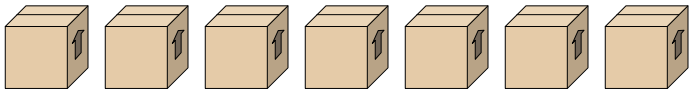
Redistributing Fractions

Name:

Solve each problem.

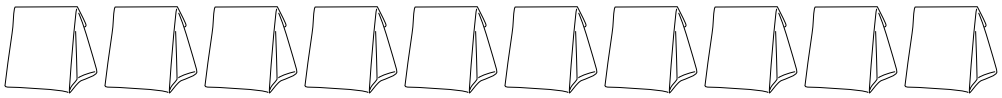
1) Look at the weight of the boxes below.



$\frac{3}{6}$ $\frac{3}{6}$ $\frac{4}{6}$ $\frac{5}{6}$ $\frac{3}{6}$ $\frac{4}{6}$ $\frac{3}{6}$

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

2) The bags of candy below are fractions of a pound.



$\frac{2}{8}$ $\frac{3}{8}$ $\frac{5}{8}$ $\frac{6}{8}$ $\frac{2}{8}$ $\frac{3}{8}$ $\frac{3}{8}$ $\frac{1}{8}$ $\frac{2}{8}$ $\frac{5}{8}$

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

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

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

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

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

$\frac{1}{6}$ $\frac{2}{6}$ $\frac{5}{6}$ $\frac{5}{6}$ $\frac{5}{6}$ $\frac{4}{6}$ $\frac{3}{6}$ $\frac{1}{6}$

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

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

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

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

Answers

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

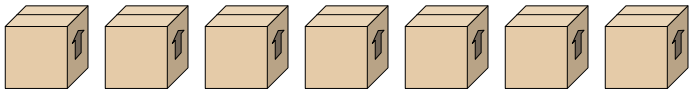
1-5	80	60	40	20	0

Redistributing Fractions

Name: **Answer Key**

Solve each problem.

1) Look at the weight of the boxes below.



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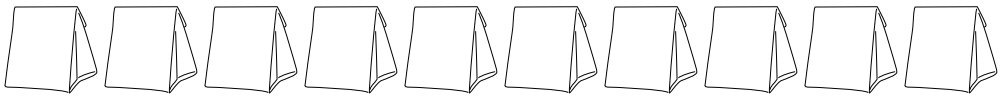

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If he reorganized the nails so each box had the same quantity, how full would each box be?

Answers

1. $\frac{25}{42}$
2. $\frac{32}{80} = \frac{2}{5}$
3. $\frac{20}{35} = \frac{4}{7}$
4. $\frac{26}{48} = \frac{13}{24}$
5. $\frac{16}{40} = \frac{2}{5}$