Name: ....   Class: ....

How to add and subtract fractions with like denominators.

Solve the following expressions (simplify your answer).

1. $\dfrac{2}{7} + \dfrac{3}{7} =$

2. $\dfrac{15}{10} - \dfrac{7}{10} =$

3. $\dfrac{4}{15} + \dfrac{3}{15} =$

4. $\dfrac{21}{30} - \dfrac{8}{30} =$

5. $\dfrac{7}{14} + \dfrac{7}{14} =$

6. $\dfrac{3}{8} - \dfrac{2}{8} =$

7. $\dfrac{17}{25} - \dfrac{12}{25} =$

8. $\dfrac{13}{20} - \dfrac{7}{20} =$

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Name: .... Class: ....

How to add and subtract fractions with like denominators.

Solve the following expressions (simplify your answer).

1. $\dfrac{2}{7} + \dfrac{3}{7} = \dfrac{5}{7}$

Let's add the numerators only

since the denominators are the same.

$\dfrac{2}{7} + \dfrac{3}{7} = \dfrac{2+3}{7} = \dfrac{5}{7}$

So, $\dfrac{2}{7} + \dfrac{3}{7} = \dfrac{5}{7}$

2. $\dfrac{15}{10} - \dfrac{7}{10} = \dfrac{4}{5}$

Let's subtract the numerators only

since the denominators are the same.

$\dfrac{15}{10} - \dfrac{7}{10} = \dfrac{15-7}{10} = \dfrac{8}{10} = \dfrac{4}{5}$

So, $\dfrac{15}{10} - \dfrac{7}{10} = \dfrac{4}{5}$

3. $\dfrac{4}{15} + \dfrac{3}{15} = \dfrac{7}{15}$

Let's add the numerators only

since the denominators are the same.

$\dfrac{4}{15} + \dfrac{3}{15} = \dfrac{4+3}{15} = \dfrac{7}{15}$

So, $\dfrac{4}{15} + \dfrac{3}{15} = \dfrac{7}{15}$

4. $\dfrac{21}{30} - \dfrac{8}{30} = \dfrac{13}{30}$

Let's subtract the numerators only

since the denominators are the same.

$\dfrac{21}{30} - \dfrac{8}{30} = \dfrac{21-8}{30} = \dfrac{13}{30}$

So, $\dfrac{21}{30} - \dfrac{8}{30} = \dfrac{13}{30}$

5. $\dfrac{7}{14} + \dfrac{7}{14} = \dfrac{14}{14}$

Let's add the numerators only

since the denominators are the same.

$\dfrac{7}{14} + \dfrac{7}{14} = \dfrac{14}{14} = 1$

So, $\dfrac{7}{14} + \dfrac{7}{14} = 1$

6. $\dfrac{3}{8} - \dfrac{2}{8} = \dfrac{1}{8}$

Let's subtract the numerators only

since the denominators are the same.

$\dfrac{3}{8} - \dfrac{2}{8} = \dfrac{3-2}{8} = \dfrac{1}{8}$

So, $\dfrac{3}{8} - \dfrac{2}{8} = \dfrac{1}{8}$

7. $\dfrac{17}{25} - \dfrac{12}{25} = \dfrac{5}{25}$

Let's subtract the numerators only

since the denominators are the same.

$\dfrac{17}{25} - \dfrac{12}{25} = \dfrac{17-12}{25} = \dfrac{5}{25} = \dfrac{1}{5}$

So, $\dfrac{17}{25} - \dfrac{12}{25} = \dfrac{1}{5}$

8. $\dfrac{13}{20} - \dfrac{7}{20} = \dfrac{6}{20}$

Let's subtract the numerators only

since the denominators are the same.

$\dfrac{13}{20} - \dfrac{7}{20} = \dfrac{13-7}{20} = \dfrac{6}{20} = \dfrac{3}{10}$

So, $\dfrac{13}{20} - \dfrac{7}{20} = \dfrac{3}{10}$