



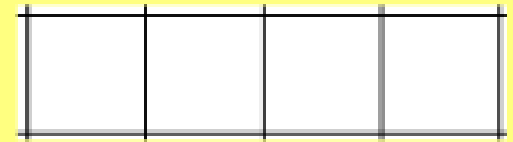
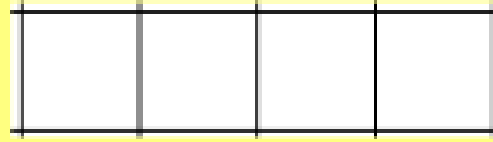
Wednesday

HALF WAY TO THE

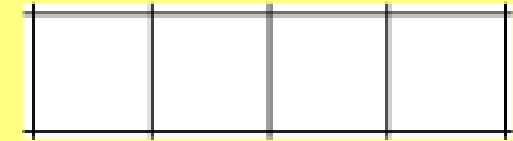
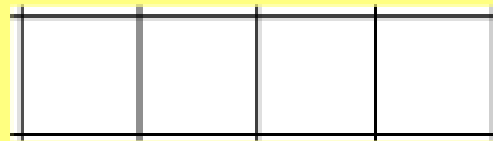
Weekend



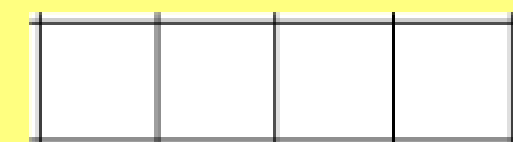
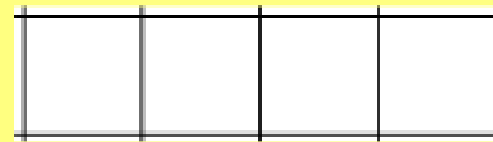
1 whole = ____ quarters



2 whole = ____ quarters



5 whole = ____ quarters



Convert these mixed numbers into improper fractions.

A. $2\frac{3}{4}$

B. $3\frac{3}{5}$

C. $5\frac{5}{8}$

D. $4\frac{6}{7}$

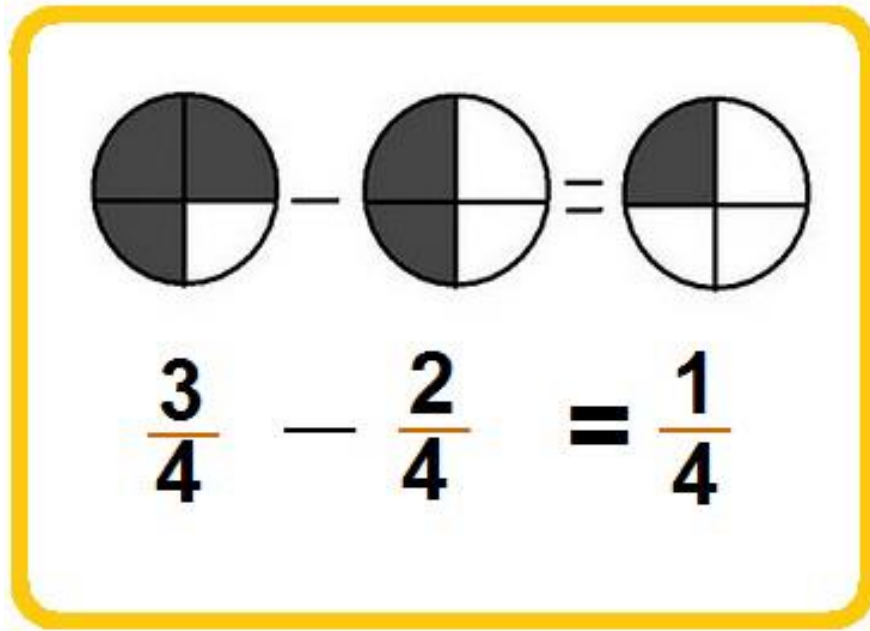
$$\frac{11}{12} - \frac{3}{4} = \frac{11}{12} - \frac{9}{12} = \frac{2}{12} =$$

$$5\frac{3}{4} - 1\frac{1}{8} = \frac{46}{8} - \frac{9}{8} =$$

$$5\frac{3}{4} - 1\frac{1}{8} = 5\frac{6}{8} - 1\frac{1}{8} =$$

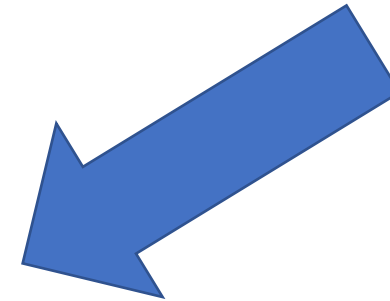
Subtraction of Fractions

When does this come in?



$$\begin{array}{r} \frac{7}{8} - \frac{3}{4} \\ \frac{3 \times 2}{4 \times 2} = \frac{6}{8} \\ \hline \frac{7}{8} - \frac{6}{8} = \frac{1}{8} \end{array}$$

Fractions with Unlike Denominators



$$\frac{3}{4} - \frac{1}{5}$$

A

Copy and complete.

$$1 \quad \frac{1}{2} + \frac{1}{6} = \frac{\square}{6} + \frac{1}{6} = \frac{\square}{6}$$

$$2 \quad \frac{2}{5} + \frac{3}{10} = \frac{\square}{10} + \frac{3}{10} = \frac{\square}{10}$$

$$3 \quad \frac{3}{4} - \frac{5}{12} = \frac{\square}{12} - \frac{5}{12} = \frac{\square}{12}$$

$$4 \quad \frac{1}{2} - \frac{1}{4} = \frac{\square}{4} - \frac{1}{4} = \frac{\square}{4}$$

Work out

$$5 \quad \frac{1}{6} + \frac{5}{12} \quad 13 \quad \frac{9}{10} - \frac{2}{5}$$

$$6 \quad \frac{2}{10} + \frac{1}{2} \quad 14 \quad \frac{1}{2} - \frac{1}{12}$$

$$7 \quad \frac{1}{12} + \frac{2}{3} \quad 15 \quad \frac{7}{12} - \frac{1}{4}$$

$$8 \quad \frac{23}{100} + \frac{4}{10} \quad 16 \quad \frac{5}{6} - \frac{1}{3}$$

$$9 \quad \frac{3}{12} + \frac{2}{6} \quad 17 \quad \frac{11}{12} - \frac{5}{6}$$

$$10 \quad \frac{1}{2} + \frac{1}{8} \quad 18 \quad \frac{3}{4} - \frac{1}{8}$$

$$11 \quad \frac{1}{3} + \frac{4}{9} \quad 19 \quad \frac{8}{10} - \frac{1}{2}$$

$$12 \quad \frac{5}{8} + \frac{1}{4} \quad 20 \quad \frac{7}{9} - \frac{2}{3}$$

L.O. Add and subtract fractions.**B**

Copy and complete.

$$1 \quad 4\frac{1}{3} + 2\frac{5}{12} = 6\frac{\square}{12} + \frac{5}{12} = 6\frac{\square}{12}$$

$$2 \quad 1\frac{1}{4} + 2\frac{3}{5} = 3\frac{\square}{20} + \frac{\square}{20} = 3\frac{\square}{20}$$

$$3 \quad 3\frac{1}{2} - 1\frac{3}{8} = 2\frac{\square}{8} - \frac{3}{8} = 2\frac{\square}{8}$$

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

Work out

$$5 \quad 5\frac{7}{10} + 1\frac{19}{100} \quad 13 \quad 3\frac{3}{4} - 2\frac{1}{12}$$

$$6 \quad 2\frac{1}{12} + 1\frac{5}{6} \quad 14 \quad 2\frac{2}{3} - 1\frac{1}{6}$$

$$7 \quad 1\frac{1}{2} + 4\frac{3}{10} \quad 15 \quad 4\frac{1}{2} - 2\frac{5}{12}$$

$$8 \quad 3\frac{2}{3} + 2\frac{1}{9} \quad 16 \quad 7\frac{57}{100} - 4\frac{2}{10}$$

$$9 \quad 4\frac{2}{5} + 1\frac{5}{6} \quad 17 \quad 3\frac{2}{5} - 1\frac{1}{2}$$

$$10 \quad 1\frac{3}{4} + 3\frac{2}{3} \quad 18 \quad 5\frac{5}{9} - 2\frac{1}{4}$$

$$11 \quad 2\frac{5}{8} + 4\frac{9}{10} \quad 19 \quad 6\frac{2}{3} - 1\frac{9}{10}$$

$$12 \quad 5\frac{4}{7} + 2\frac{1}{2} \quad 20 \quad 8\frac{7}{8} - 3\frac{3}{5}$$

C

Work out

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

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

3 $2\frac{4}{5} + 3\frac{5}{8}$

4 $6\frac{5}{9} + 2\frac{3}{4}$

5 $4\frac{2}{3} + 7\frac{6}{11}$

6 $9\frac{3}{4} + 5\frac{2}{7}$

7 $1\frac{7}{8} + 6\frac{1}{6}$

8 $7\frac{11}{12} + 2\frac{2}{5}$

9 $4\frac{1}{6} + 1\frac{3}{4}$

10 $5\frac{3}{10} - 3\frac{7}{12}$

11 $2\frac{3}{5} - 1\frac{2}{3}$

12 $8\frac{2}{7} - 4\frac{4}{5}$

13 $9\frac{1}{2} - 2\frac{8}{9}$

14 $6\frac{1}{4} - 3\frac{9}{10}$

15 $3\frac{2}{3} - 1\frac{6}{7}$

16 $7\frac{5}{12} - 2\frac{5}{8}$

Find six different fractions that could complete the statement:

$$\frac{1}{4} < \boxed{} < \frac{1}{3}$$

It is possible to make the number 42 by multiplying together three prime numbers. Find them.

Write $\frac{24}{32}$ in its simplest form. Explain how you used highest common factors to do this.

ANSWERS

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A

$1 \frac{4}{6}$

$2 \frac{7}{10}$

$3 \frac{4}{12}$

$4 \frac{1}{6}$

$5 \frac{7}{12}$

$6 \frac{7}{10}$

$7 \frac{9}{12}$

$8 \frac{63}{100}$

$9 \frac{7}{12}$

$10 \frac{5}{8}$

$11 \frac{7}{9}$

$12 \frac{7}{8}$

$13 \frac{5}{10}$

$14 \frac{5}{12}$

$15 \frac{4}{12}$

$16 \frac{3}{6}$

$17 \frac{1}{12}$

$18 \frac{5}{8}$

$19 \frac{3}{10}$

$20 \frac{1}{9}$

B

$1 6 \frac{9}{12}$

$2 3 \frac{17}{20}$

$3 2 \frac{1}{8}$

$4 1 \frac{4}{15}$

$5 6 \frac{89}{100}$

$6 3 \frac{11}{12}$

$7 5 \frac{8}{10}$

$8 5 \frac{7}{9}$

$9 6 \frac{7}{30}$

$10 5 \frac{5}{12}$

$11 7 \frac{21}{40}$

$12 8 \frac{1}{14}$

$13 1 \frac{8}{12}$

$14 1 \frac{3}{6}$

$15 2 \frac{1}{12}$

$16 3 \frac{37}{100}$

$17 1 \frac{9}{10}$

$18 3 \frac{11}{36}$

$19 4 \frac{23}{30}$

$20 5 \frac{11}{40}$

C

$1 7 \frac{3}{14}$

$2 10 \frac{4}{30}$

$3 6 \frac{17}{40}$

$4 9 \frac{11}{36}$

$5 12 \frac{7}{33}$

$6 15 \frac{1}{28}$

$7 8 \frac{1}{24}$

$8 10 \frac{19}{60}$

$9 5 \frac{11}{12}$

$10 1 \frac{43}{60}$

$11 \frac{14}{15}$

$12 3 \frac{17}{35}$

$13 6 \frac{11}{18}$

$14 2 \frac{7}{20}$

$15 1 \frac{17}{21}$

$16 4 \frac{19}{24}$