Adding and subtracting fractions < 1

Miss Parnham

Adding and subtracting fractions < 1

1. Add or subtract the fractions.
Give answers in their simplest form.

a) $\frac{2}{3}+\frac{1}{6}$

b) $\frac{3}{8}-\frac{1}{4}$

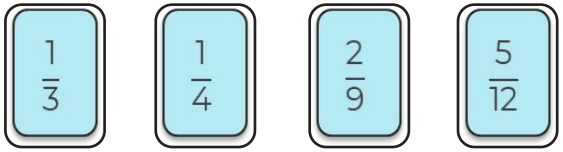
c) $\frac{8}{9}-\frac{2}{3}$

d) $\frac{7}{12}+\frac{3}{8}$

e) $\frac{3}{4}-\frac{1}{12}$

f) $\frac{3}{20}+\frac{4}{15}$

2.



a) Which pair have a sum of $\frac{3}{4}$?

b) Which pair have a difference of $\frac{1}{6}$?

c) Find the range of the cards.

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3. Add or subtract the fractions.

Write answers > 1 as a mixed number.

a) $\frac{5}{9}+\frac{2}{3}$

b) $\frac{3}{4}+(-\frac{5}{8})$

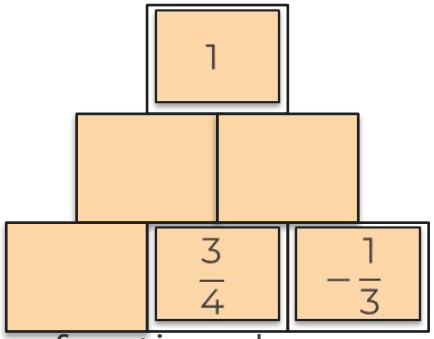
c) $\frac{2}{5}+\frac{3}{4}$

d) $-\frac{7}{10}+\frac{2}{3}$

e) $\frac{7}{12}-\frac{2}{3}$

f) $\frac{5}{16}-(-\frac{3}{4})$

4. Complete the addition pyramid.



5. Which two fractions have a sum that is closest to zero?

$-\frac{5}{11}$ $-\frac{2}{5}$ $\frac{3}{7}$ $\frac{4}{9}$

Answers

Adding and subtracting fractions < 1

1. Add or subtract the fractions.

Give answers in their simplest form.

a) $\frac{2}{3}+\frac{1}{6} = \frac{5}{6}$

b) $\frac{3}{8}-\frac{1}{4} = \frac{1}{8}$

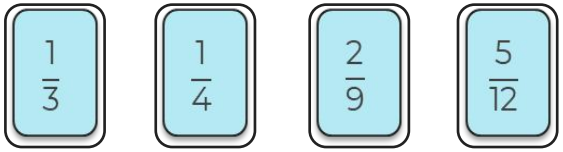
c) $\frac{8}{9}-\frac{2}{3} = \frac{2}{9}$

d) $\frac{7}{12}+\frac{3}{8} = \frac{23}{24}$

e) $\frac{3}{4}-\frac{1}{12} = \frac{2}{3}$

f) $\frac{3}{20}+\frac{4}{15} = \frac{5}{12}$

2.



a) Which pair have a sum of $\frac{3}{4}$?

$\frac{1}{3}+\frac{5}{12}=\frac{3}{4}$

b) Which pair have a difference of $\frac{1}{6}$?

$\frac{5}{12}-\frac{1}{4}=\frac{1}{6}$

c) Find the range of the cards. $\frac{5}{12}-\frac{2}{9}=\frac{7}{36}$

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3. Add or subtract the fractions.

Write answers > 1 as a mixed number.

a) $\frac{5}{9}+\frac{2}{3}=1\frac{2}{9}$

b) $\frac{3}{4}+(-\frac{5}{8})=\frac{1}{8}$

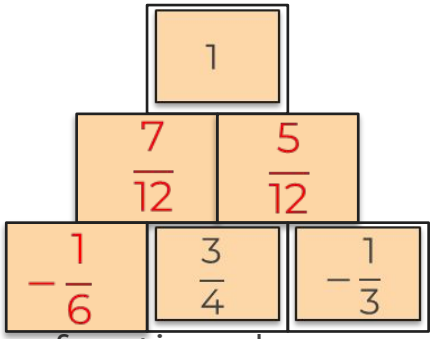
c) $\frac{2}{5}+\frac{3}{4}=1\frac{3}{20}$

d) $-\frac{7}{10}+\frac{2}{3}=-\frac{1}{30}$

e) $\frac{7}{12}-\frac{2}{3}=-\frac{1}{12}$

f) $\frac{5}{16}-(-\frac{3}{4})=1\frac{1}{16}$

4. Complete the addition pyramid.



5. Which two fractions have a sum that is closest to zero?