

Warm Up Grade 7



1) Add the following

a) $5\frac{6}{7} + 1\frac{1}{2}$ *Mix → Im*

\hookrightarrow

$= \frac{41 \times 2}{7 \times 2} + \frac{3 \times 7}{2 \times 7}$ *Need CD*

$= \frac{82}{14} + \frac{21}{14}$ *Add tops keep bottom*

$= \frac{103}{14}$

$= 7\frac{5}{14}$

b) $3\frac{1}{6} + 1\frac{3}{4}$

$\frac{19}{6} + \frac{7}{4}$

$\frac{38}{12} + \frac{21}{12}$

$= \frac{59}{12}$

$= 4\frac{11}{12}$

Warm Up Grade 7



1) Add the following

a) $5\frac{6}{7} + 1\frac{1}{2}$

$\frac{2 \times 41}{2 \times 7} + \frac{3 \times 7}{2 \times 7}$

$\frac{82}{14} + \frac{21}{14}$

$= \frac{103}{14}$

$5\frac{6}{7} + 1\frac{1}{2}$

$\frac{5+1}{6} + \frac{6}{7} + \frac{1}{2}$

$6 + \frac{12}{14} + \frac{7}{14}$

$6 + \frac{19}{14}$ *→ Improper*

$6 + 1\frac{5}{14}$

$7\frac{5}{14}$

b) $3\frac{1}{6} + 1\frac{3}{4}$

$\frac{2 \times 19}{2 \times 6} + \frac{7 \times 3}{4 \times 3}$

$= \frac{38}{12} + \frac{21}{12}$

$= \frac{59}{12}$

$3\frac{1}{6} + 1\frac{3}{4}$

$3+1 + \frac{1}{6} + \frac{3}{4}$

$4 + \frac{2}{12} + \frac{9}{12}$

$4 + \frac{11}{12}$

$4\frac{11}{12}$

Class/Homework

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Work period

#3, #9ab, #10, #11, #12, #13

Test April 5

$$13a) \quad 3\frac{3}{5} + \square = 5\frac{1}{5}$$

$$\quad \quad \quad \frac{18}{5} + \frac{\square}{5} = \frac{25}{5}$$

second half of the class

Adding and subtracting MIXED fractions

- Starting subtraction tomorrow

$$4a) \quad 3\frac{2}{3} + 2\frac{1}{3}$$

$$\quad \quad \quad 5\frac{3}{3}$$

$$\quad \quad \quad 6$$

$$b) \quad 1\frac{1}{8} + 3\frac{5}{8}$$

$$\quad \quad \quad 4\frac{6}{8}$$

$$\quad \quad \quad \text{or } 4\frac{3}{4}$$

$$c) \quad 4\frac{2}{9} + 3\frac{5}{9}$$

$$\quad \quad \quad 7\frac{7}{9}$$

$$d) \quad 2\frac{3}{5} + 5\frac{4}{5}$$

$$\quad \quad \quad 7\frac{7}{5}$$

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

$$\quad \quad \quad 8\frac{2}{5}$$

$$\frac{13}{5} + \frac{29}{5}$$

$$\frac{42}{5}$$

$$\begin{aligned} 5) \quad & 2\frac{5}{8} + \frac{3}{4} \\ & 2\frac{5}{8} + \frac{6}{8} \\ & 2\frac{11}{8} \\ & 2 + 1\frac{3}{8} \\ & 3\frac{3}{8} \end{aligned}$$

$$\begin{aligned} b) \quad & 2\frac{5}{12} + \frac{2}{3} \\ & 2\frac{5}{12} + \frac{4}{12} \\ & 2\frac{9}{12} \\ & 2 + 1\frac{1}{2} \\ & 3\frac{1}{2} \end{aligned}$$

$$\begin{aligned} c) \quad & 1\frac{3}{8} + 3\frac{3}{4} \\ & 1\frac{3}{8} + 3\frac{6}{8} \\ & 4\frac{9}{8} \\ & 4 + 1\frac{1}{8} \\ & 5\frac{1}{8} \end{aligned}$$

$$\begin{aligned} & \frac{1}{8} + \frac{15}{4} \\ & \frac{1}{8} + \frac{30}{8} \\ & \frac{31}{8} \end{aligned}$$

$$\begin{aligned} d) \quad & 2\frac{2}{5} + 1\frac{7}{10} \\ & \frac{12}{5} + \frac{17}{10} \\ & \frac{24}{10} + \frac{17}{10} \\ & \frac{41}{10} \end{aligned}$$

Pa 202

$$1) \quad 1\frac{2}{6} = \frac{9}{6} \text{ or } \frac{3}{2}$$

$$b) \quad 4\frac{2}{8} = \frac{34}{8} \text{ or } \frac{17}{4}$$

$$c) \quad 1\frac{3}{4} = \frac{7}{4}$$

$$d) \quad 3\frac{3}{5} = \frac{18}{5}$$

$$2) \quad 1\frac{7}{5} = 3\frac{2}{5}$$

$$b) \quad \frac{9}{4} = 2\frac{1}{4}$$

$$c) \quad \frac{18}{4} = 4\frac{3}{2} \text{ or } 4\frac{1}{2}$$

$$d) \quad \frac{28}{6} = 4\frac{4}{3} \text{ or } 4\frac{2}{3}$$

$$3) \quad 1\frac{1}{6} + \frac{2}{6} = 1\frac{3}{6} \text{ or } 1\frac{1}{2}$$



$$\begin{aligned} b) \quad & 1\frac{2}{3} + \frac{2}{3} \\ & \frac{3}{3} + \frac{2}{3} + \frac{2}{3} = \frac{7}{3} \end{aligned}$$

$$\text{or } 1\frac{4}{3} = 1 + 1\frac{1}{3} = 2\frac{1}{3}$$

$$\begin{aligned} c) \quad & 1\frac{4}{6} + 2\frac{1}{2} \\ & \frac{10}{6} + \frac{5}{2} \\ & \frac{10}{6} + \frac{15}{6} \\ & \frac{25}{6} \end{aligned}$$

$$\begin{aligned} & 1\frac{4}{6} + 2\frac{3}{6} \\ & 3\frac{7}{6} \\ & 3 + 1\frac{1}{6} \\ & 4\frac{1}{6} \end{aligned}$$

$$\begin{aligned} d) \quad & 2\frac{1}{3} + 3\frac{5}{6} \\ & \frac{7}{3} + \frac{23}{6} \\ & \frac{14}{6} + \frac{23}{6} \\ & \frac{37}{6} \end{aligned}$$

$$\begin{aligned} & 2\frac{2}{6} + 3\frac{5}{6} \\ & 5\frac{7}{6} \\ & 5 + 1\frac{1}{6} \\ & 6\frac{1}{6} \end{aligned}$$

$$6 \text{ a) } \frac{1}{2} + \frac{1}{5} = \frac{7}{10} \text{ (given)}$$

$$3\frac{1}{2} + \frac{1}{5} = 3\frac{7}{10}$$

$$\text{b) } \underline{\underline{\frac{1}{2}}} + \underline{\underline{2\frac{1}{5}}} = 2\frac{7}{10}$$

$$\text{c) } \underline{\underline{3\frac{1}{2}}} + \underline{\underline{2\frac{1}{5}}} = 5\frac{7}{10}$$

$$\text{d) } \underline{\underline{4\frac{1}{2}}} + \underline{\underline{3\frac{1}{5}}} = 7\frac{7}{10}$$

$$\begin{array}{r} \text{a) } 3\frac{1}{2} + \frac{1}{5} \\ 3\frac{5}{10} + \frac{2}{10} \\ 3\frac{7}{10} \end{array}$$

$$\begin{array}{r} \text{b) } \frac{1}{2} + 2\frac{1}{5} \\ \frac{1}{2} + \frac{1}{5} \\ \frac{5}{10} + \frac{2}{10} = \frac{7}{10} \end{array}$$

Homework
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