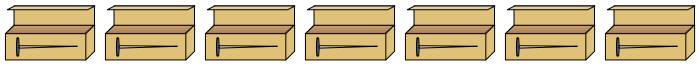
Redistributing Fractions

Name:

Solve each problem.

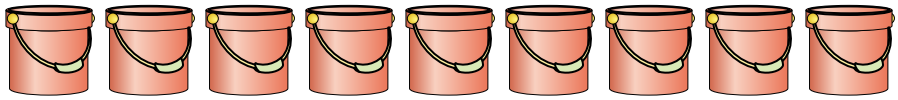
1) *A builder had several boxes of nails that were partially full.*



$\frac{3}{4}$ $\frac{1}{4}$ $\frac{2}{4}$ $\frac{2}{4}$ $\frac{2}{4}$ $\frac{3}{4}$ $\frac{2}{4}$

If he reorganized the nails so each box had the same quantity, how full would each box be?

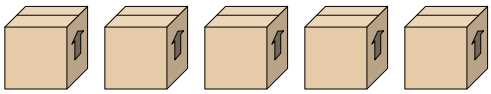
2) *The buckets below are filled partially with sand.*



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

If you wanted to make it so each bucket had the same amount, how much would each bucket be filled?

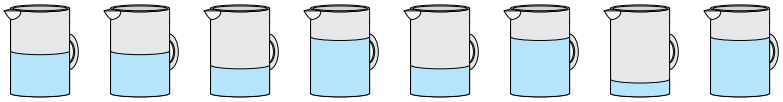
3) *Look at the weight of the boxes below.*



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

If you were to redistribute the material in the boxes so that each box had the same weight, how much would each weigh?

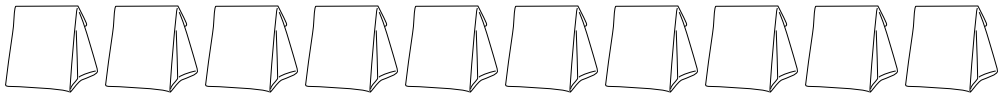
4) *The pitchers below have different amounts of water in them.*



$\frac{3}{6}$ $\frac{3}{6}$ $\frac{2}{6}$ $\frac{4}{6}$ $\frac{2}{6}$ $\frac{4}{6}$ $\frac{1}{6}$ $\frac{4}{6}$

If you were to redistribute the water so that each pitcher had the same amount, how much would be in each?

5) *The bags of candy below are fractions of a pound.*



$\frac{3}{5}$ $\frac{1}{5}$ $\frac{2}{5}$ $\frac{2}{5}$ $\frac{1}{5}$ $\frac{2}{5}$ $\frac{2}{5}$ $\frac{4}{5}$ $\frac{2}{5}$ $\frac{2}{5}$

If you were to redistribute the candy so that each bag had the same amount, how much would be in each?

Answers

1. _____
2. _____
3. _____
4. _____
5. _____

1-5	80	60	40	20	0

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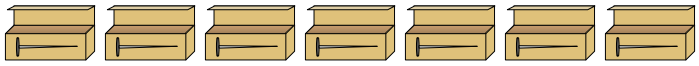

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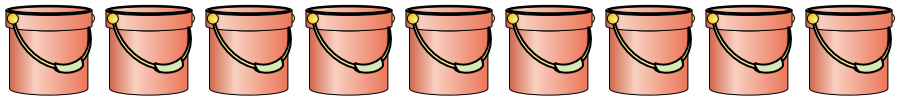

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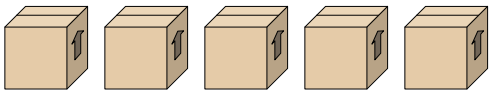

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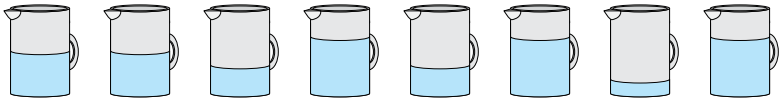

$\frac{3}{6}$ $\frac{3}{6}$ $\frac{2}{6}$ $\frac{4}{6}$ $\frac{2}{6}$ $\frac{4}{6}$ $\frac{1}{6}$ $\frac{4}{6}$

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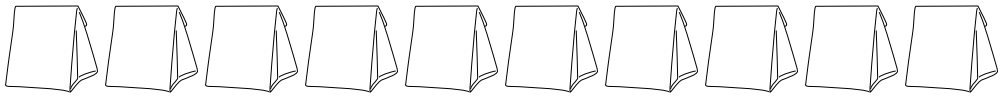

$\frac{3}{5}$ $\frac{1}{5}$ $\frac{2}{5}$ $\frac{2}{5}$ $\frac{1}{5}$ $\frac{2}{5}$ $\frac{2}{5}$ $\frac{4}{5}$ $\frac{2}{5}$ $\frac{2}{5}$

If you were to redistribute the candy so that each bag had the same amount, how much would be in each?

Answers

1. $\frac{15}{28}$
2. $\frac{30}{54} = \frac{5}{9}$
3. $\frac{17}{35}$
4. $\frac{23}{48}$
5. $\frac{21}{50}$