NAME_____

Module 6 **Computational Fluency of Fractions**
Lesson 2 **Adding Fractions with Unlike Denominators**

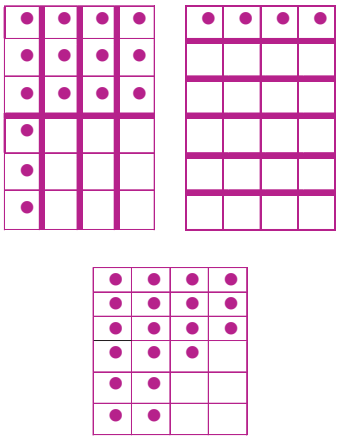
Guided Practice 6.2

Set 1

Model using 6 × 4 egg cartons.

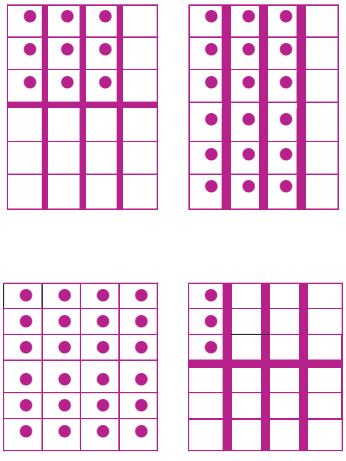
1. $\frac{5}{8}+\frac{1}{6}$

$\frac{5}{8}+\frac{1}{6}=\frac{19}{24}$



2. $\frac{3}{8}+\frac{3}{4}$

$\frac{3}{8}+\frac{3}{4}=1\frac{3}{24}=1\frac{1}{8}$



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Set 2

1 A cookie recipe calls for $\frac{2}{3}$ cup of chocolate chips. When Brian made a batch of cookies, he added an additional $\frac{1}{8}$ cup of chocolate chips. How many cups of chocolate chips did Brian use?

$$\frac{2}{3}+\frac{1}{8}$$
$$\frac{2\cdot 8}{3\cdot 8}+\frac{1\cdot 3}{8\cdot 3}$$
$$\frac{16}{24}+\frac{3}{24}$$
$$\frac{16+3}{24}$$
$$\frac{19}{24}$$

Brian used $\frac{19}{24}$ cup of chocolate chips.

2 Deidre used $\frac{3}{7}$ quart of stain for a chair and $\frac{3}{4}$ quart of stain for a bookcase. How much stain did Deidre use altogether?

$$\frac{3}{7}+\frac{3}{4}$$
$$\frac{3\cdot 4}{7\cdot 4}+\frac{3\cdot 7}{4\cdot 7}$$
$$\frac{12}{28}+\frac{21}{28}$$
$$\frac{12+21}{28}$$
$$\frac{33}{28}$$
$$1\frac{5}{28}$$

Deidre used $1\frac{5}{28}$ quarts of stain.

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Ricardo mixes $\frac{6}{7}$ quart of orange juice with $\frac{1}{3}$ quart of grapefruit juice. How many quarts of juice are in the mixture?

$$\frac{6}{7}+\frac{1}{3}$$
$$\frac{6\cdot 3}{7\cdot 3}+\frac{1\cdot 7}{3\cdot 7}$$
$$\frac{18}{21}+\frac{7}{21}$$
$$\frac{18+7}{21}$$
$$\frac{25}{21}$$
$$1\frac{4}{21}$$

There are $1\frac{4}{21}$ quarts of juice in the mixture.

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