Redistributing Fractions

Name:

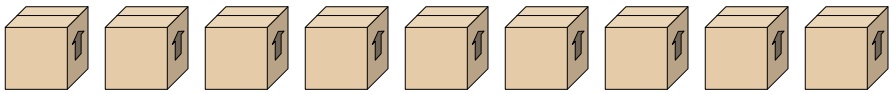
Solve each problem.

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

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

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

2) Look at the weight of the boxes below.



$\frac{6}{7}$ $\frac{2}{7}$ $\frac{1}{7}$ $\frac{1}{7}$ $\frac{5}{7}$ $\frac{1}{7}$ $\frac{6}{7}$ $\frac{3}{7}$ $\frac{5}{7}$

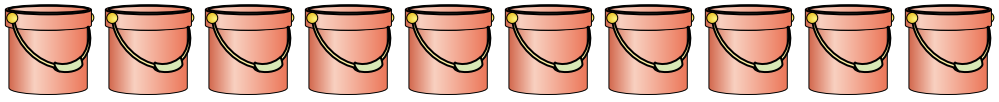
If you were to redistribute the material in the boxes so that each box had the same weight, how much would each weigh?

3) At a party, cups were filled with different amounts of soda.

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

If the soda had been poured into the cups evenly, how much would be in each cup?

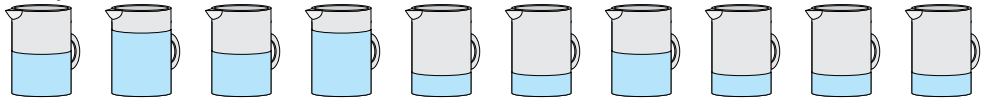
4) The buckets below are filled partially with sand.



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

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

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



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

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

Answers

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

1-5	80	60	40	20	0

Redistributing Fractions

Name: **Answer Key**

Solve each problem.

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

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

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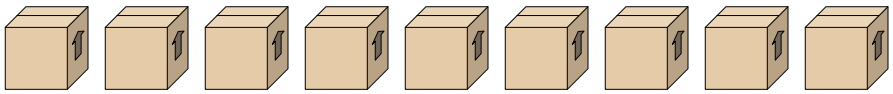

$\frac{6}{7}$ $\frac{2}{7}$ $\frac{1}{7}$ $\frac{1}{7}$ $\frac{5}{7}$ $\frac{1}{7}$ $\frac{6}{7}$ $\frac{3}{7}$ $\frac{5}{7}$

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

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If the soda had been poured into the cups evenly, how much would be in each cup?

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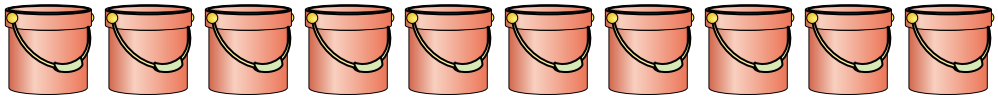

$\frac{2}{5}$ $\frac{3}{5}$ $\frac{3}{5}$ $\frac{2}{5}$ $\frac{1}{5}$ $\frac{1}{5}$ $\frac{3}{5}$ $\frac{3}{5}$ $\frac{3}{5}$ $\frac{2}{5}$

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

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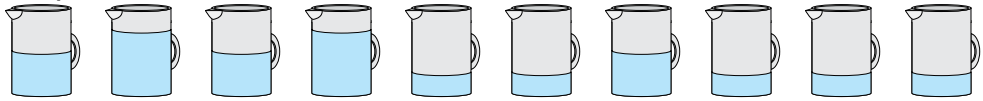

$\frac{2}{4}$ $\frac{3}{4}$ $\frac{2}{4}$ $\frac{3}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{2}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$

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

Answers

1. $\frac{7}{24}$
2. $\frac{30}{63} = \frac{10}{21}$
3. $\frac{11}{24}$
4. $\frac{23}{50}$
5. $\frac{17}{40}$