

Fractions: Adding & Subtracting

Fractions: Adding & Subtracting

Fractions: Adding & Subtracting

Fractions: Adding & Subtracting

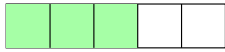
Starter 10

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

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

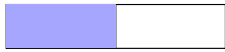


3. Convert $\frac{11}{4}$ to a mixed number.



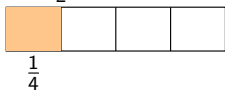
4. Complete the addition represented by the bars to the left:

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



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?

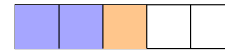
7. Calculate: $\frac{1}{2} + \frac{1}{4}$

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

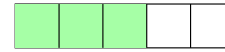
Starter 10

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

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

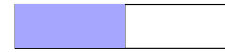


3. Convert $\frac{11}{4}$ to a mixed number.



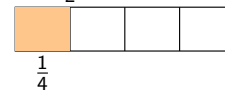
4. Complete the addition represented by the bars to the left:

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



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?

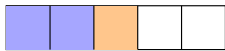
7. Calculate: $\frac{1}{2} + \frac{1}{4}$

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

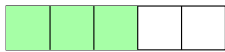
Starter 10

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.



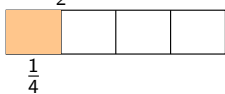
4. Complete the addition represented by the bars to the left:

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



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?

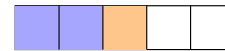
7. Calculate: $\frac{1}{2} + \frac{1}{4}$

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

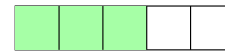
Starter 10

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.



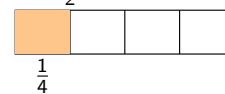
4. Complete the addition represented by the bars to the left:

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



5. Calculate:

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

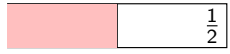
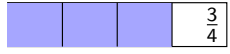


6. To add $\frac{1}{2} + \frac{1}{4}$, what must you do first? Can you draw a picture to demonstrate?

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

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

Starter 11

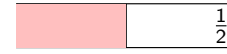
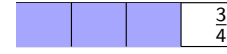
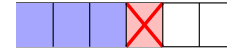


- Write 3 fractions equivalent to $\frac{2}{3}$.
- Order smallest to largest: $\frac{1}{8}$, $\frac{1}{2}$, $\frac{1}{12}$
- Convert $2\frac{3}{7}$ to an improper fraction.
- Complete the subtraction represented by the bars to the left:

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

$$\frac{7}{10} - \frac{3}{10} \quad \frac{8}{9} - \frac{5}{9}$$
- Use the bars to work out $\frac{3}{4} - \frac{1}{2}$.
- Calculate: $\frac{5}{6} - \frac{1}{4}$
- Calculate: $\frac{7}{8} - \frac{2}{3}$
- Order smallest to largest: $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{12}$

Starter 11

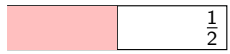
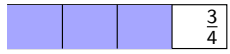
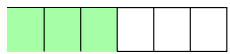


- Write 3 fractions equivalent to $\frac{2}{3}$.
- Order smallest to largest: $\frac{1}{8}$, $\frac{1}{2}$, $\frac{1}{12}$
- Convert $2\frac{3}{7}$ to an improper fraction.
- Complete the subtraction represented by the bars to the left:

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

$$\frac{7}{10} - \frac{3}{10} \quad \frac{8}{9} - \frac{5}{9}$$
- Use the bars to work out $\frac{3}{4} - \frac{1}{2}$.
- Calculate: $\frac{5}{6} - \frac{1}{4}$
- Calculate: $\frac{7}{8} - \frac{2}{3}$
- Order smallest to largest: $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{12}$

Starter 11

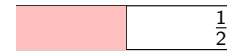
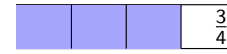
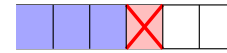


- Write 3 fractions equivalent to $\frac{2}{3}$.
- Order smallest to largest: $\frac{1}{8}$, $\frac{1}{2}$, $\frac{1}{12}$
- Convert $2\frac{3}{7}$ to an improper fraction.
- Complete the subtraction represented by the bars to the left:

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

$$\frac{7}{10} - \frac{3}{10} \quad \frac{8}{9} - \frac{5}{9}$$
- Use the bars to work out $\frac{3}{4} - \frac{1}{2}$.
- Calculate: $\frac{5}{6} - \frac{1}{4}$
- Calculate: $\frac{7}{8} - \frac{2}{3}$
- Order smallest to largest: $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{12}$

Starter 11



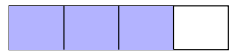
- Write 3 fractions equivalent to $\frac{2}{3}$.
- Order smallest to largest: $\frac{1}{8}$, $\frac{1}{2}$, $\frac{1}{12}$
- Convert $2\frac{3}{7}$ to an improper fraction.
- Complete the subtraction represented by the bars to the left:

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

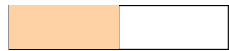
$$\frac{7}{10} - \frac{3}{10} \quad \frac{8}{9} - \frac{5}{9}$$
- Use the bars to work out $\frac{3}{4} - \frac{1}{2}$.
- Calculate: $\frac{5}{6} - \frac{1}{4}$
- Calculate: $\frac{7}{8} - \frac{2}{3}$
- Order smallest to largest: $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{12}$

Starter 12

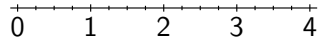
1. $\frac{2}{5} + \frac{1}{5}$ 2. $\frac{3}{4} - \frac{1}{2}$ 3. Simplify: $\frac{36}{48}$



+



=



4. Fill in the blanks using the diagram:

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

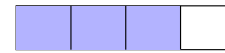
5. $2\frac{1}{3} + 1\frac{1}{3}$ 6. $3\frac{1}{4} + 1\frac{1}{2}$

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?

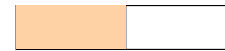
8. Calculate: $2\frac{2}{3} + 1\frac{3}{4}$ 9. Calculate $1\frac{3}{4} - 3\frac{1}{4}$

Starter 12

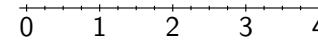
1. $\frac{2}{5} + \frac{1}{5}$ 2. $\frac{3}{4} - \frac{1}{2}$ 3. Simplify: $\frac{36}{48}$



+



=



4. Fill in the blanks using the diagram:

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

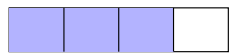
5. $2\frac{1}{3} + 1\frac{1}{3}$ 6. $3\frac{1}{4} + 1\frac{1}{2}$

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

Starter 12

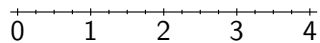
1. $\frac{2}{5} + \frac{1}{5}$ 2. $\frac{3}{4} - \frac{1}{2}$ 3. Simplify: $\frac{36}{48}$



+



=



4. Fill in the blanks using the diagram:

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

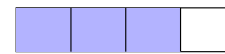
5. $2\frac{1}{3} + 1\frac{1}{3}$ 6. $3\frac{1}{4} + 1\frac{1}{2}$

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

Starter 12

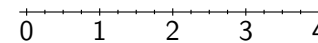
1. $\frac{2}{5} + \frac{1}{5}$ 2. $\frac{3}{4} - \frac{1}{2}$ 3. Simplify: $\frac{36}{48}$



+



=



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

Starter 13

1. 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.

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

6.

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

7.

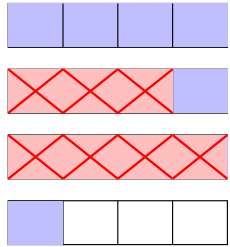
$$4\frac{1}{4} - 1\frac{1}{2}$$

8.

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

9.

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



Starter 13

1. 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.

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

6.

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

7.

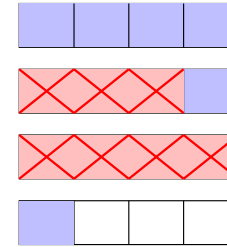
$$4\frac{1}{4} - 1\frac{1}{2}$$

8.

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

9.

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



Starter 13

1. 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.

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

6.

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

7.

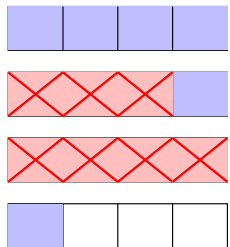
$$4\frac{1}{4} - 1\frac{1}{2}$$

8.

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

9.

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



Starter 13

1. 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.

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

6.

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

7.

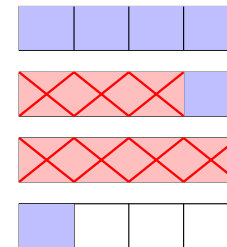
$$4\frac{1}{4} - 1\frac{1}{2}$$

8.

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

9.

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



Starter 14

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

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

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

4. $2\frac{3}{4} + 1\frac{2}{3}$ 5. $4\frac{1}{5} - 1\frac{3}{4}$

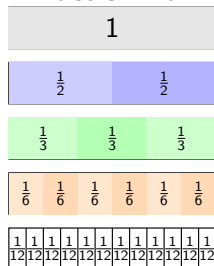
6. Maya says: " $\frac{1}{2} + \frac{1}{3} = \frac{2}{5}$ ". Explain the mistake and find the correct answer.

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



Starter 14

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

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

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

4. $2\frac{3}{4} + 1\frac{2}{3}$ 5. $4\frac{1}{5} - 1\frac{3}{4}$

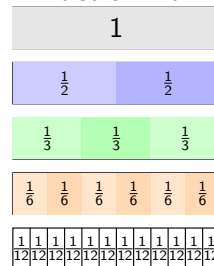
6. Maya says: " $\frac{1}{2} + \frac{1}{3} = \frac{2}{5}$ ". Explain the mistake and find the correct answer.

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



Starter 14

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

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

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

4. $2\frac{3}{4} + 1\frac{2}{3}$ 5. $4\frac{1}{5} - 1\frac{3}{4}$

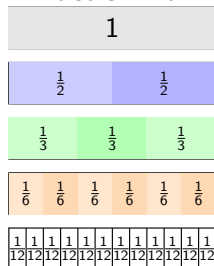
6. Maya says: " $\frac{1}{2} + \frac{1}{3} = \frac{2}{5}$ ". Explain the mistake and find the correct answer.

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



Starter 14

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

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

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

4. $2\frac{3}{4} + 1\frac{2}{3}$ 5. $4\frac{1}{5} - 1\frac{3}{4}$

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

