

Όνομα: _____



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15 th HOMEWORK 12/18-12/22

Fractions(Addition, Subtraction)

Κλάσματα(Πρόσθεση, Αφαίρεση)

Please feel free to contact me with any questions or concerns.

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Αριθμητής

Παρονομαστής

➤ ΟΜΩΝΥΜΑ (Ίδιος παρονομαστής)

Παραδείγματα

$$\frac{1}{8} + \frac{3}{8} = \frac{4}{8} = \frac{4:4}{8:4} = \frac{1}{2}$$

$$\frac{19}{6} - \frac{5}{6} = \frac{14}{6} = \frac{14:2}{6:2} = \frac{7}{3} = 2\frac{1}{3}$$

1. $\frac{5}{4} + \frac{13}{4} =$

2. $\frac{10}{9} - \frac{4}{9} =$

3. $\frac{5}{7} + \frac{6}{7} + \frac{17}{7} =$

➤ ΕΤΕΡΩΝΥΜΑ (Διαφορετικός παρονομαστής)

Παραδείγματα

$$\frac{1}{\textcolor{red}{4}} + \frac{3}{\textcolor{green}{8}} = \overset{\textcolor{red}{2}}{\underbrace{\times}} \frac{1}{4} + \overset{\textcolor{green}{1}}{\underbrace{\times}} \frac{3}{8} = \frac{2}{\textcolor{yellow}{8}} + \frac{3}{\textcolor{yellow}{8}} = \frac{5}{8}$$

$$\text{ΕΚΠ}(4,8) = \textcolor{yellow}{8}$$

$$\textcolor{red}{2} \times 4 = \textcolor{yellow}{8}$$

$$\textcolor{green}{1} \times 8 = \textcolor{yellow}{8}$$

$$\frac{13}{\textcolor{red}{6}} - \frac{5}{\textcolor{green}{4}} = \overset{\textcolor{red}{2}}{\underbrace{\times}} \frac{13}{6} - \overset{\textcolor{green}{3}}{\underbrace{\times}} \frac{5}{4} = \frac{26}{\textcolor{yellow}{12}} - \frac{15}{\textcolor{yellow}{12}} = \frac{11}{12}$$

$$\text{ΕΚΠ}(6,4) = \textcolor{yellow}{12}$$

$$\textcolor{red}{2} \times 6 = \textcolor{yellow}{12}$$

$$\textcolor{green}{3} \times 4 = \textcolor{yellow}{12}$$

1. $\frac{1}{4} + \frac{7}{3} =$

2. $\frac{5}{6} - \frac{2}{3} =$

3. $\frac{5}{9} + \frac{8}{3} - \frac{17}{6} =$

➤ **ΚΛΑΣΜΑΤΑ ΚΑΙ ΜΕΙΚΤΟΙ ΑΡΙΘΜΟΙ**

$$2\frac{3}{5} = \frac{(2 \times 5) + 3}{5} = \frac{13}{5}$$

Παραδείγματα

$$2\frac{3}{5} + \frac{2}{10}$$

1^{ος} τρόπος

$$2\frac{3}{5} + 1\frac{2}{10} = \frac{13}{5} + \frac{12}{10} = \frac{26}{10} + \frac{12}{10} = \frac{38}{10} = \frac{19}{5} = 3\frac{4}{5}$$

2^{ος} τρόπος

$$2\frac{3}{5} + 1\frac{2}{10} = 2\frac{6}{10} + 1\frac{2}{10} = 3\frac{8}{10} = 3\frac{4}{5}$$

1. $2\frac{5}{6} + 1\frac{1}{2} =$

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

3. $\frac{5}{4} + 1\frac{2}{3} - \frac{17}{6} =$

➤ ΚΛΑΣΜΑΤΑ ΚΑΙ ΦΥΣΙΚΟΙ ΑΡΙΘΜΟΙ

Παραδείγματα

$$3 - \frac{1}{5} = \frac{3}{1} - \frac{1}{5} = \frac{15}{5} - \frac{1}{5} = \frac{14}{5} = 2\frac{4}{5}$$

1. $2 + \frac{5}{7} =$

2. $4 - 1\frac{2}{5} =$

