{4}$

What is ___ – ___? How do you know?
How can you use what we already know to solve the next problem?

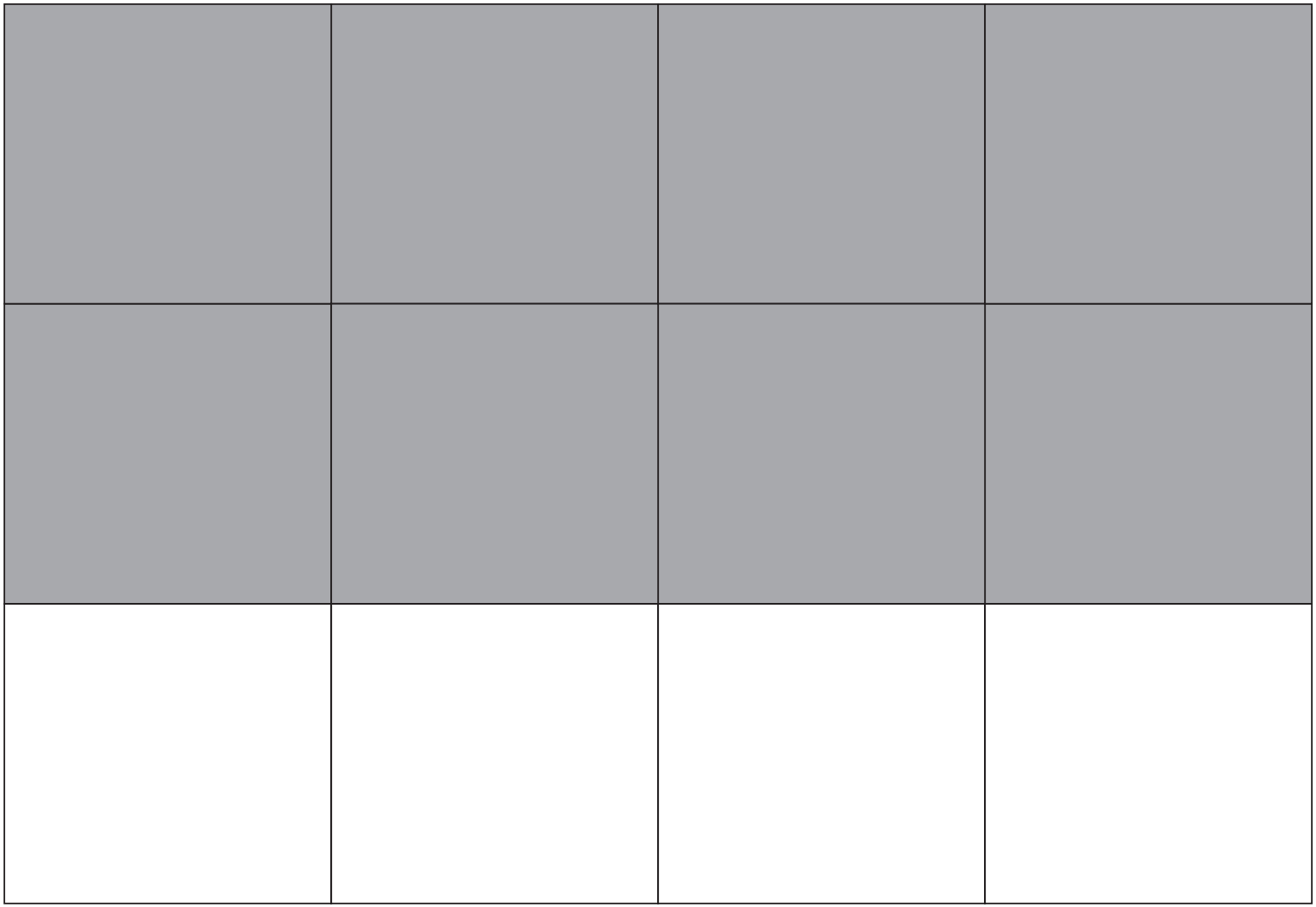
A.



$\frac{1}{2} - \frac{1}{12}$ $\frac{1}{2} - \frac{1}{6}$ $\frac{1}{2} - \frac{1}{3}$

What is ___ – ___? How do you know?
How can you use what we already know to solve the next problem?

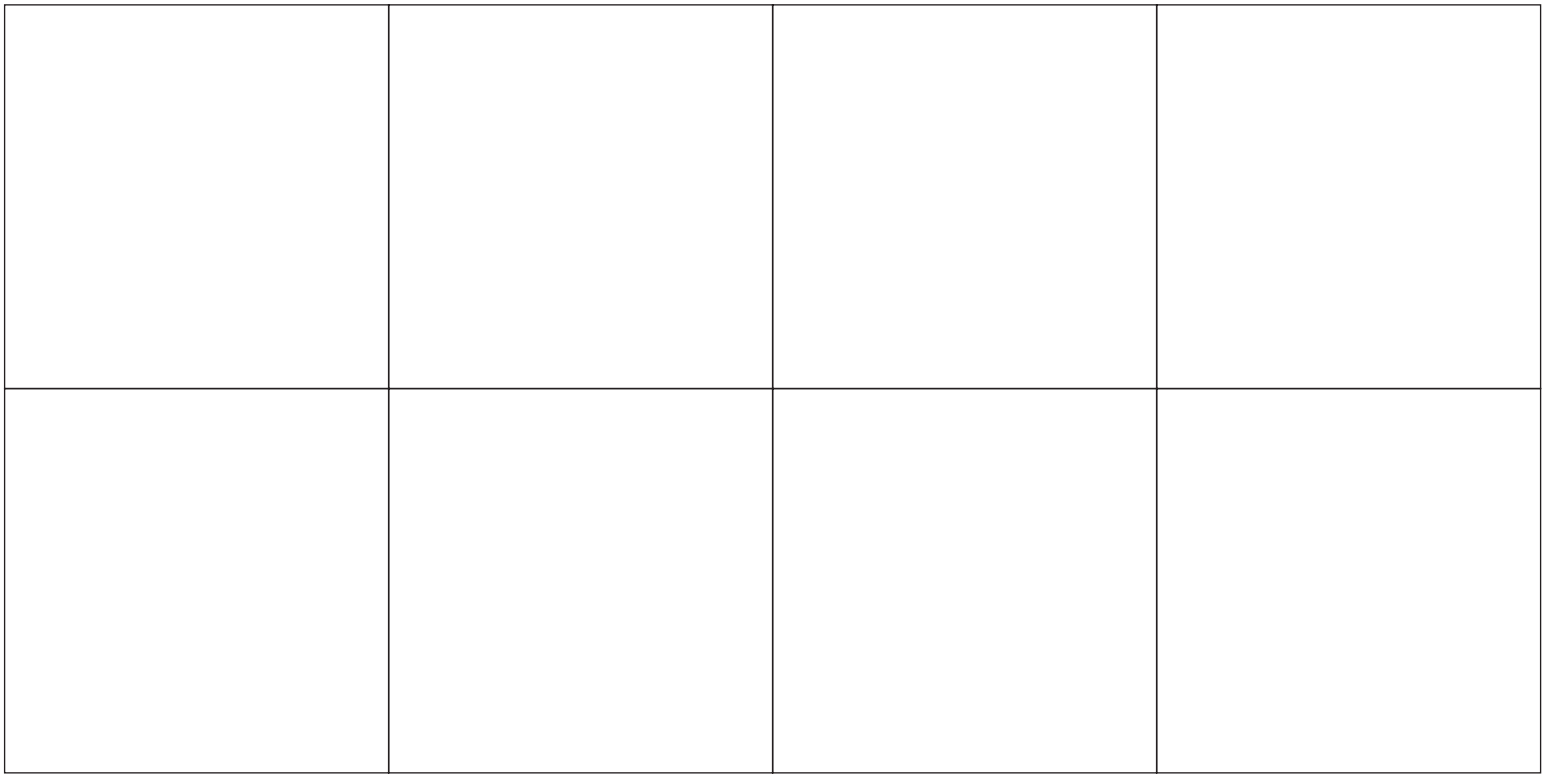
B.



$\frac{2}{3} - \frac{1}{2}$ $\frac{2}{3} - \frac{1}{6}$ $\frac{2}{3} - \frac{1}{4}$

What is___ of ____? How do you know? How can you use what we already know to solve this next problem?

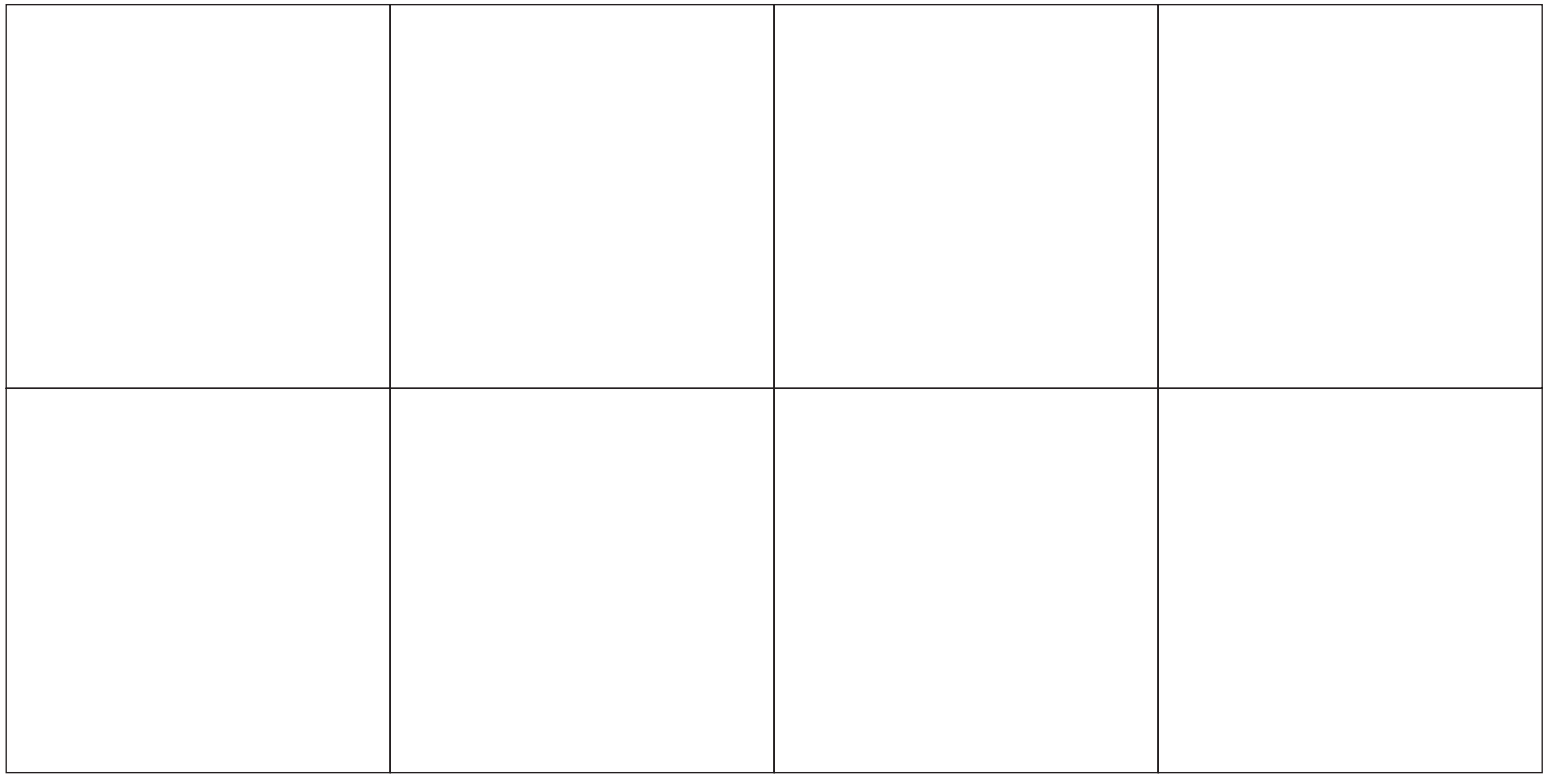
A.



$\frac{1}{2}$ of the whole $\frac{1}{2}$ of $\frac{1}{2}$ $\frac{1}{4}$ of $\frac{1}{2}$

What is___ of ____? How do you know? How can you use what we already know to solve this next problem?

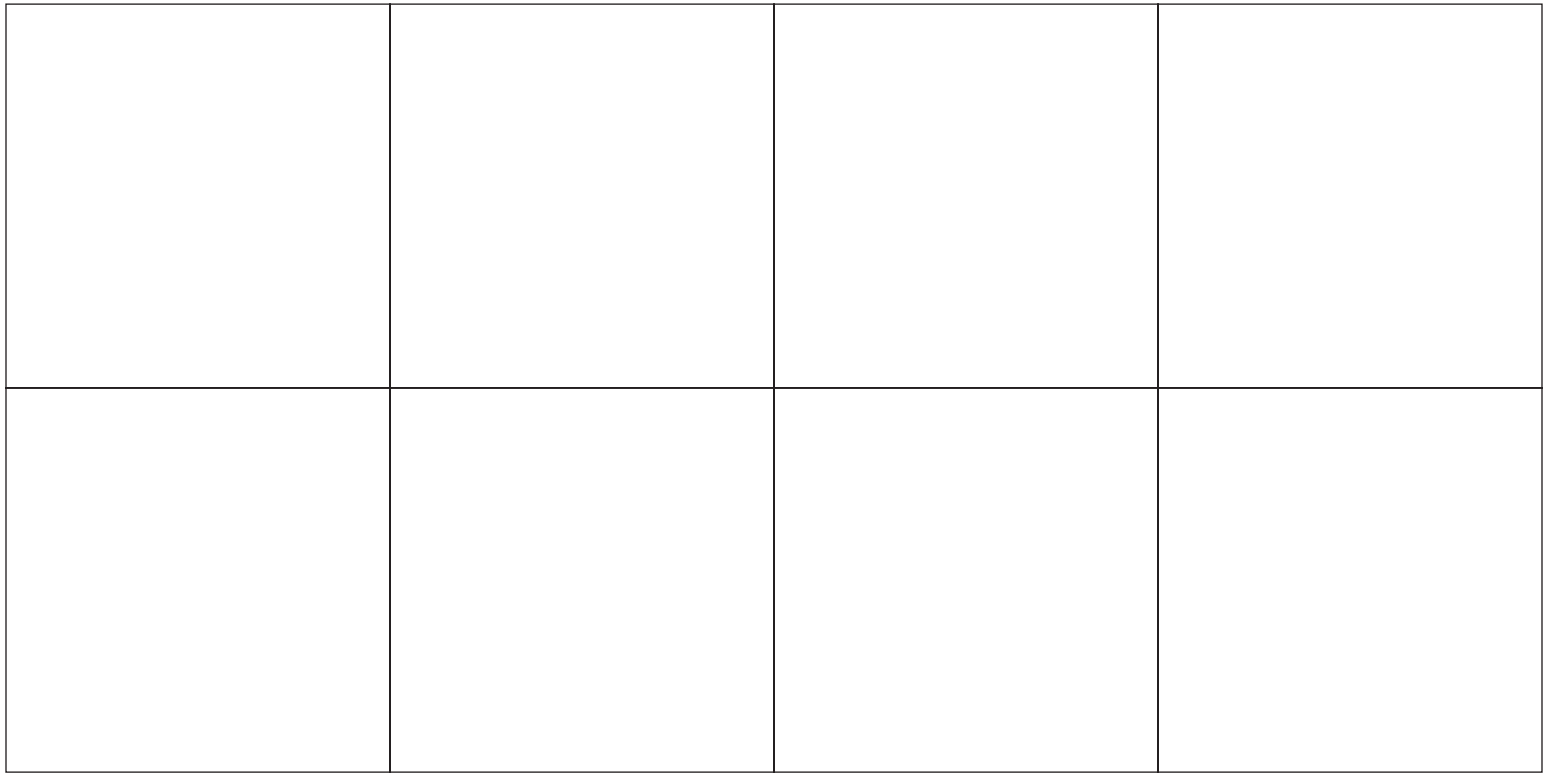
B.



$\frac{1}{2}$ of $\frac{3}{4}$ $\frac{1}{3}$ of $\frac{3}{4}$ $\frac{2}{3}$ of $\frac{3}{4}$

What is___ of ____? How do you know? How can you use what we already know to solve this next problem?

C.



$\frac{1}{4}$ of $\frac{4}{8}$ $\frac{1}{3}$ of $\frac{3}{8}$ $\frac{2}{3}$ of $\frac{3}{8}$

What is___ of ____? How do you know? How can you use what we already know to solve this next problem?

A.

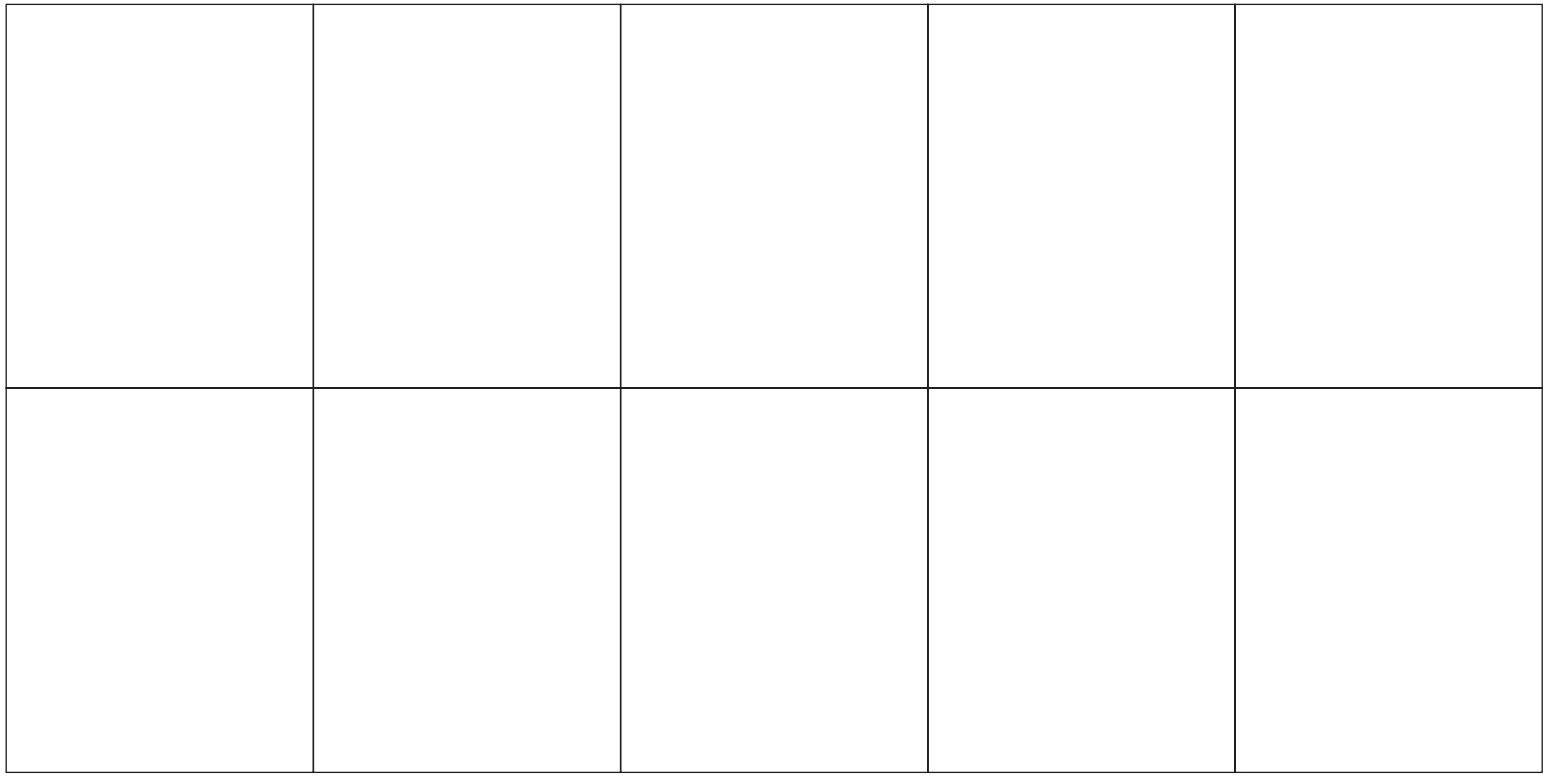
$\frac{1}{3}$ of the whole

$\frac{1}{2}$ of $\frac{1}{3}$

$\frac{1}{2}$ of $\frac{2}{3}$

What is___ of ____? How do you know? How can you use what we already know to solve this next problem?

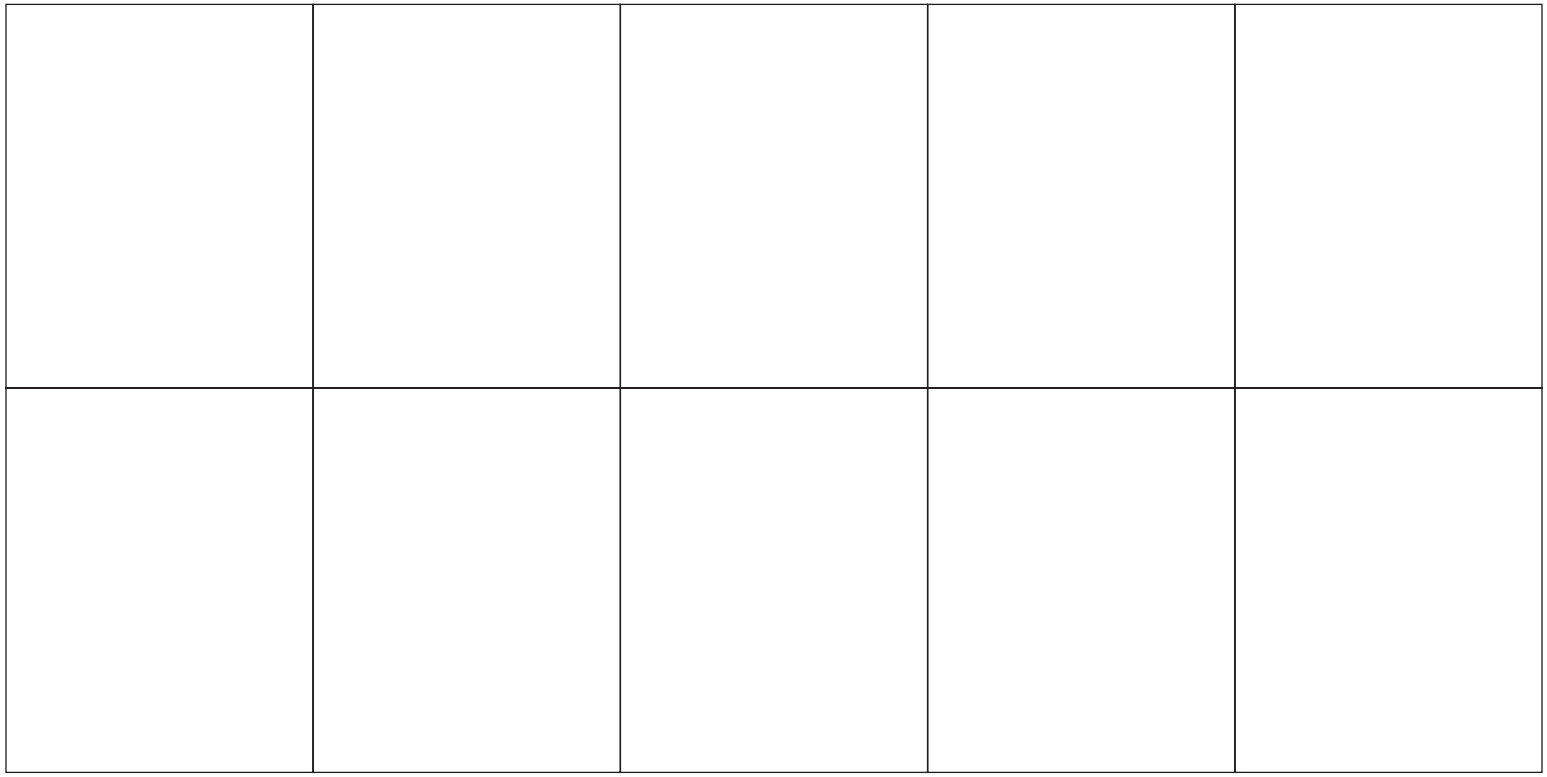
B.



$\frac{1}{5}$ of $\frac{5}{10}$ $\frac{2}{5}$ of $\frac{5}{10}$ $\frac{3}{5}$ of $\frac{5}{10}$

What is___ of ____? How do you know? How can you use what we already know to solve this next problem?

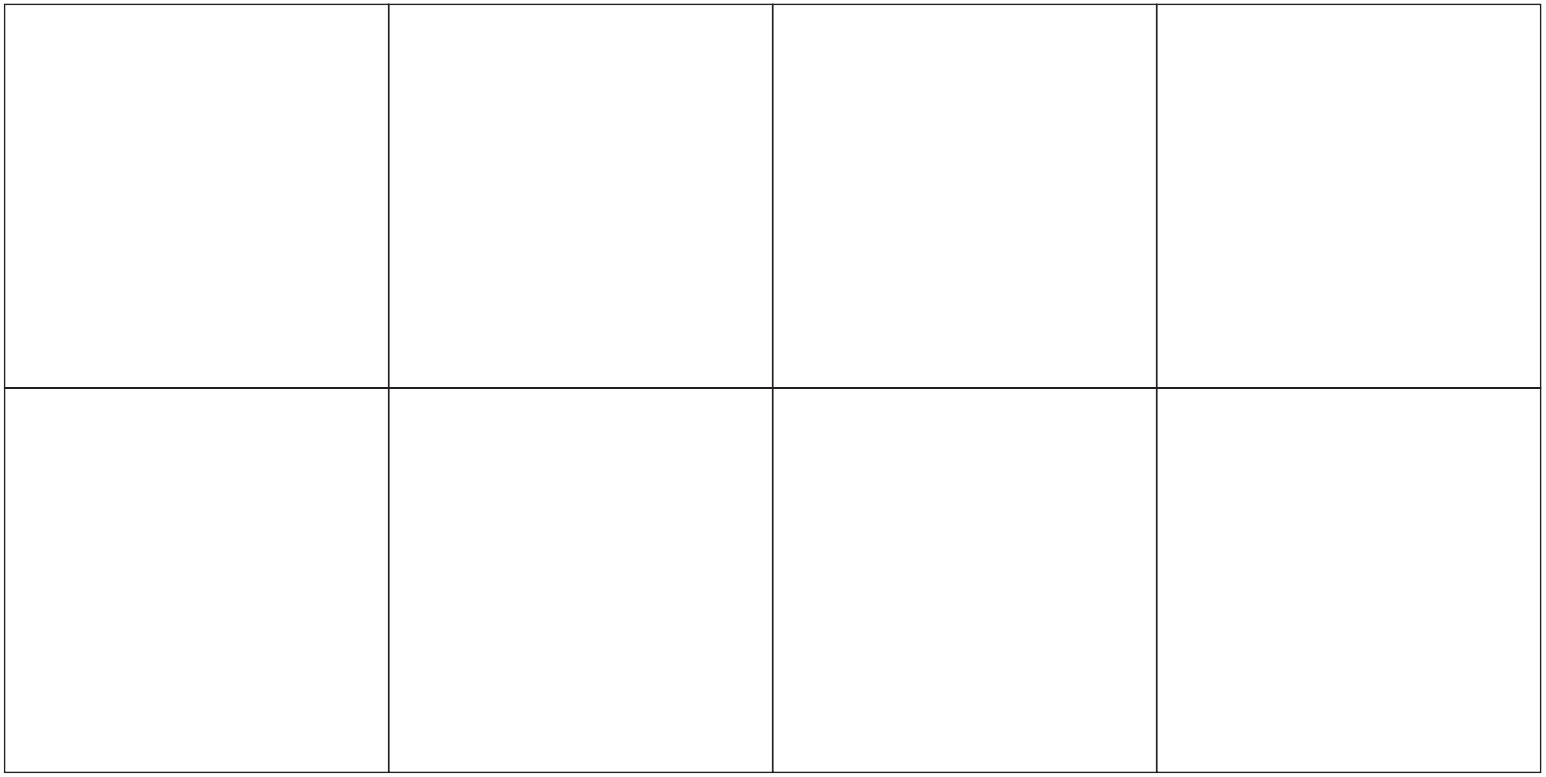
C.



$\frac{1}{3}$ of $\frac{3}{5}$ $\frac{2}{3}$ of $\frac{3}{5}$ $\frac{1}{4}$ of $\frac{4}{5}$

What is___ of ____? How do you know? How can you use what we already know to solve this next problem?

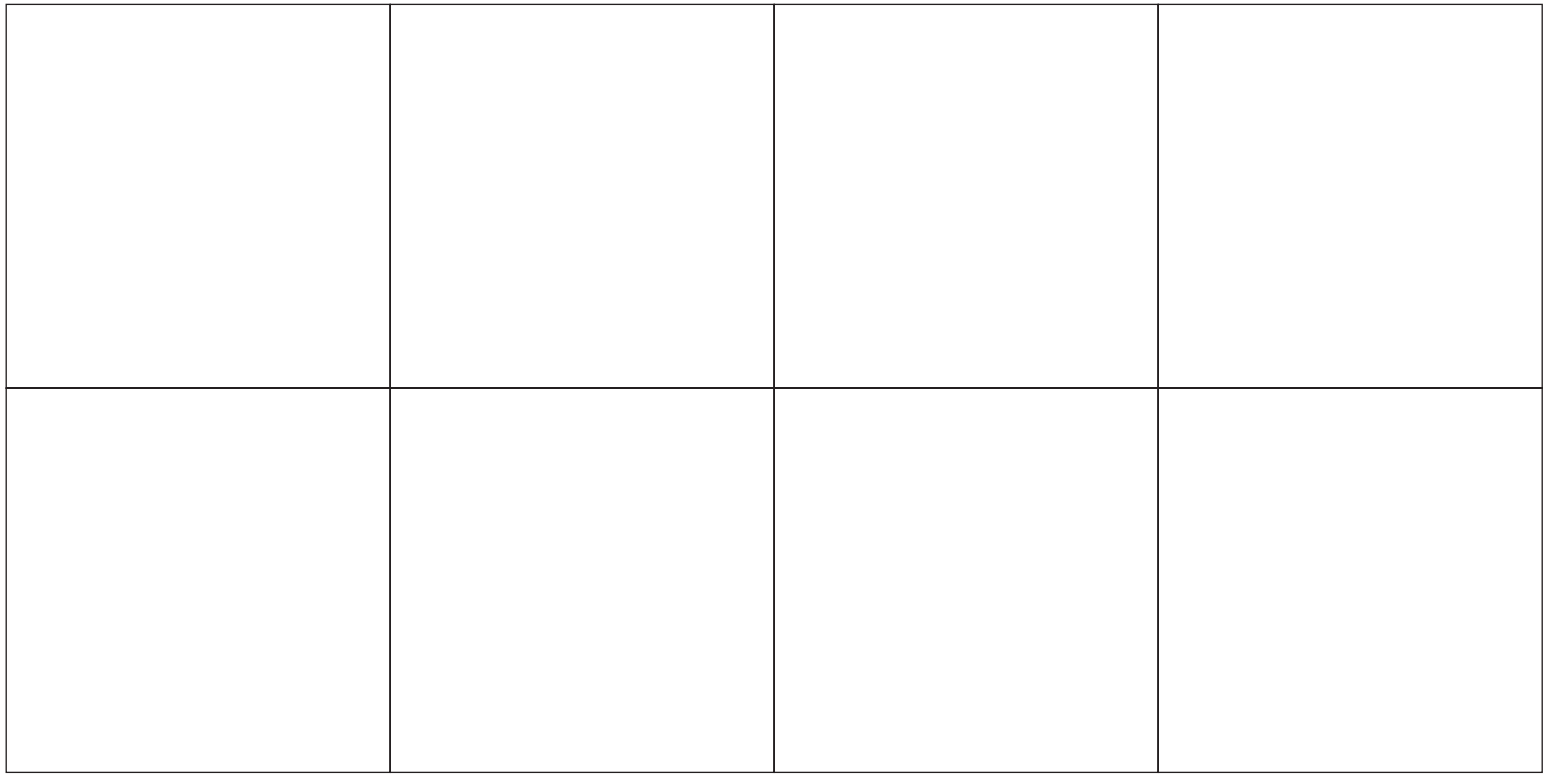
A.



$\frac{1}{4}$ of the whole $\frac{1}{2}$ of $\frac{1}{4}$ $\frac{1}{2}$ of $\frac{3}{4}$

What is___ of ____? How do you know? How can you use what we already know to solve this next problem?

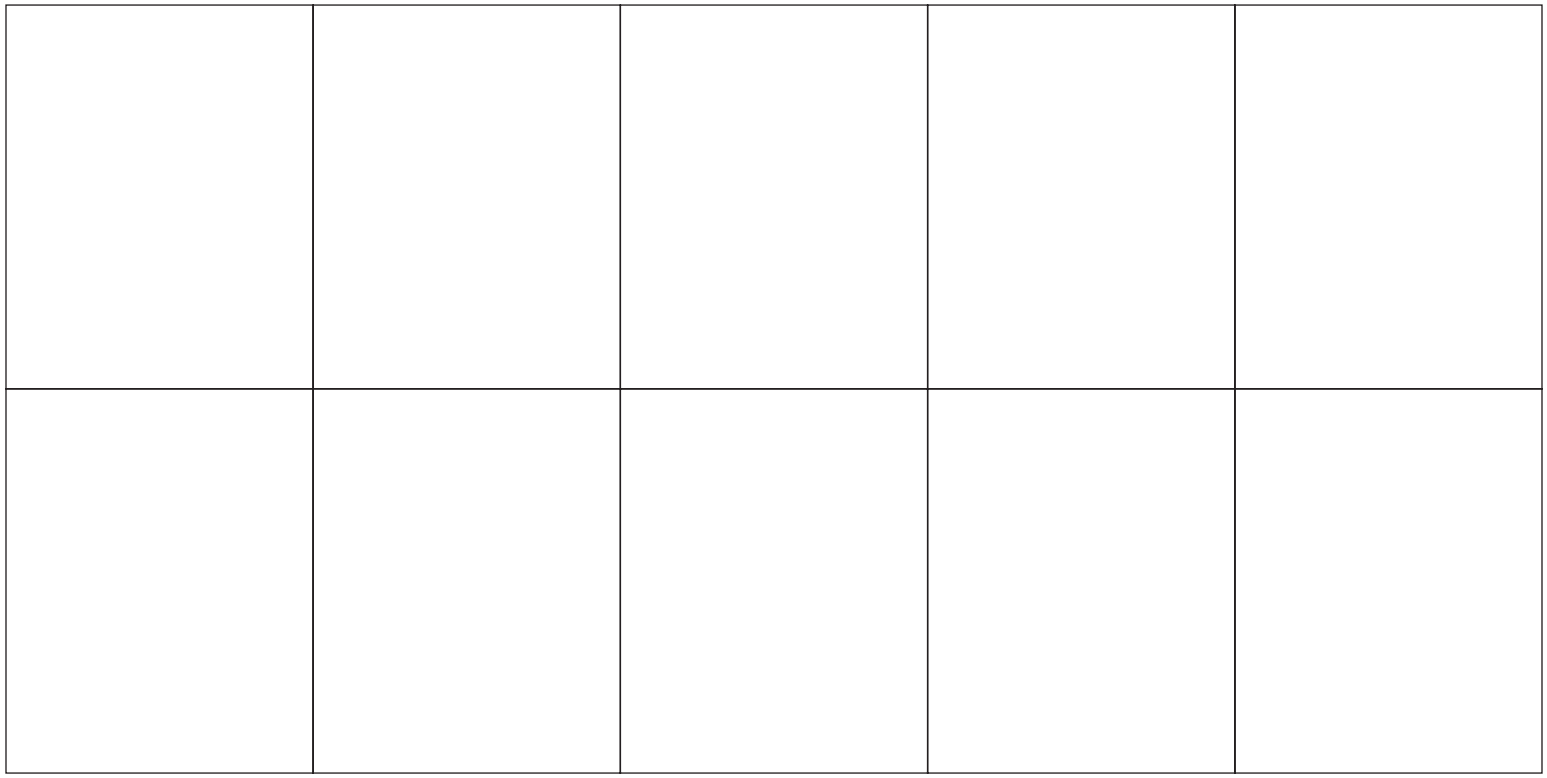
B.



$\frac{1}{2}$ of $\frac{3}{4}$ $\frac{1}{3}$ of $\frac{3}{4}$ $\frac{1}{5}$ of $\frac{5}{8}$

What is___ of ____? How do you know? How can you use what we already know to solve this next problem?

C.



$\frac{1}{4}$ of $\frac{4}{10}$ $\frac{1}{2}$ of $\frac{4}{10}$ $\frac{3}{4}$ of $\frac{4}{10}$

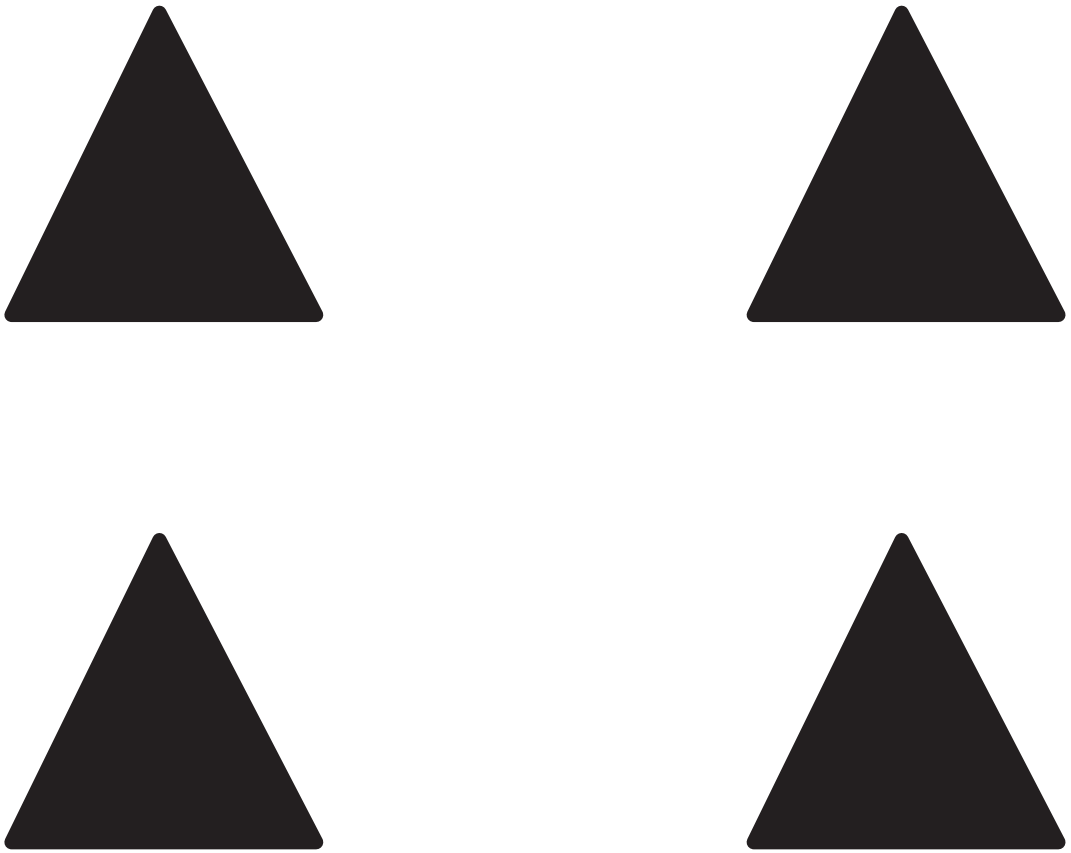
Can you see $\frac{1}{2}$ of the whole? Can you see $\frac{1}{2}$ in a different way? How can you prove your thinking?

A.

$\frac{1}{2}$?

Can you see $\frac{1}{2}$ of the whole? Can you see $\frac{1}{2}$ in a different way? How can you prove your thinking?

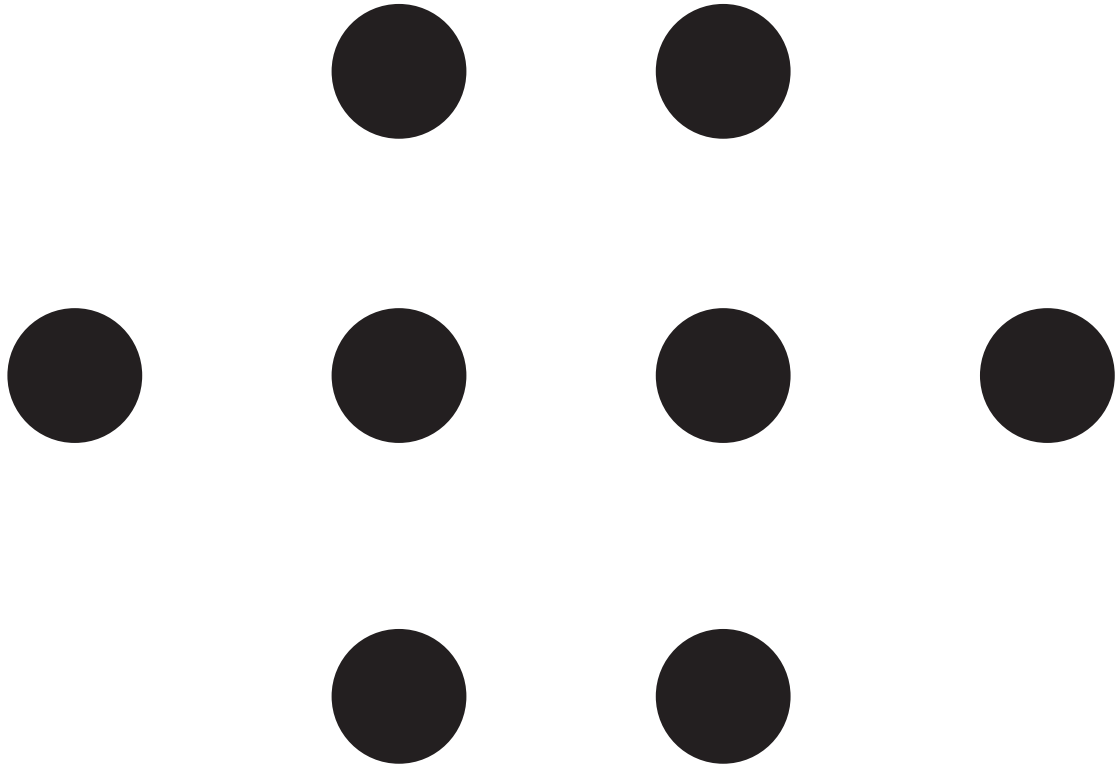
B.



$\frac{1}{2}$? $\frac{2}{4}$?

Can you see $\frac{1}{2}$ of the whole? Can you see $\frac{1}{2}$ in a different way? How can you prove your thinking?

C.



$\frac{1}{2}$? $\frac{4}{8}$?

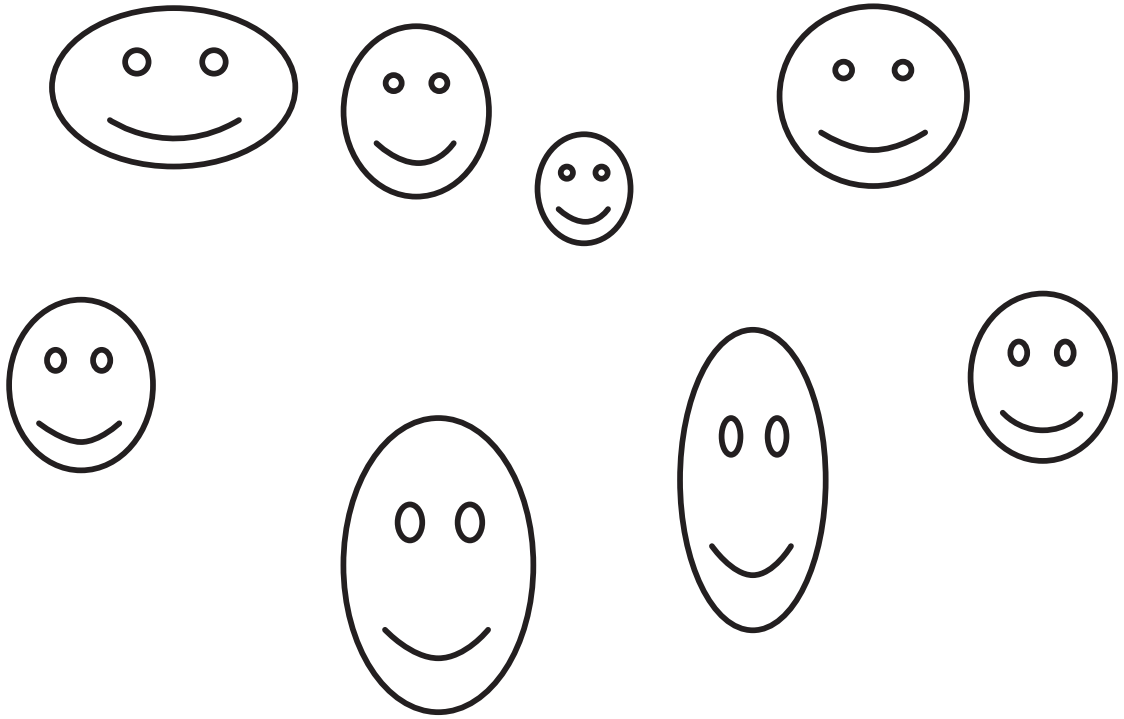
Can you see $\frac{1}{2}$ of the whole? Can you see $\frac{1}{2}$ in a different way? How can you prove your thinking?

D.

$\frac{1}{2}$? $\frac{8}{16}$?

Can you see $\frac{1}{2}$ of the whole? Can you see $\frac{1}{2}$ in a different way? How can you prove your thinking?

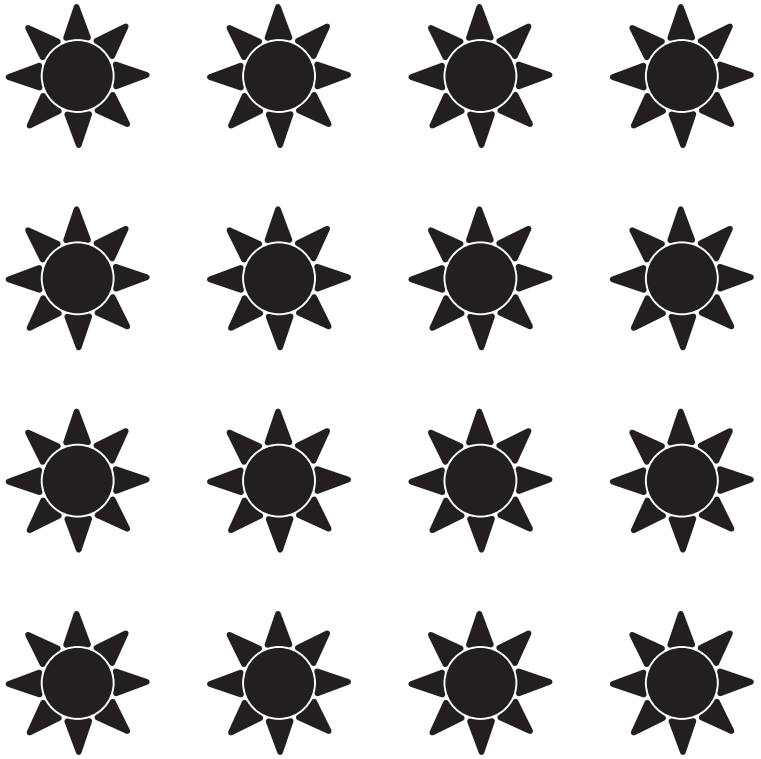
E.



$\frac{1}{2}$? $\frac{4}{8}$?

Can you see $\frac{1}{2}$ of the whole? Can you see $\frac{1}{2}$ in a different way? How can you prove your thinking?

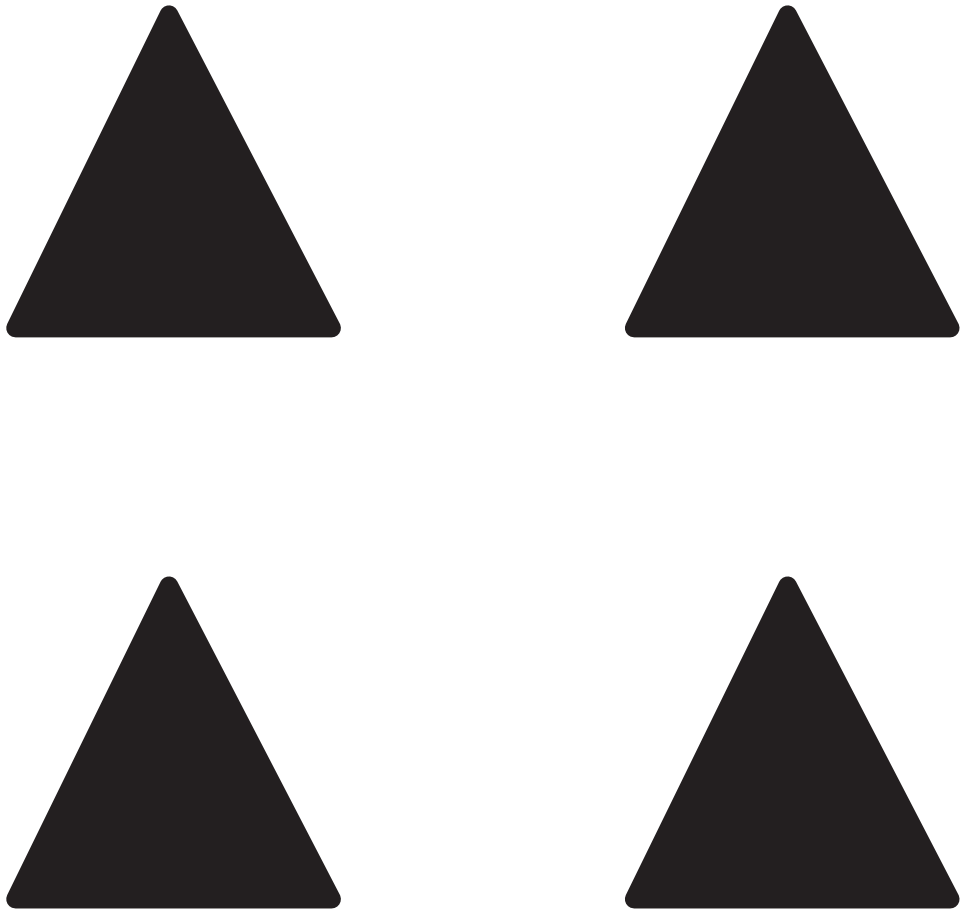
F.



$\frac{1}{2}$? $\frac{8}{16}$?

Can you see $\frac{1}{4}$ of the whole? Can you see $\frac{1}{4}$ in a different way? How can you prove your thinking?

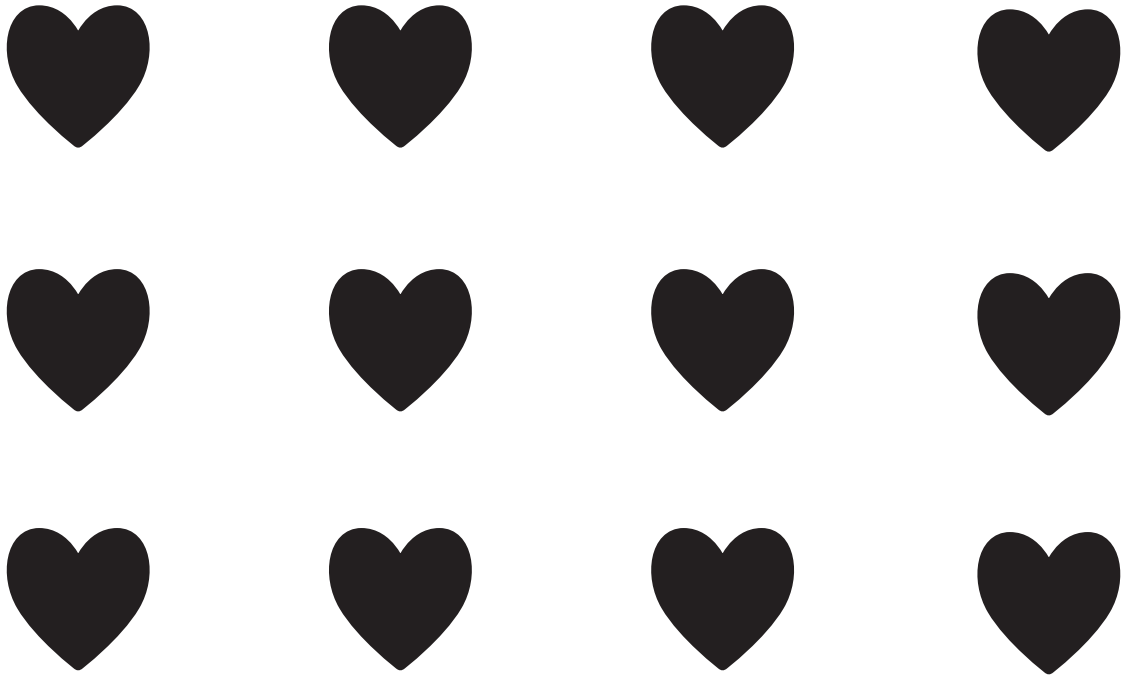
A.



$\frac{1}{4}$?

Can you see $\frac{1}{4}$ of the whole? Can you see $\frac{1}{4}$ in a different way? How can you prove your thinking?

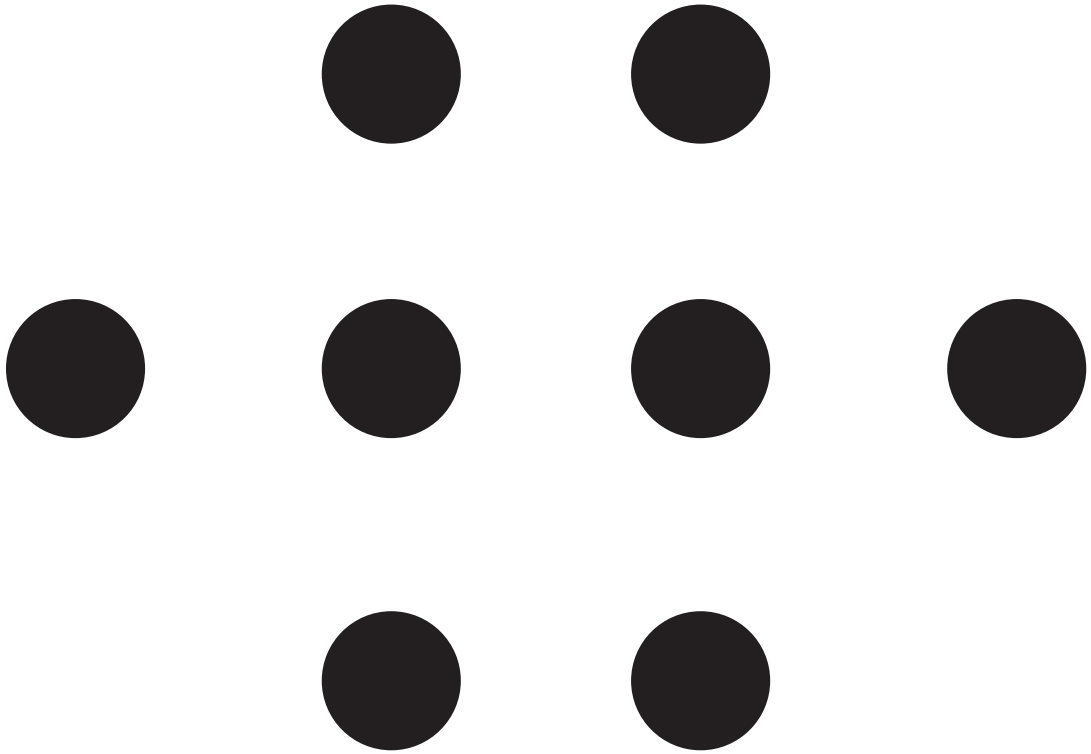
B.



$\frac{1}{4}$? $\frac{3}{12}$?

Can you see $\frac{1}{4}$ of the whole? Can you see $\frac{1}{4}$ in a different way? How can you prove your thinking?

C.



$\frac{1}{4}$? $\frac{2}{8}$?

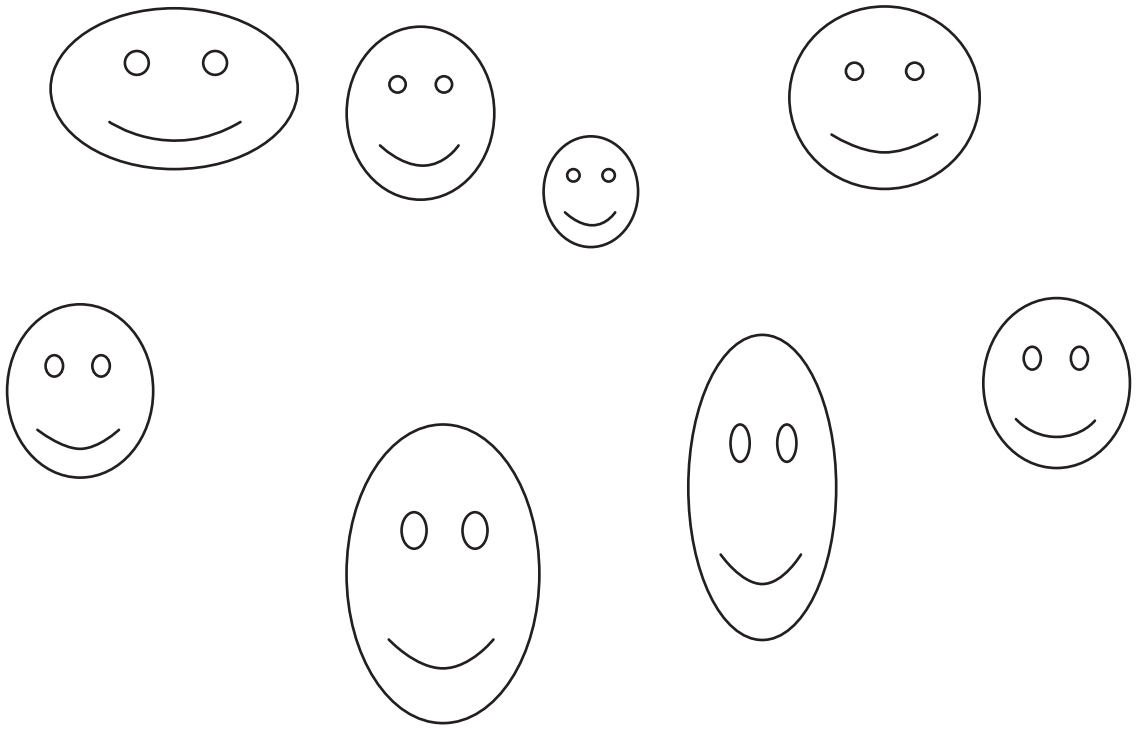
Can you see $\frac{1}{4}$ of the whole? Can you see $\frac{1}{4}$ in a different way? How can you prove your thinking?

D.

$\frac{1}{4}$? $\frac{6}{8}$?

Can you see $\frac{1}{4}$ of the whole? Can you see $\frac{1}{4}$ in a different way? How can you prove your thinking?

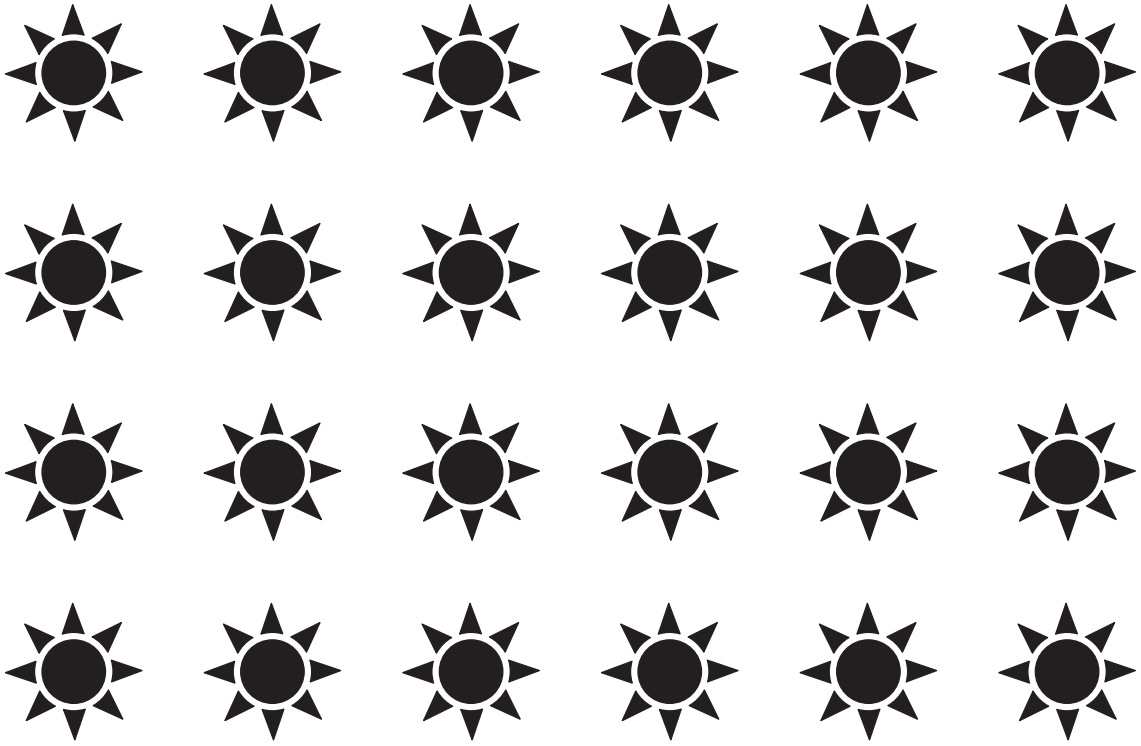
E.



$\frac{1}{4}$? $\frac{2}{8}$?

Can you see $\frac{1}{4}$ of the whole? Can you see $\frac{1}{4}$ in a different way? How can you prove your thinking?

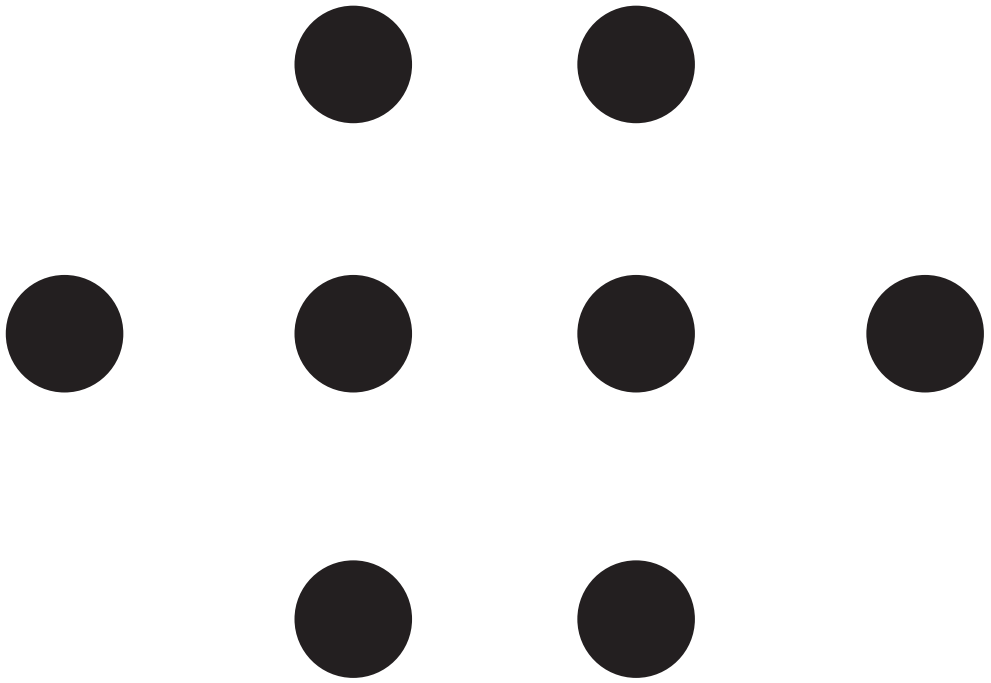
F.



$\frac{1}{4}$? $\frac{6}{24}$?

Can you see $\frac{1}{8}$ of the whole? Can you see $\frac{1}{8}$ in a different way? How can you prove your thinking?

A.



$\frac{1}{8}$?

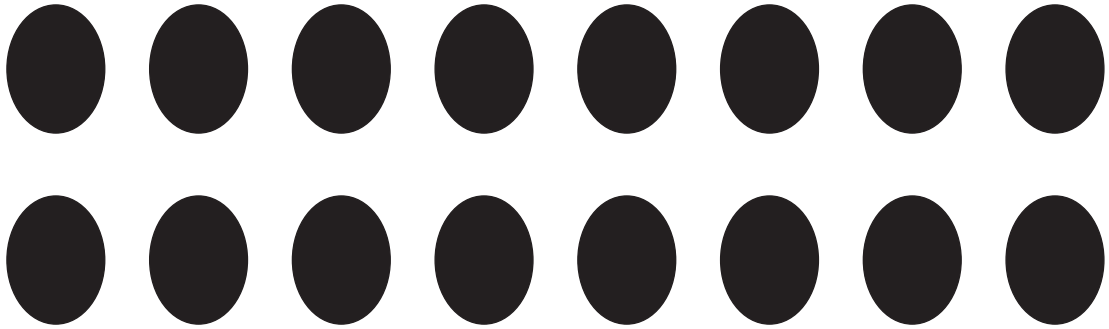
Can you see $\frac{1}{8}$ of the whole? Can you see $\frac{1}{8}$ in a different way? How can you prove your thinking?

B.

$\frac{1}{8}$? $\frac{2}{16}$?

Can you see $\frac{1}{8}$ of the whole? Can you see $\frac{1}{8}$ in a different way? How can you prove your thinking?

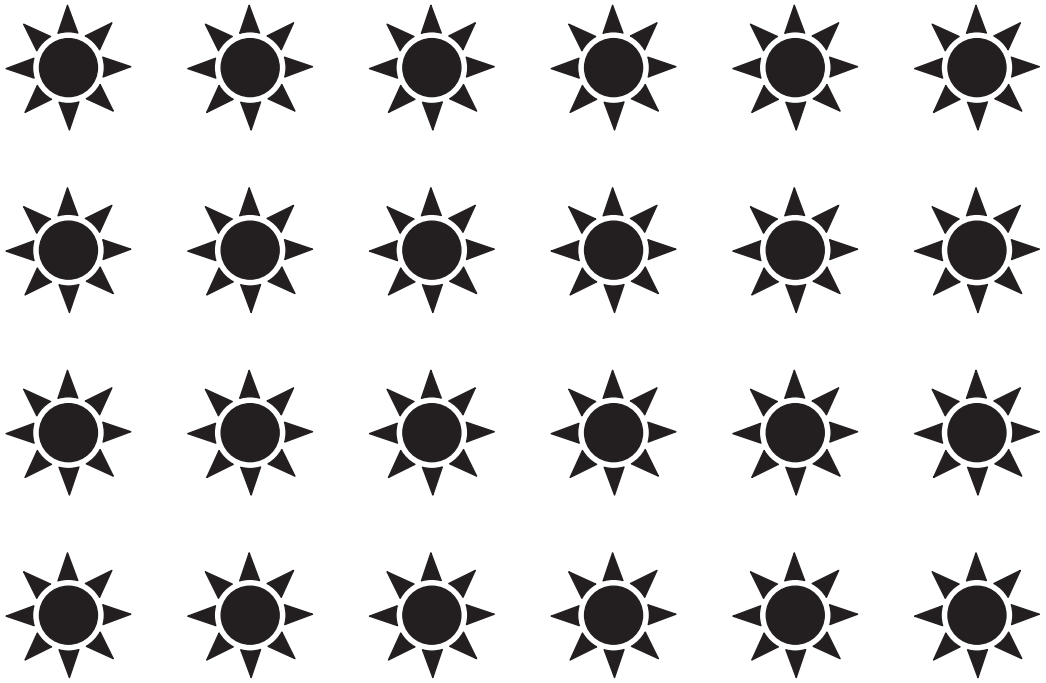
C.



$\frac{1}{8}$? $\frac{2}{16}$?

Can you see $\frac{1}{8}$ of the whole? Can you see $\frac{1}{8}$ in a different way? How can you prove your thinking?

D.



$\frac{1}{8}$? $\frac{3}{24}$?

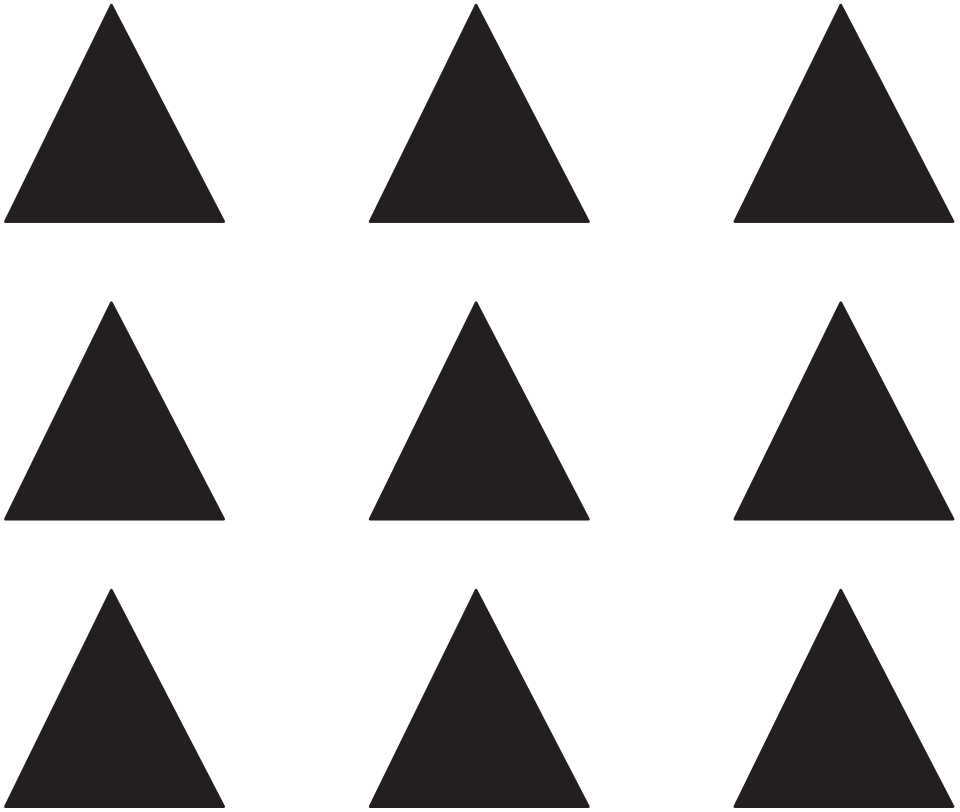
Can you see $\frac{1}{3}$ of the whole? Can you see $\frac{1}{3}$ in a different way? How can you prove your thinking?

A.

$\frac{1}{3}$?

Can you see $\frac{1}{3}$ of the whole? Can you see $\frac{1}{3}$ in a different way? How can you prove your thinking?

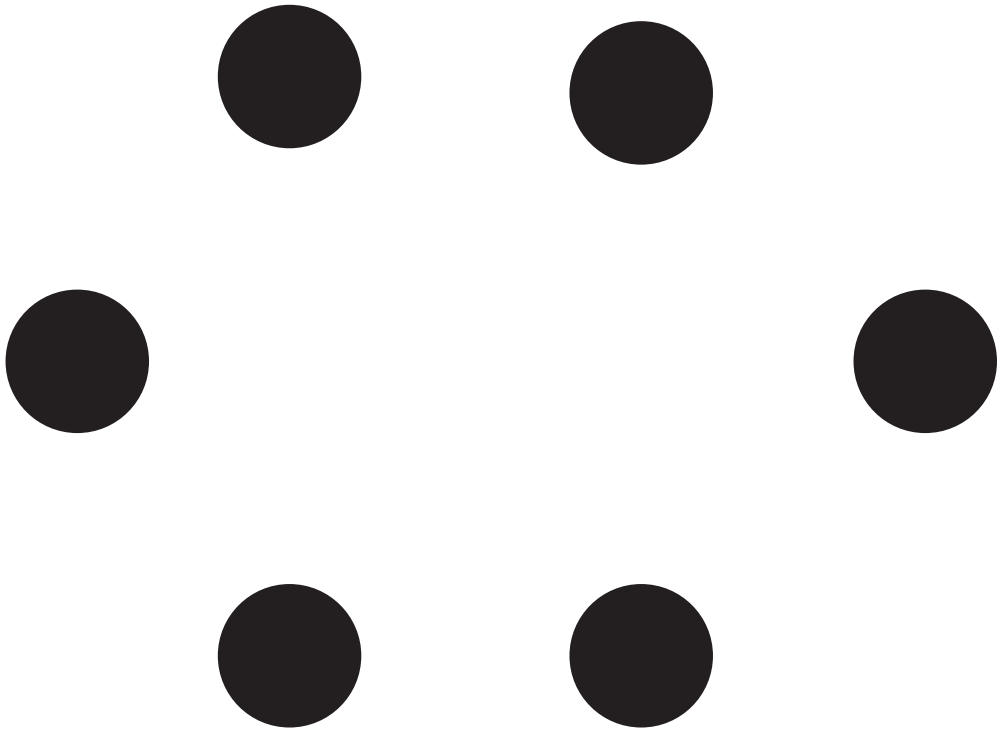
B.



$\frac{1}{3}$? $\frac{3}{9}$?

Can you see $\frac{1}{3}$ of the whole? Can you see $\frac{1}{3}$ in a different way? How can you prove your thinking?

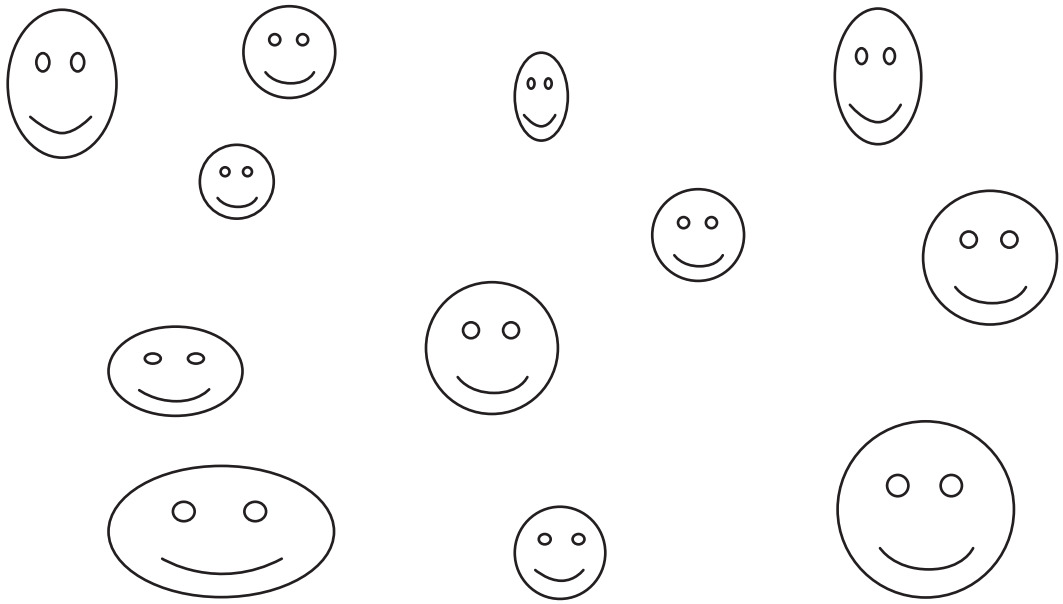
C.



$\frac{1}{3}$? $\frac{2}{6}$?

Can you see $\frac{1}{3}$ of the whole? Can you see $\frac{1}{3}$ in a different way? How can you prove your thinking?

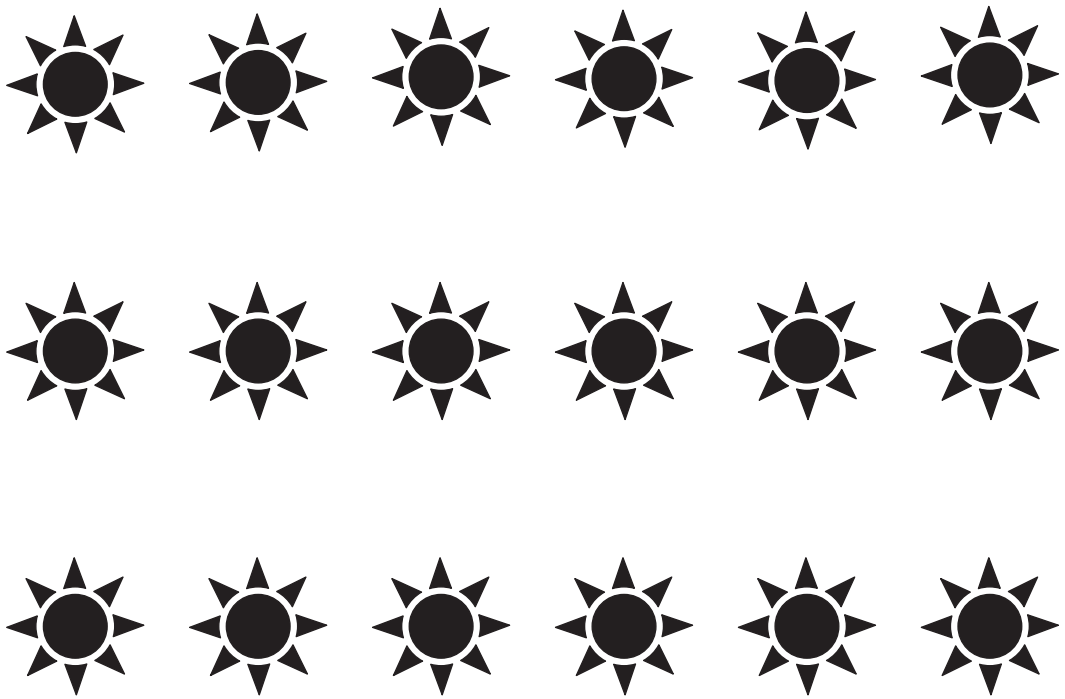
D.



$\frac{1}{3}$? $\frac{4}{12}$?

Can you see $\frac{1}{3}$ of the whole? Can you see $\frac{1}{3}$ in a different way? How can you prove your thinking?

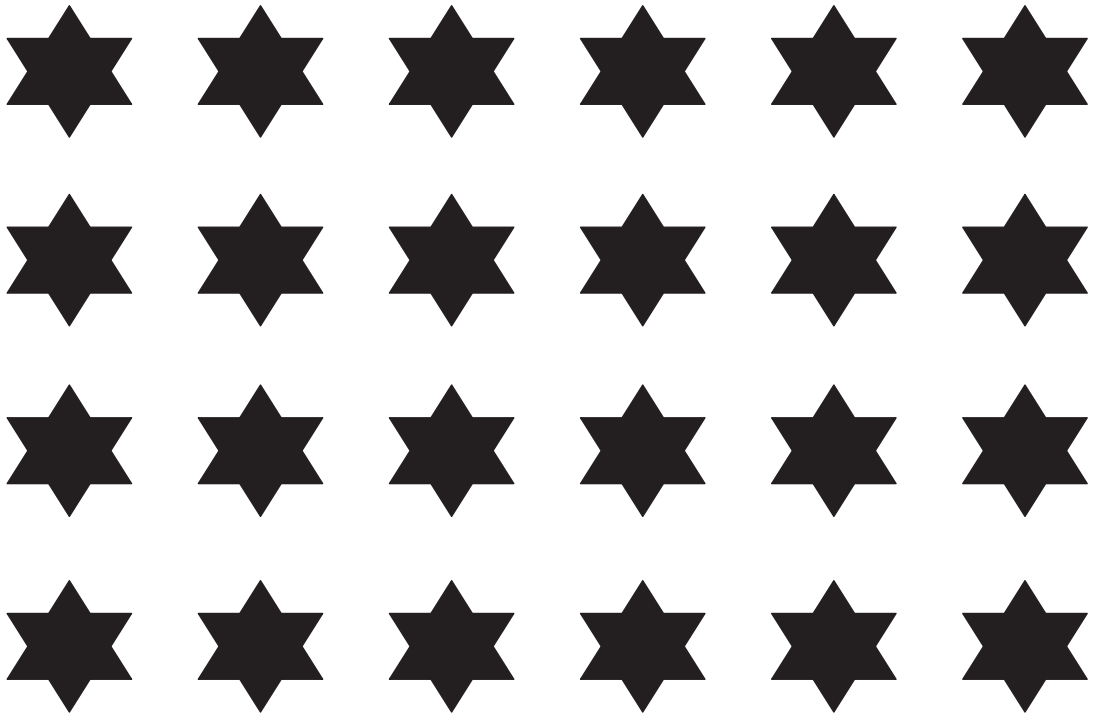
E.



$\frac{1}{3}$? $\frac{6}{18}$?

Can you see $\frac{1}{3}$ of the whole? Can you see $\frac{1}{3}$ in a different way? How can you prove your thinking?

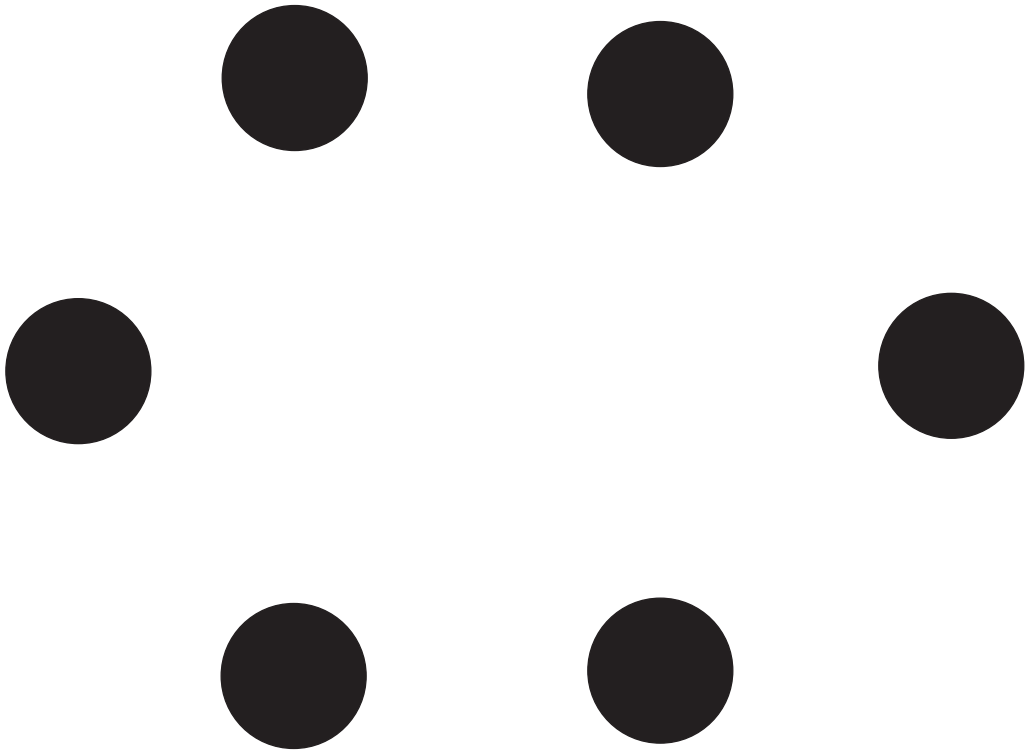
F.



$\frac{1}{3}$? $\frac{8}{24}$?

Can you see $\frac{1}{6}$ of the whole? Can you see $\frac{1}{6}$ in a different way? How can you prove your thinking?

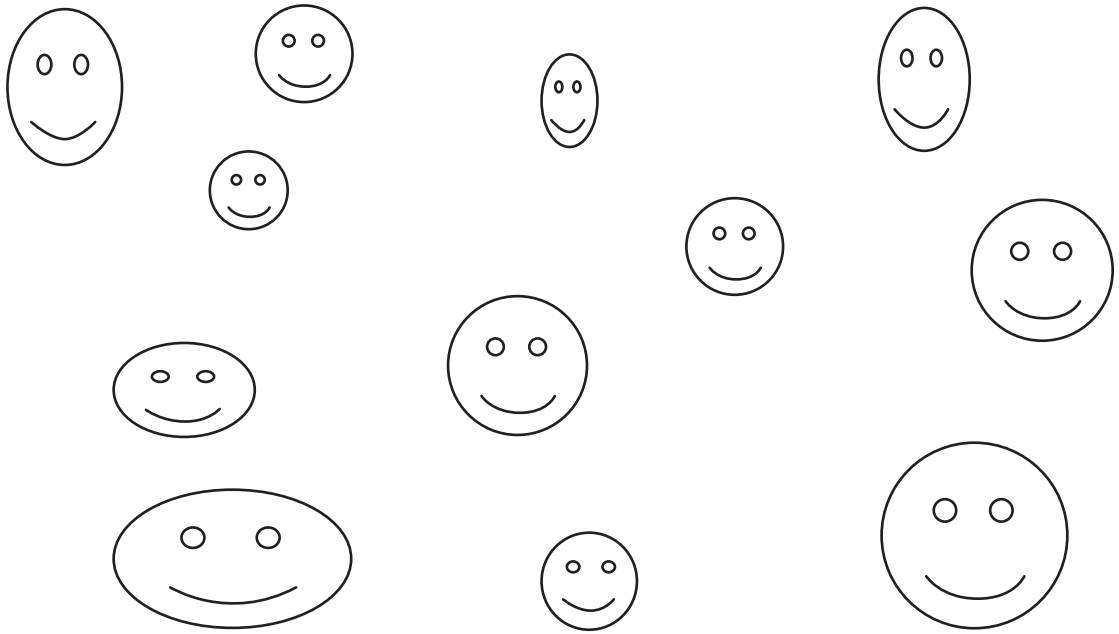
A.



$\frac{1}{6}$?

Can you see $\frac{1}{6}$ of the whole? Can you see $\frac{1}{6}$ in a different way? How can you prove your thinking?

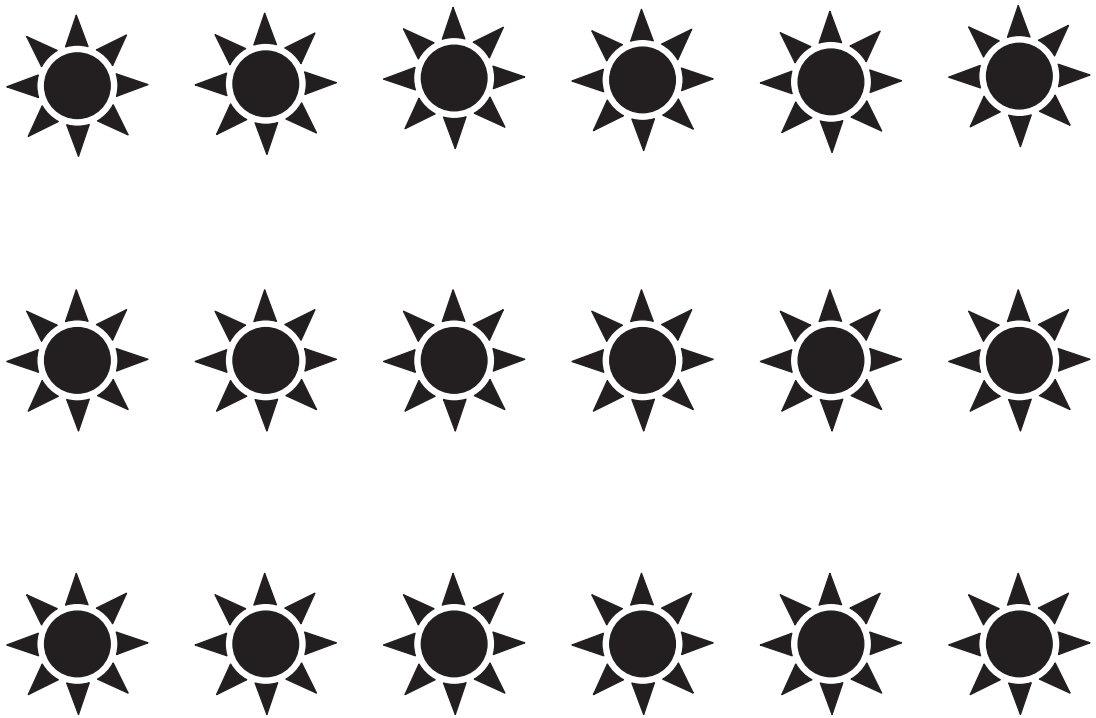
B.



$\frac{1}{6}$? $\frac{2}{12}$?

Can you see $\frac{1}{6}$ of the whole? Can you see $\frac{1}{6}$ in a different way? How can you prove your thinking?

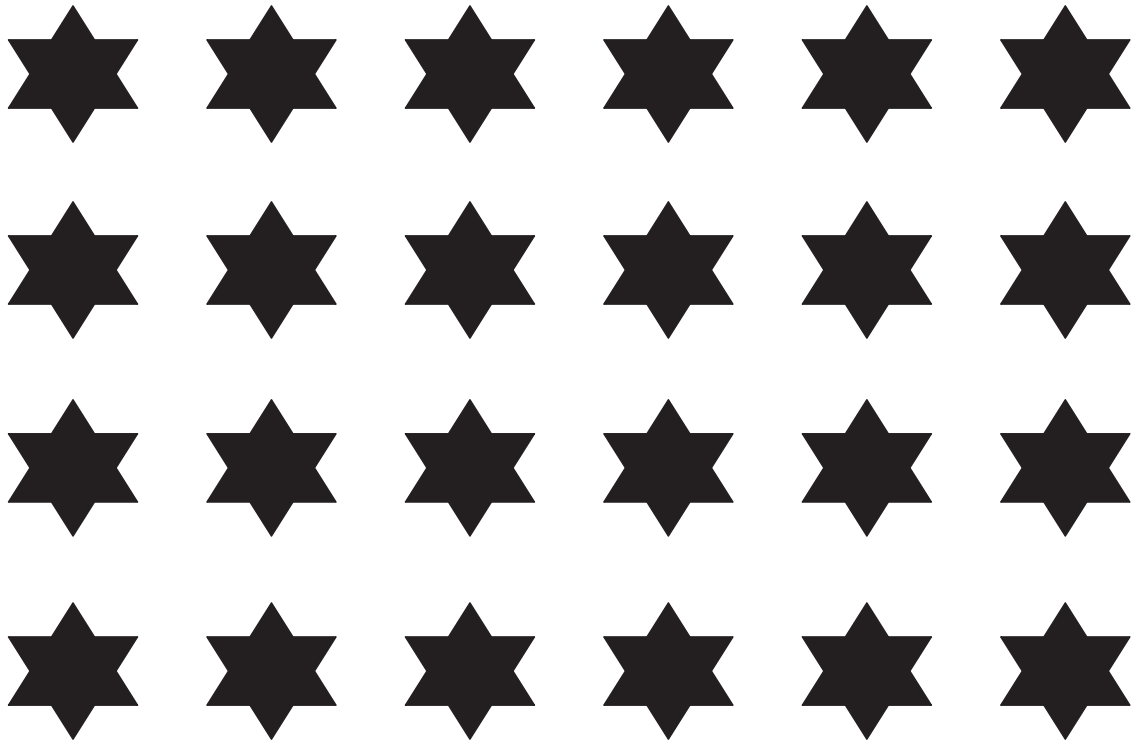
C.



$\frac{1}{6}$? $\frac{3}{18}$?

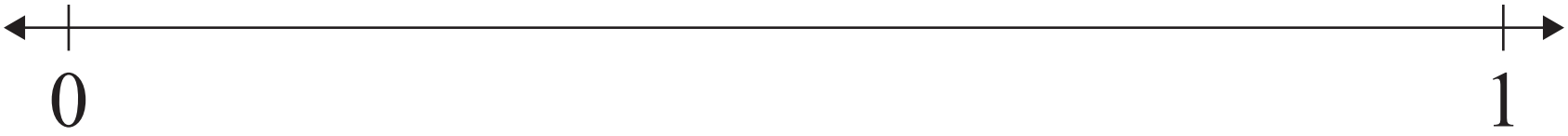
Can you see $\frac{1}{6}$ of the whole? Can you see $\frac{1}{6}$ in a different way? How can you prove your thinking?

D.

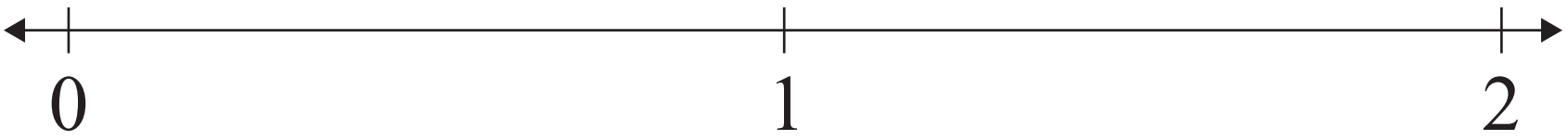


$\frac{1}{6}$? $\frac{4}{24}$?

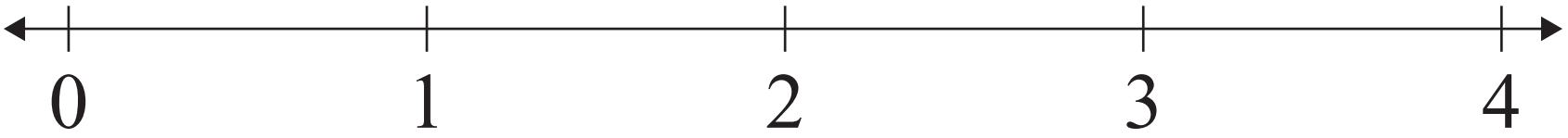
0 to 1 Number line



0 to 2 Number Line

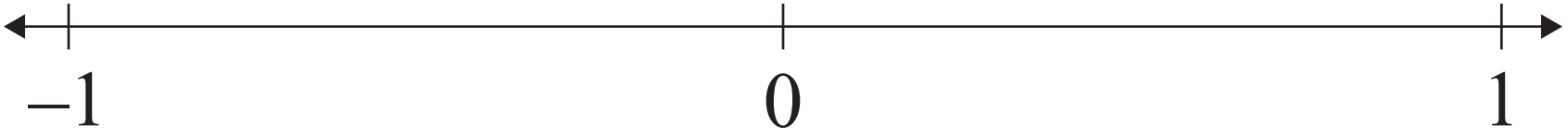


0 to 4 Number Line

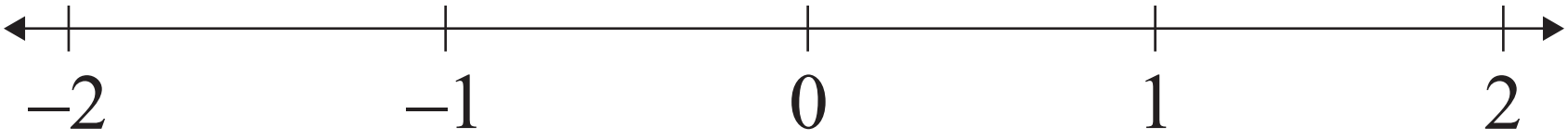


1 to 2 Number Line

–1 to 1 Number Line



–2 to 2 Number Line

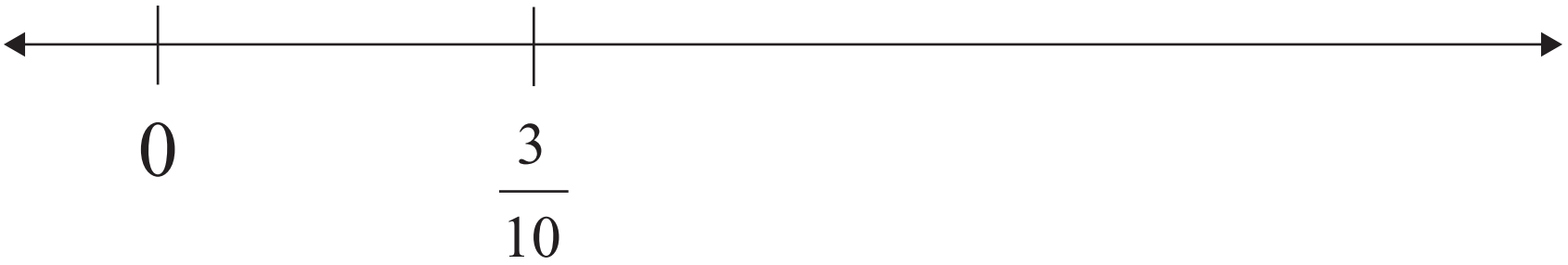


Where should $\frac{5}{8}$ be placed? How do you know?

Where should $\frac{5}{6}$ be placed? How do you know?

Where should $\frac{3}{8}$ be placed? How do you know?

Where should $\frac{4}{5}$ be placed? How do you know?



Where should $\frac{5}{16}$ be placed? How do you know?

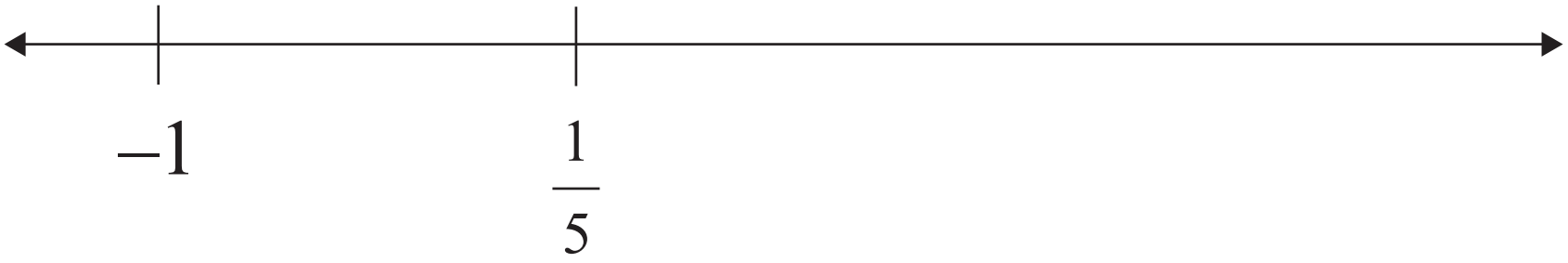
Where should $\frac{3}{4}$ be placed? How do you know?

Where should $\frac{3}{8}$ be placed? How do you know?

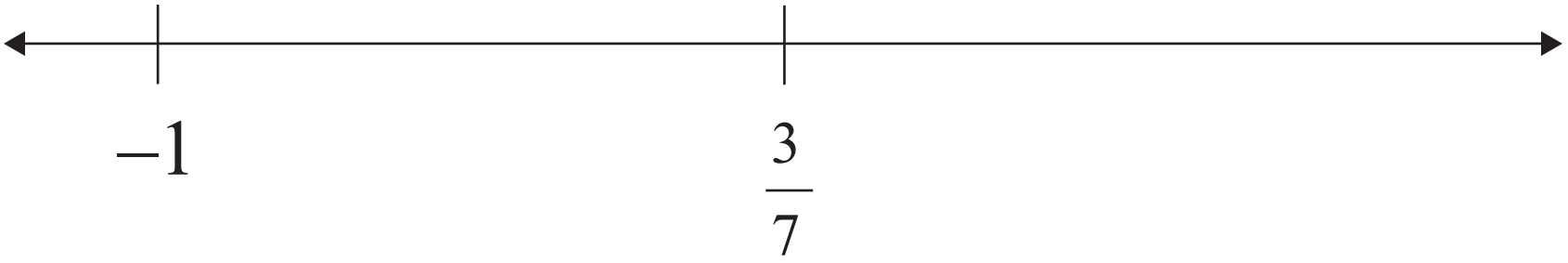
Where should $\frac{5}{9}$ be placed? How do you know?

Where should $\frac{3}{4}$ be placed? How do you know?

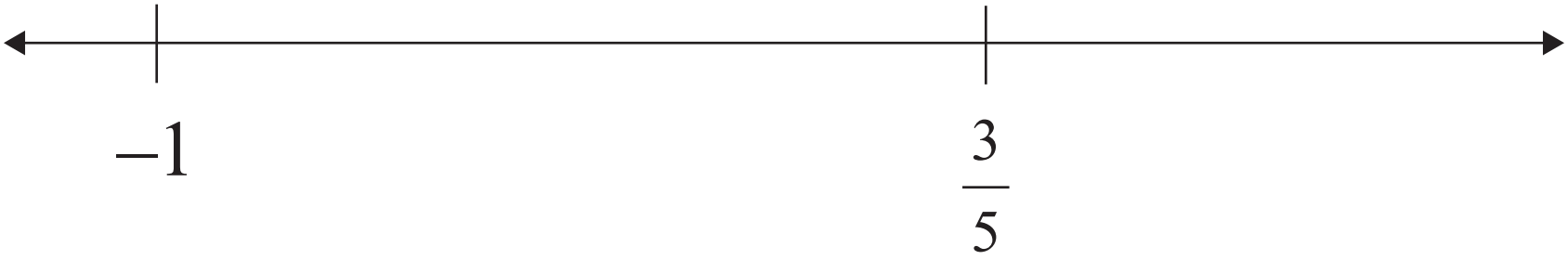
Where should $\frac{2}{3}$ be placed? How do you know?



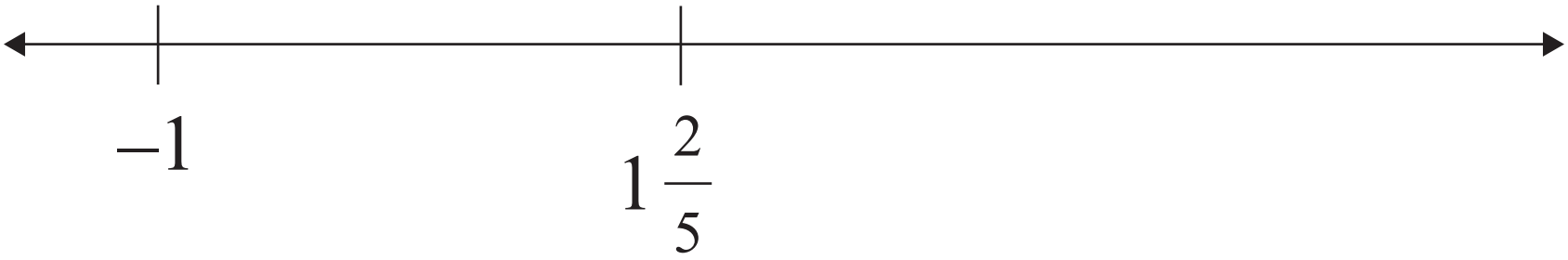
Where should $\frac{4}{5}$ be placed? How do you know?



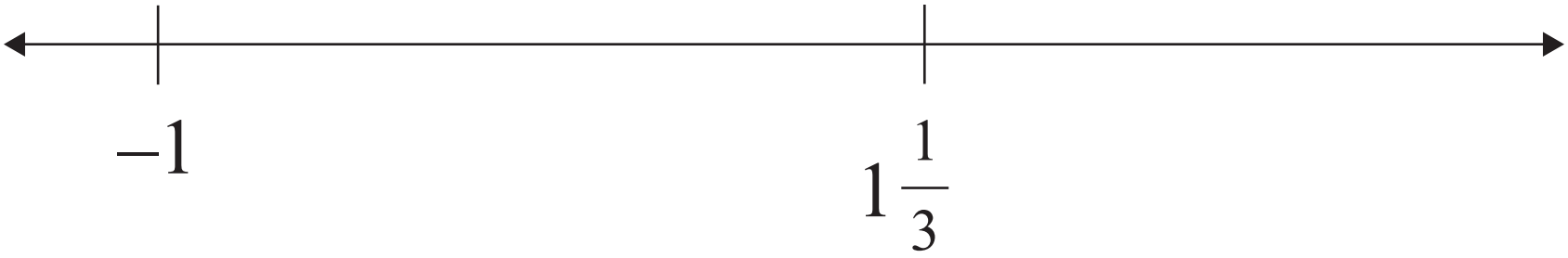
Where should $1\frac{1}{4}$ be placed? How do you know?



Where should $\frac{3}{4}$ be placed? How do you know?



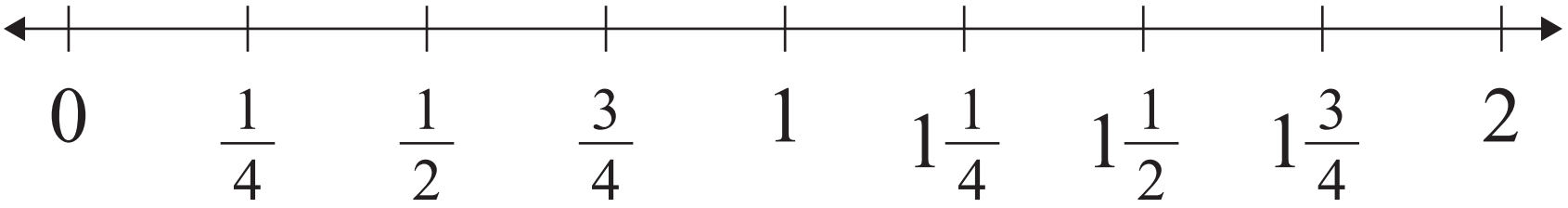
Where should $\frac{4}{5}$ be placed? How do you know?



Where should $\frac{3}{4}$ be placed? How do you know?

Where should $\frac{5}{7}$ be placed? How do you know?

0 to 2 Number Line, Partitioned into $\frac{1}{4}$s



0 to 2 Number Line, Partitioned into $\frac{1}{2}$s and $\frac{1}{3}$s