

Fractions: Adding & Subtracting

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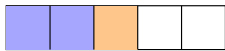
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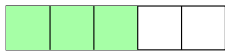
Retrieve and Connect

1. Fully simplify: $\frac{12}{16}$

2. Which is larger: $\frac{3}{7}$ or $\frac{3}{9}$?

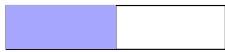


3. Convert $\frac{11}{4}$ to a mixed number.



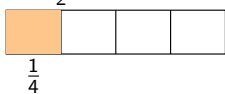
4. Complete the addition represented by the bars to the left:

$$\frac{?}{5} + \frac{?}{5} = \frac{3}{?}$$



5. Calculate:

$$\frac{1}{7} + \frac{3}{7} \quad \frac{5}{9} + \frac{2}{9}$$



6. To add $\frac{1}{2} + \frac{1}{4}$, what must you do first? Can you draw a picture to demonstrate?

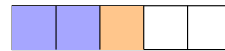
7. Calculate: $\frac{1}{2} + \frac{1}{4}$

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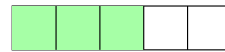
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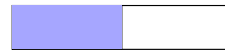


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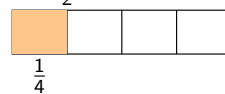
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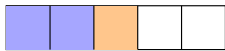
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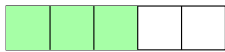
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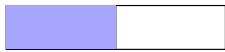


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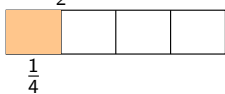
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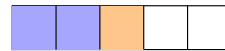
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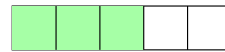
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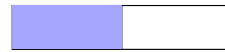


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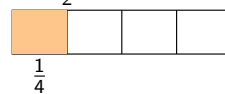
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Retrieve and Connect

1. Write 3 fractions equivalent to $\frac{2}{3}$.

2. Order smallest to largest: $\frac{1}{8}$, $\frac{1}{2}$, $\frac{1}{12}$

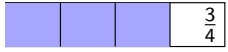


3. Convert $2\frac{3}{7}$ to an improper fraction.



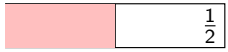
4. Complete the subtraction represented by the bars to the left:

$$\frac{4}{6} - \frac{?}{6} = \frac{?}{6} = \frac{1}{?}$$



5. Calculate:

$$\frac{7}{10} - \frac{3}{10} \quad \frac{8}{9} - \frac{5}{9}$$



6. Use the bars to work out $\frac{3}{4} - \frac{1}{2}$.

7. Calculate: $\frac{5}{6} - \frac{1}{4}$

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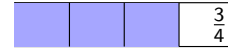


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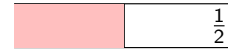
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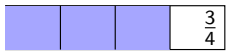


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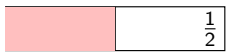
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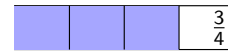


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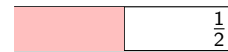
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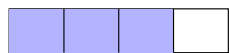
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9. Order smallest to largest: $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{12}$

Retrieve and Connect

1. $\frac{2}{5} + \frac{1}{5}$ 2. $\frac{3}{4} - \frac{1}{2}$ 3. Simplify: $\frac{36}{48}$



+



=

4. Fill in the blanks using the diagram:

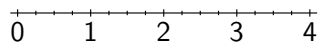
$$\frac{?}{4} + \frac{1}{?} = \frac{?}{4} + \frac{?}{4} = \frac{?}{4} = \frac{?}{?}$$

5.

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

6.

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

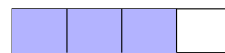


7. Mark $1\frac{3}{4}$ and $3\frac{1}{4}$ on the number line. What is the difference? How else could you work this out?

8. Calculate: $2\frac{2}{3} + 1\frac{3}{4}$ 9. Calculate $1\frac{3}{4} - 3\frac{1}{4}$

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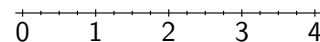
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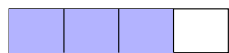


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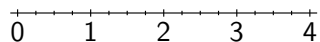
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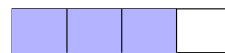


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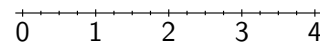
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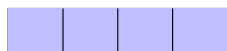
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Retrieve and Connect Which is greater: $2\frac{1}{3}$ or $2\frac{2}{5}$?

2. Convert $\frac{23}{6}$ to a mixed number.

3. Consider the diagram on the left, fill in the blanks to demonstrate subtraction using improper fractions:



$$3\frac{1}{4} - 1\frac{3}{4} = \frac{?}{4} - \frac{?}{4} = \frac{?}{4} = \frac{?}{?}$$

4.

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

5.

$$4\frac{5}{6} - 2\frac{1}{6}$$

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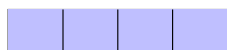
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$$5\frac{1}{5} - 2\frac{3}{5}$$

Retrieve and Connect

1. Fully simplify: $\frac{15}{20}$ 2. Fully simplify: $\frac{72}{96}$

3. Use the fraction wall to fill in the blanks:

$$\frac{1}{2} + \frac{?}{6} = 1 \quad \frac{?}{3} + \frac{?}{6} = 1$$

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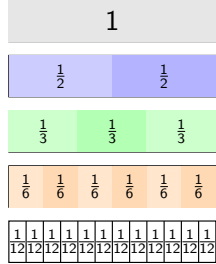
6. Maya says: " $\frac{1}{2} + \frac{1}{3} = \frac{2}{5}$ ". Explain the mistake and find the correct answer.

7. Amir eats $\frac{3}{8}$, Beth eats $\frac{1}{4}$, Cal eats $\frac{1}{3}$ of a pizza. What fraction is left?

8. Fill in the blanks: $3\frac{1}{4} + \underline{\quad} = 5\frac{1}{6}$

9. True or false? $\frac{a}{b} + \frac{a}{c} = \frac{2a}{b+c}$. Can you explain your

Fraction wall



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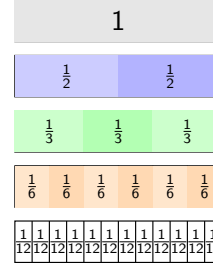
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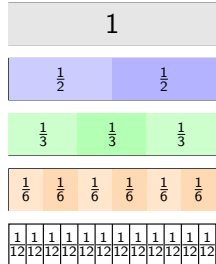
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7. Amir eats $\frac{3}{8}$, Beth eats $\frac{1}{4}$, Cal eats $\frac{1}{3}$ of a pizza. What fraction is left?

8. Fill in the blanks: $3\frac{1}{4} + \underline{\quad} = 5\frac{1}{6}$

9. True or false? $\frac{a}{b} + \frac{a}{c} = \frac{2a}{b+c}$. Can you explain your

Fraction wall

