

JUMP Math

Fractions Challenge

Level B



jump math™

MULTIPLYING POTENTIAL.

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JUMP Math

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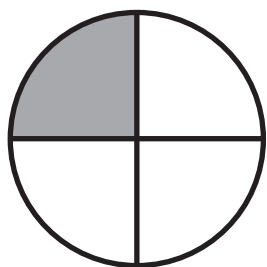
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F-1A: Counting Shaded Pieces

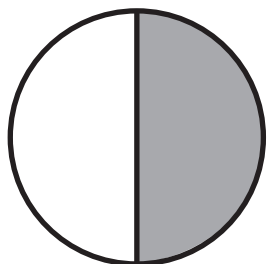
Count the shaded pieces.

Count all the pieces.



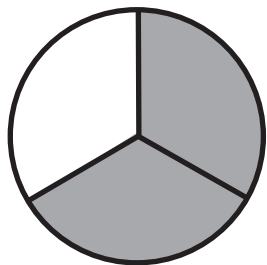
shaded

altogether



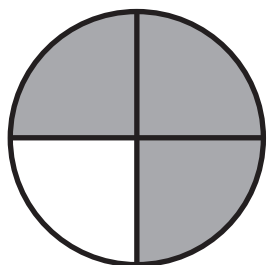
shaded

altogether



shaded

altogether



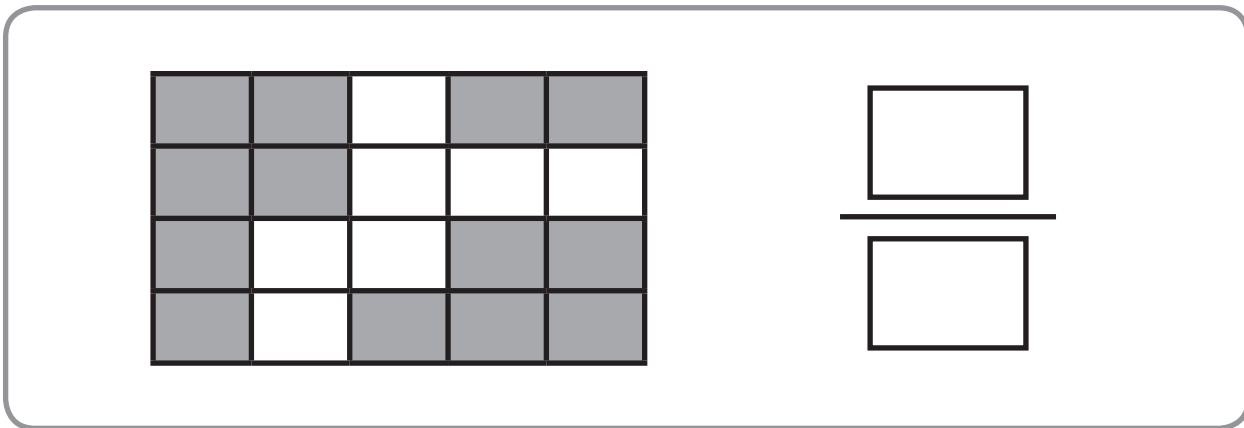
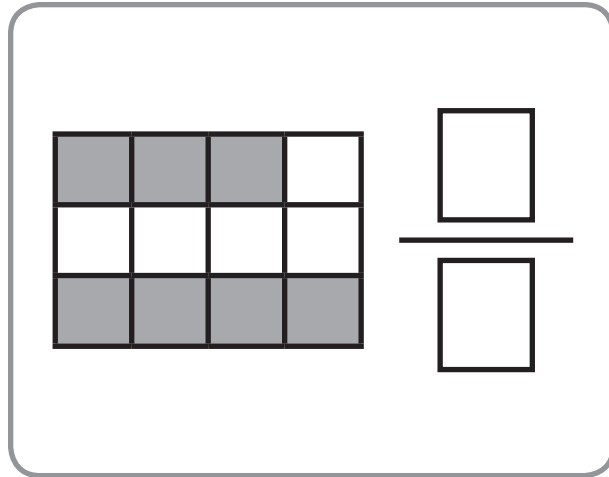
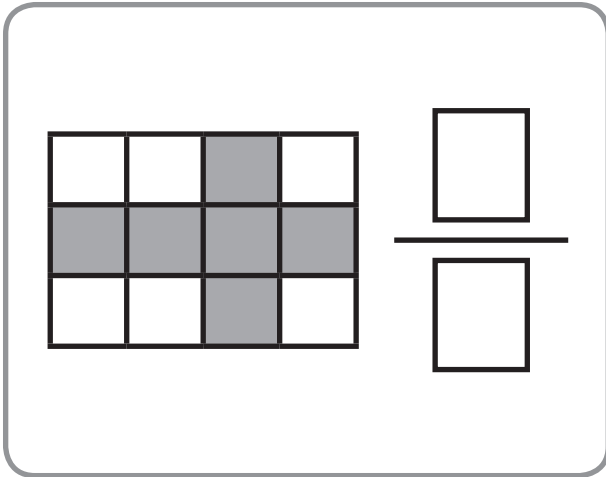
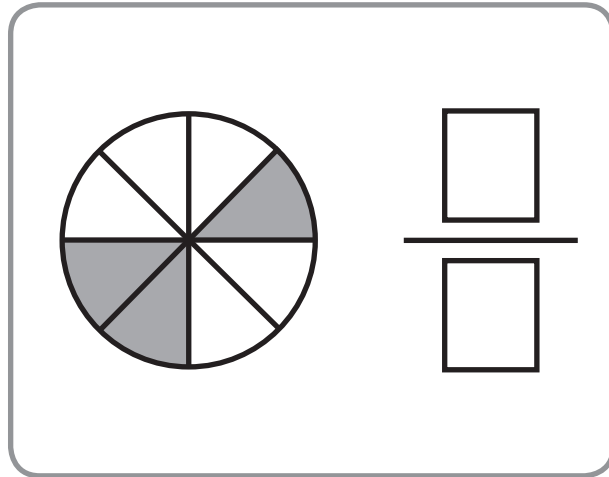
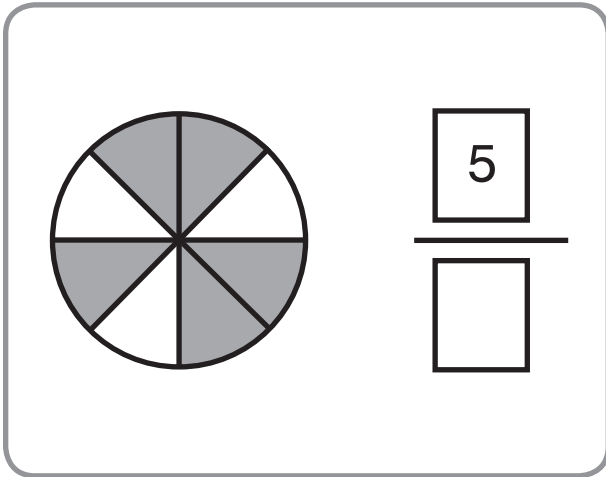
shaded

altogether

F-1B

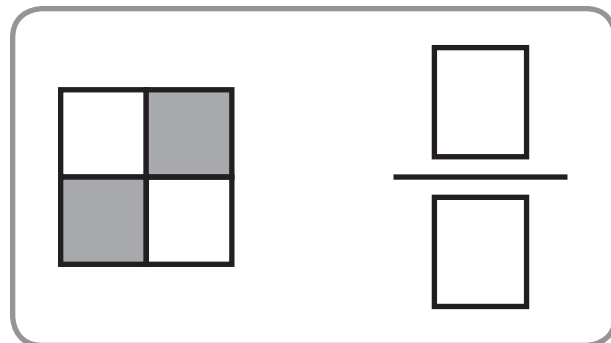
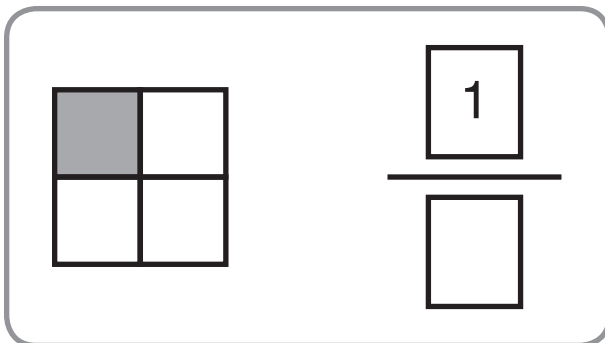
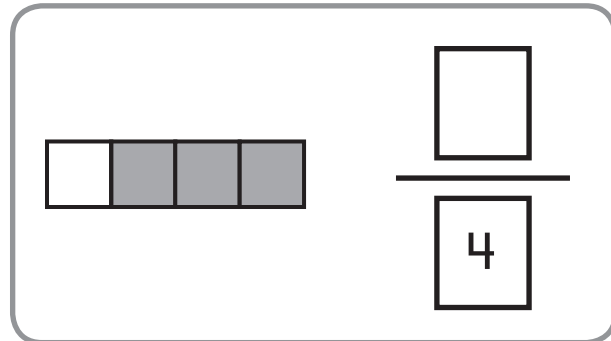
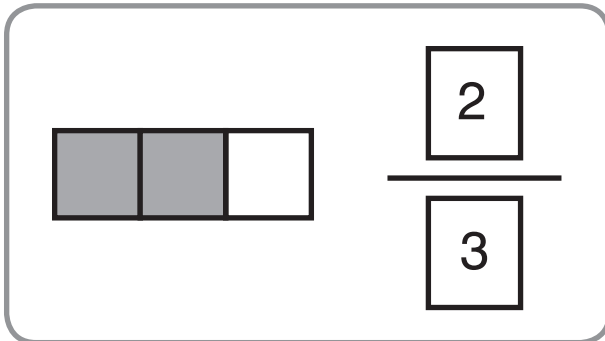
Count the shaded squares or pieces.

Count all the squares or pieces.

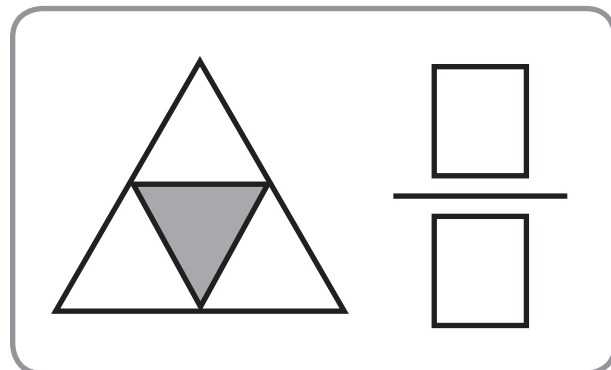
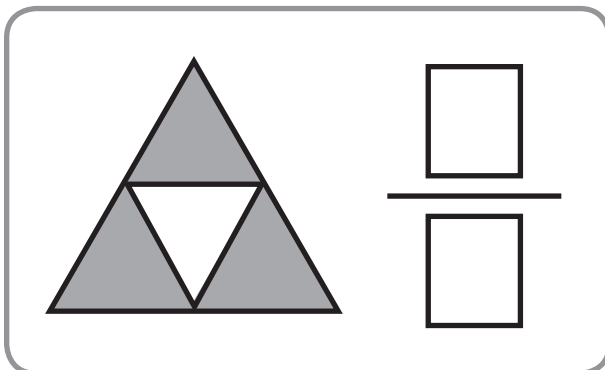
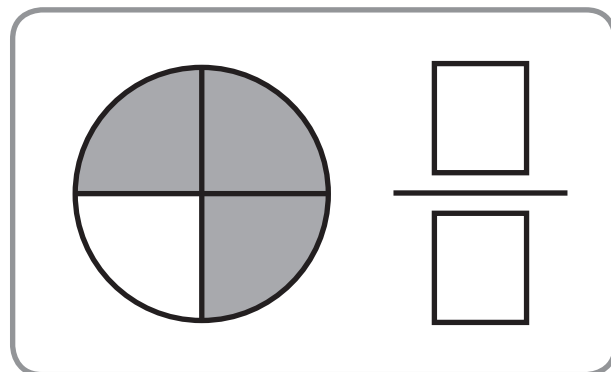
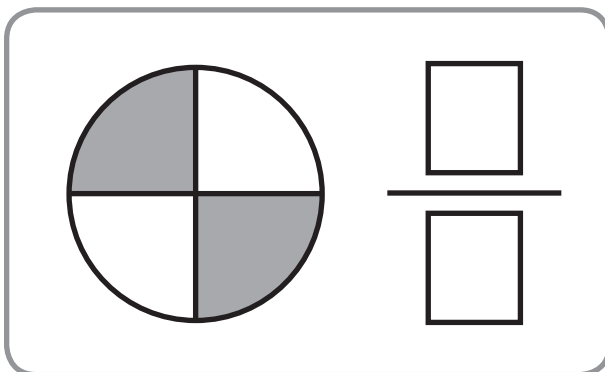


F-2A: Fractions

Write the fraction of shaded squares.

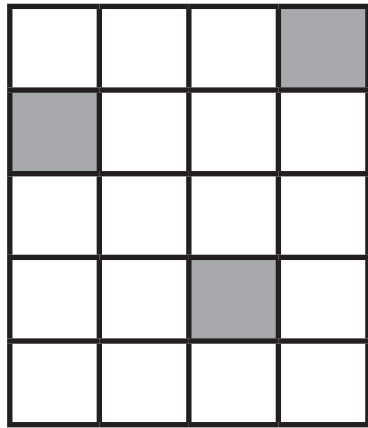


Write the fraction of shaded pieces.

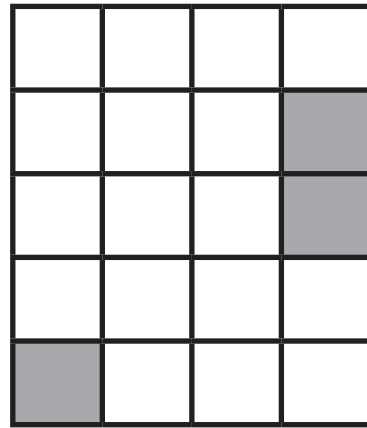


F-2B

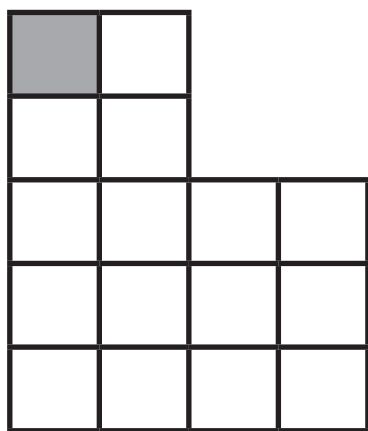
Write the fraction of shaded squares.



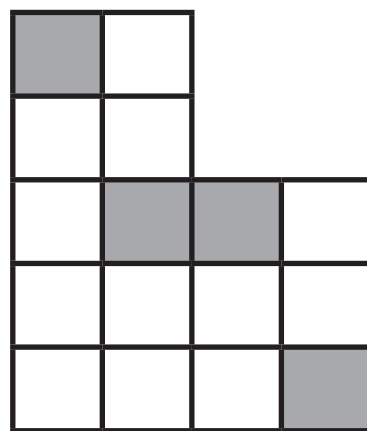
$$\frac{\square}{20}$$



$$\frac{\square}{20}$$



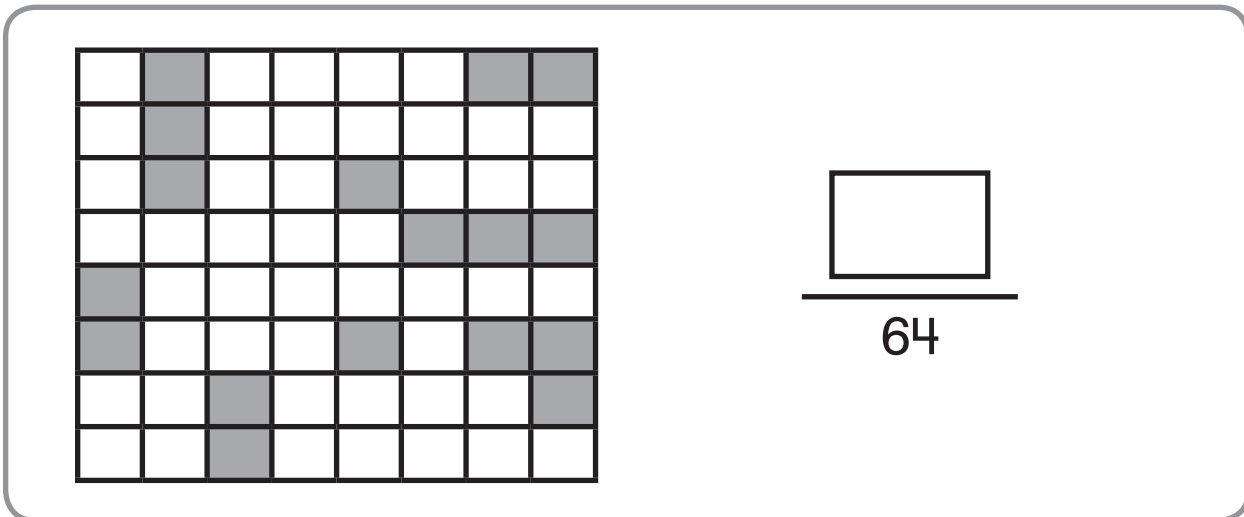
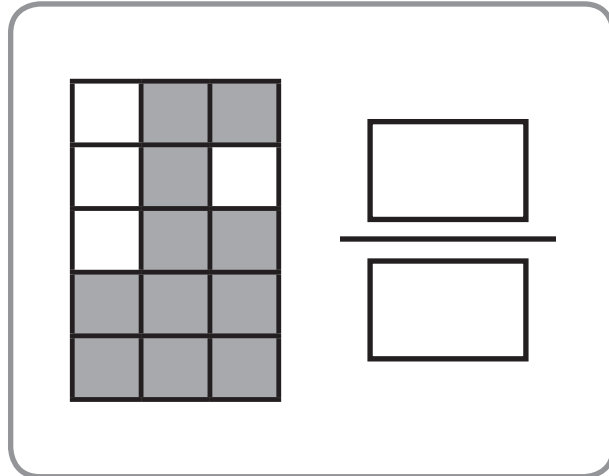
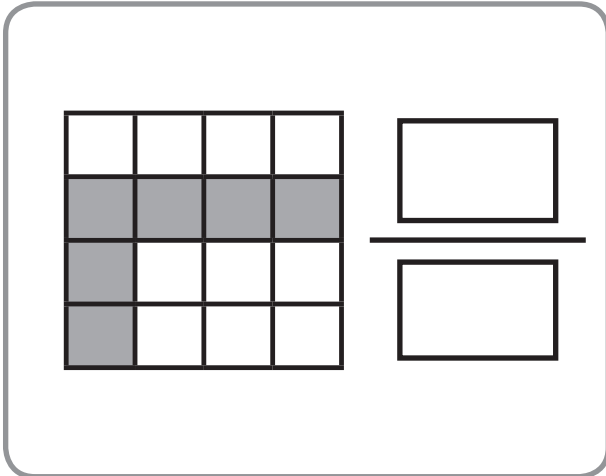
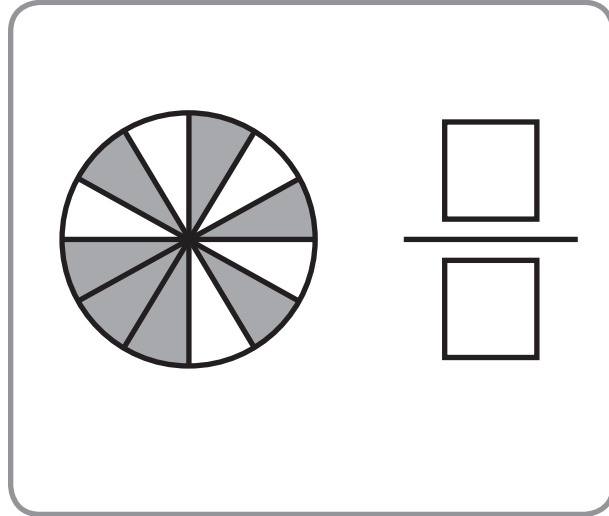
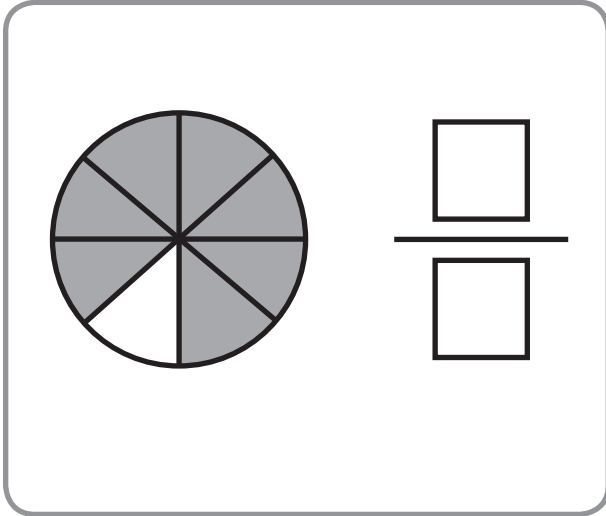
$$\frac{\square}{16}$$



$$\frac{\square}{16}$$

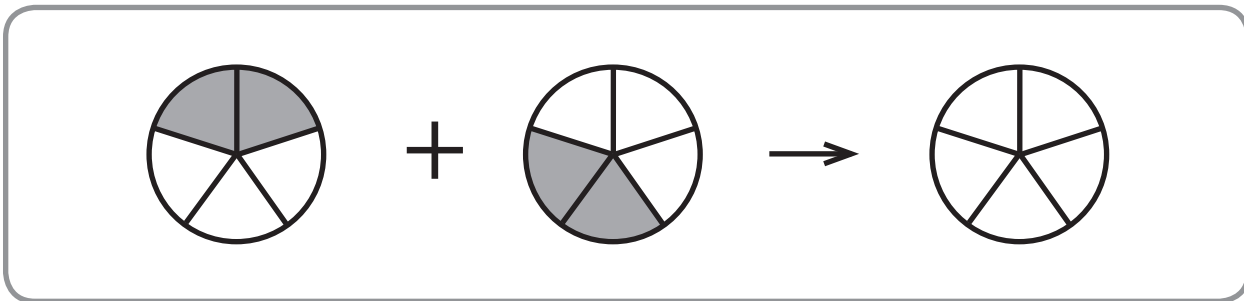
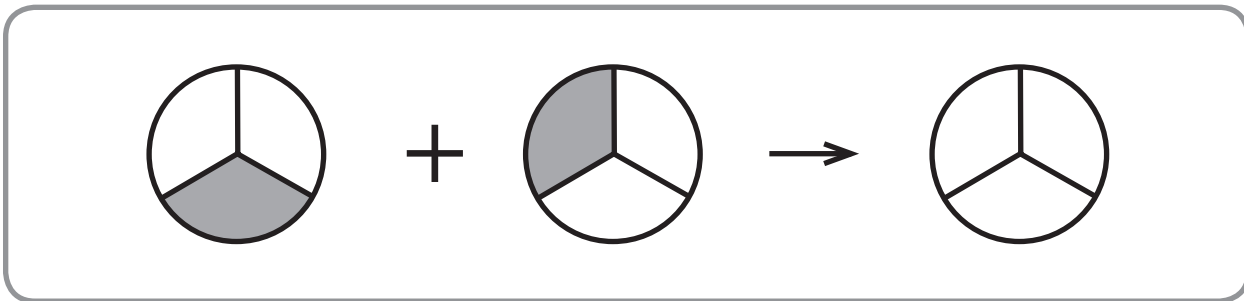
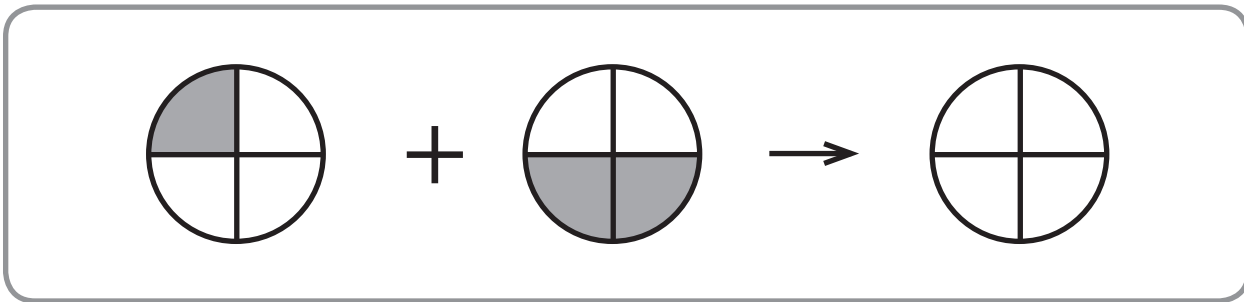
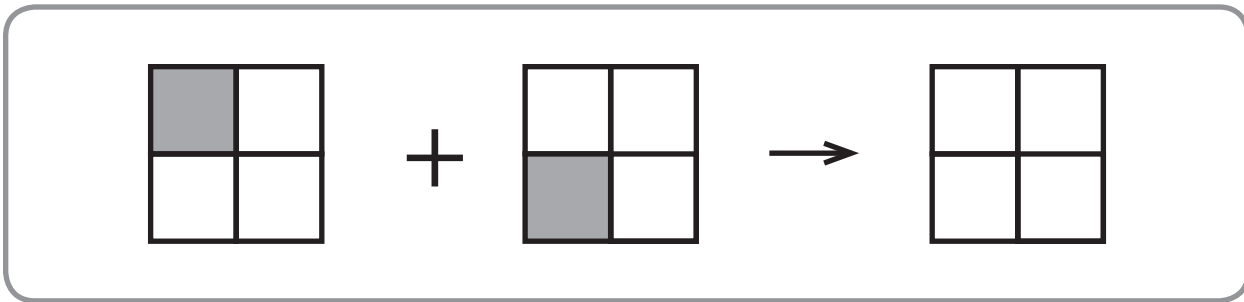
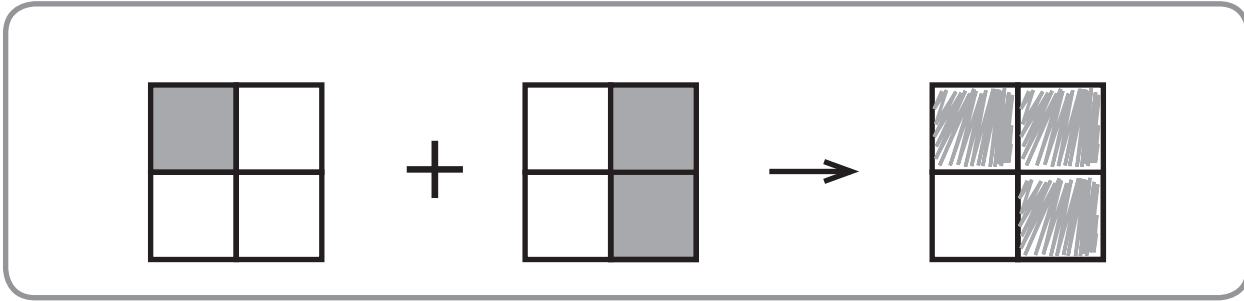
F-2C

Write the fraction of shaded pieces.



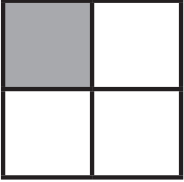
F-3A: Adding Fractions

Move the pieces.

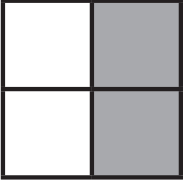


F-3B

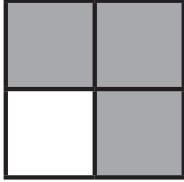
Add the fractions!



 $\frac{1}{4}$

+



 $\frac{2}{4}$

=



 $\frac{\square}{4}$ shaded
all

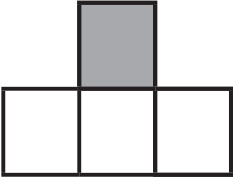

 $\frac{1}{3}$

+

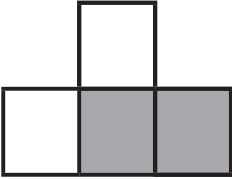

 $\frac{1}{3}$

=

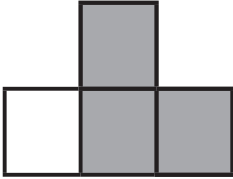

 $\frac{\square}{3}$ shaded
all


 $\frac{1}{4}$

+

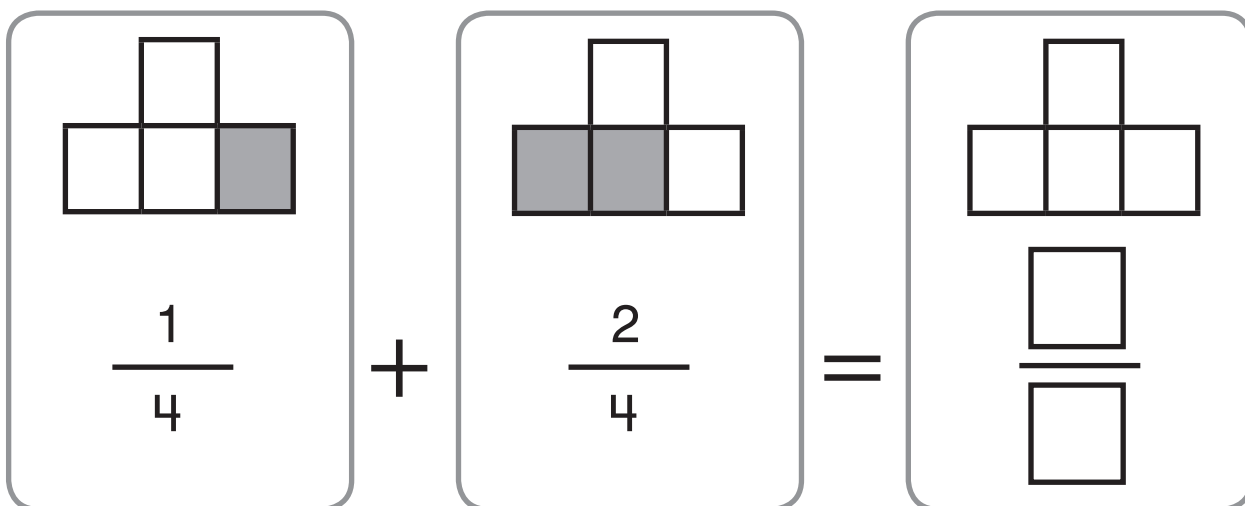
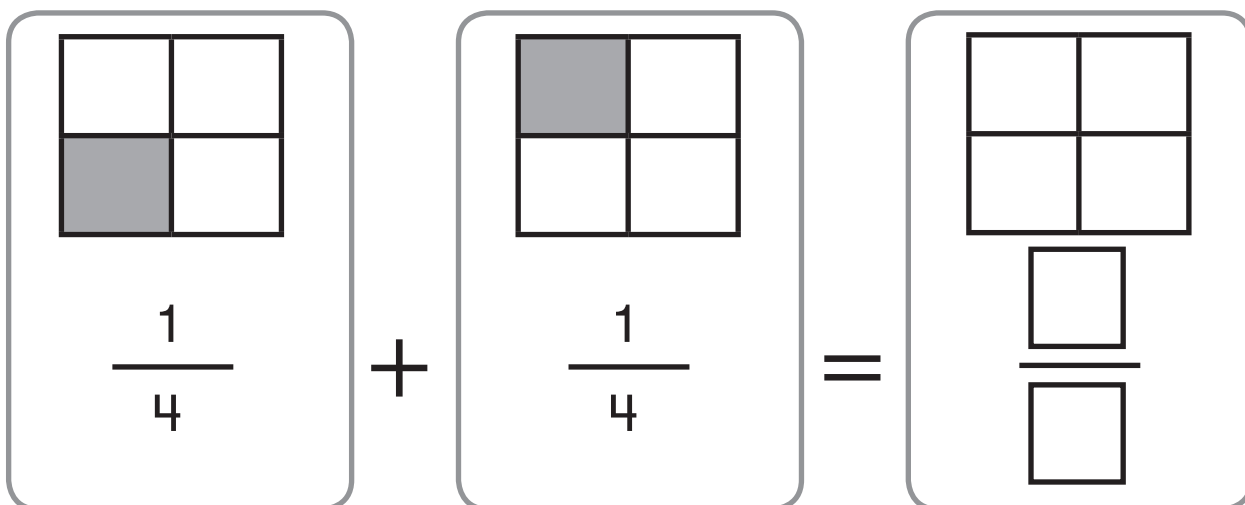
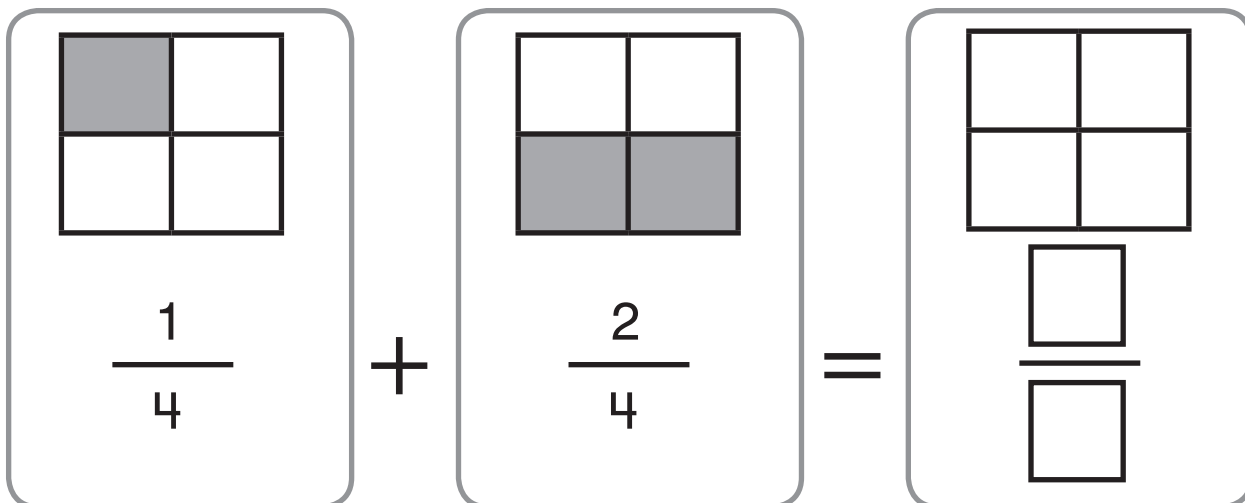

 $\frac{2}{4}$

=


 $\frac{\square}{\square}$ shaded
all

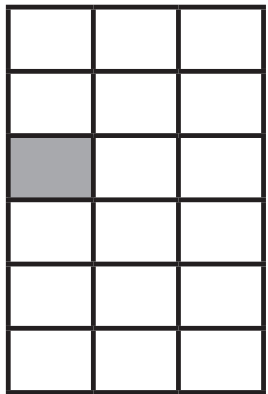
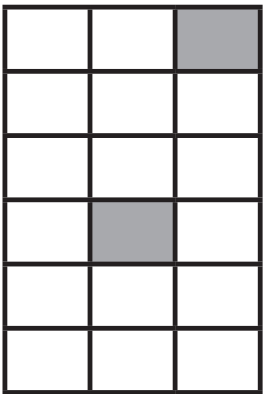
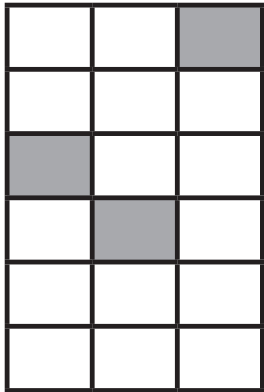
F-3C

Shade the same squares in the last box.



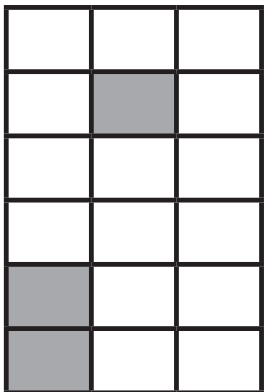
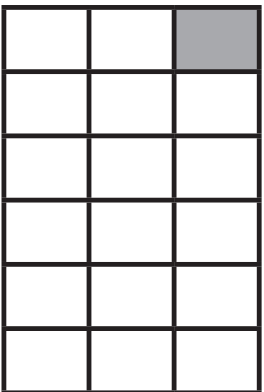
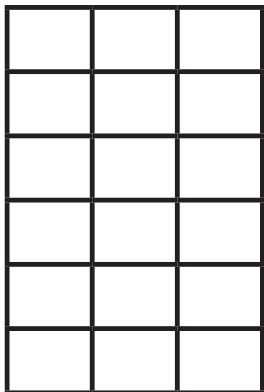
F-4A: Adding Fractions (Advanced)

Add the fractions.

	+		=	
$\frac{1}{18}$		$\frac{2}{18}$		$\frac{\square}{18}$

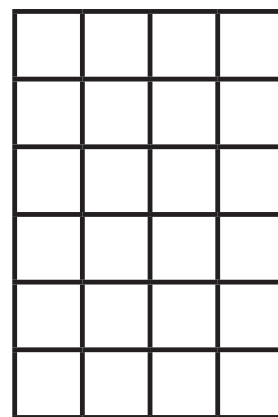
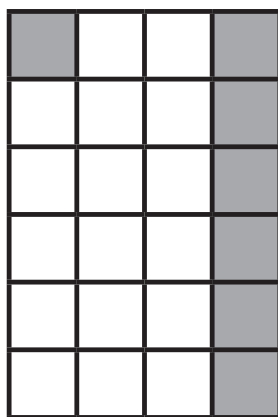
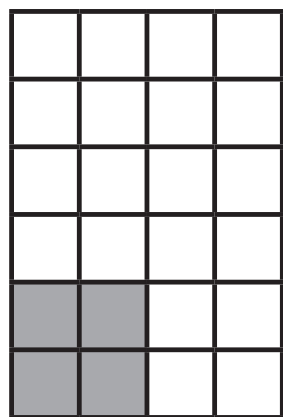
Now shade the same squares in the last box.

Add the fractions.

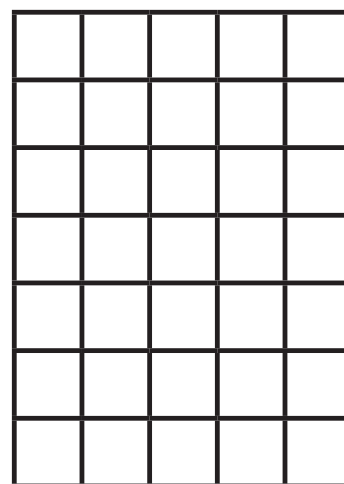
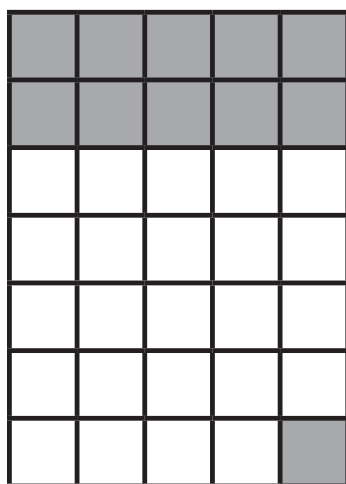
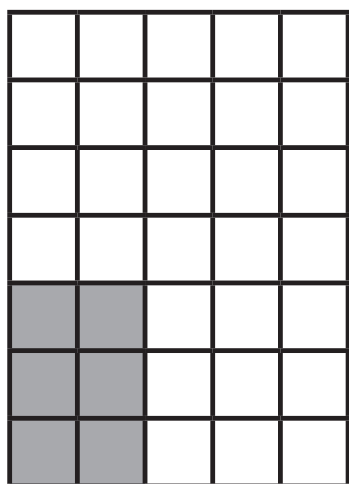
	+		=	
$\frac{3}{18}$		$\frac{1}{18}$		$\frac{\square}{18}$

F-4B

Shade the same squares in the last box.
Add the fractions.



$$\frac{4}{24} + \frac{7}{24} = \frac{\square}{24}$$



$$\frac{6}{35} + \frac{11}{35} = \frac{\square}{35}$$

F-5A: Adding Fractions without Pictures

Add the fractions.

$$\frac{1}{35} + \frac{3}{35} = \frac{\square}{35}$$

$$\frac{2}{17} + \frac{1}{17} = \frac{\square}{17}$$

$$\frac{2}{27} + \frac{2}{27} = \frac{\square}{27}$$

$$\frac{3}{19} + \frac{1}{19} = \frac{\square}{19}$$

$$\frac{1}{63} + \frac{1}{63} = \frac{\square}{63}$$

$$\frac{1}{5} + \frac{2}{5} = \frac{\square}{5}$$

BONUS:

$$\frac{2}{187} + \frac{1}{187} = \frac{\square}{187}$$

F-5B

Add the fractions.

$$\frac{7}{21} + \frac{5}{21} = \frac{\square}{21}$$

$$\frac{8}{41} + \frac{7}{41} = \frac{\square}{41}$$

$$\frac{16}{85} + \frac{3}{85} = \frac{\square}{85}$$

$$\frac{2}{49} + \frac{13}{49} = \frac{\square}{49}$$

$$\frac{89}{95} + \frac{2}{95} = \frac{\square}{95}$$

$$\frac{13}{50} + \frac{3}{50} = \frac{\square}{50}$$

$$\frac{58}{67} + \frac{3}{67} = \frac{\square}{67}$$

$$\frac{4}{231} + \frac{92}{231} = \frac{\square}{231}$$

BONUS:

$$\frac{3}{17} + \frac{12}{17} = \frac{\square}{\square}$$

$$\frac{13}{87} + \frac{3}{87} = \frac{\square}{\square}$$

F-5C: Advanced

$$\frac{2}{7} + \frac{1}{7} + \frac{1}{7} = \frac{\square}{7}$$

$$\frac{3}{11} + \frac{3}{11} + \frac{2}{11} = \frac{\square}{11}$$

$$\frac{5}{22} + \frac{5}{22} + \frac{2}{22} + \frac{1}{22} = \frac{\square}{\square}$$

BONUS:

$$\frac{2}{31} + \frac{2}{31} + \frac{2}{31} + \frac{4}{31} + \frac{1}{31} = \frac{\square}{\square}$$

SUPER BONUS:

Fill in the missing numbers.

$$\frac{\square}{12} + \frac{4}{12} = \frac{7}{12}$$

$$\frac{\square}{\square} + \frac{8}{\square} = \frac{10}{57}$$

