Name Answers Date

Fractions & Decimals – Fractions Word Problems – Add and Subtract

All of the following problems can be solved with either addition or subtraction.
Show your work. Reduce your final answers completely.

1:06

Add

1) Mary planted $\frac{3}{8}$ rows of onions and $\frac{11}{12}$ rows of turnips in a garden. How many rows of vegetables did Mary plant?

$\frac{3\times3}{8\times3} + \frac{11\times2}{12\times2}$ 24 can be used for denominator

$\frac{9}{24} + \frac{22}{24} =$ **$\frac{31}{24}$ or $1\frac{7}{24}$ rows**

5:24

Add

2) Nancy picked $\frac{1}{3}$ of a bucket of limes, while Alyssa picked $\frac{1}{12}$ and Joan picked $\frac{6}{7}$ of a bucket of limes. How many buckets did they pick total?

$\frac{1\times28}{3\times28} + \frac{1\times7}{12\times7} + \frac{6\times12}{7\times12}$ 84 works for the denominator

$\frac{28}{84} + \frac{7}{84} + \frac{72}{84} =$ **$\frac{107}{84}$ or $1\frac{23}{84}$ buckets**

11:11

Add

3) Dan ate $1\frac{7}{10}$ pizzas, while Fred ate $1\frac{1}{3}$ pizzas. How much pizza did they eat together?

$1\frac{7\times3}{10\times3} + 1\frac{1\times10}{3\times10}$

$1\frac{21}{30} + 1\frac{10}{30} = 2\frac{31}{30} =$ **$3\frac{1}{30}$ pizzas**

or **$\frac{91}{30}$**

14:50

Subtract

4) Mary wants to complete $4\frac{1}{6}$ crosswords today. She has already done $1\frac{5}{6}$ crosswords. What fraction of crosswords does Mary have left to finish?

$3\frac{7}{6} - 1\frac{5}{6} = 2\frac{2\div2}{6\div2}$

$= 2\frac{1}{3}$ crosswords or **$\frac{7}{3}$**

18:22

Subtract

5) A recipe called for $\frac{1}{5}$ of a cup of chopped tomatoes and $\frac{7}{12}$ of a cup of diced turnips. How many more cups of turnips did the recipe call for?

$\frac{7\times5}{12\times5} - \frac{1\times12}{5\times12}$

$\frac{35}{60} - \frac{12}{60} =$ **$\frac{23}{60}$ of a cup**

20:50

Add

6) Nancy did $\frac{2}{3}$ of a load of laundry on Sunday, $\frac{2}{9}$ of a load on Thursday, and $\frac{2}{5}$ of a load on Monday. How many loads of laundry did Nancy do on these three days?

$\frac{2\times15}{3\times15} + \frac{2\times5}{9\times5} + \frac{2\times9}{5\times9}$ 45 works as a common denominator

$\frac{30}{45} + \frac{10}{45} + \frac{18}{45} =$ **$\frac{58}{45}$ or $1\frac{13}{45}$ loads**

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Added

7) Mary read $1\frac{4}{11}$ books on Sunday, and $2\frac{1}{6}$ books on Friday. How many books did Mary read?

$1\frac{4\times6}{11\times6} + 2\frac{1\times11}{6\times11}$

$1\frac{24}{66} + 2\frac{11}{66} = \boxed{3\frac{35}{66} \text{ books}}$

Subtract

8) Tim picked $1\frac{3}{7}$ buckets of apples and Tom picked $2\frac{11}{12}$ buckets. How many more buckets did Tom pick?

$2\frac{11\times7}{12\times7} - 1\frac{3\times12}{7\times12}$

$2\frac{77}{84} - 1\frac{36}{84} = \boxed{1\frac{41}{84} \text{ buckets}}$

Subtract

9) Mary spends $3\frac{1}{10}$ hours reading and also spends $1\frac{3}{5}$ hours at the mall. How much less time does Mary spend at the mall compared to reading?

10 works as common denominator

$3\frac{1}{10} - 1\frac{3\times2}{5\times2}$

$2\frac{11}{10} - 1\frac{6}{10} = 1\frac{5}{10} = \boxed{1\frac{1}{2} \text{ hours}}$

Subtract

10) Tim's bench is $\frac{3}{10}$ of a foot tall, whereas Sally's bench is $\frac{1}{10}$ of a foot tall. How much taller is Tim's bench?

$\frac{3}{10} - \frac{1}{10} = \frac{2}{10} = \boxed{\frac{1}{5} \text{ of a foot}}$

Added

11) Sandy ate $\frac{1}{6}$ of a pumpkin, while Sally ate $\frac{5}{6}$ of a pumpkin. How much pumpkin did they eat together?

$\frac{1}{6} + \frac{5}{6} = \frac{6}{6} = \boxed{\frac{1}{1} \text{ or } 1 \text{ pumpkin}}$

Added

12) Sara bought $1\frac{1}{4}$ pounds of chicken and $1\frac{1}{10}$ pounds of sausage at the store. How many pounds of meat did Sara buy?

20 works as common denominator

$1\frac{1\times5}{4\times5} + 1\frac{1\times2}{10\times2}$

$1\frac{5}{20} + 1\frac{2}{20} = \boxed{2\frac{7}{20} \text{ pounds}}$