Comparing Ratios
Using Tables

Use tables to compare ratios. We can compare ratios in a table by looking to see where they have values in common and comparing the values that the number is paired up with. Or we can extend the table to find a position where this might occur.

1.) Caleb placed 5 beehives for every 2 acres on the peach orchard. Then he placed 8 beehives for every 3 acres on the apple orchard. Compare the ratios using tables to find which orchards have more bees per acre.

<table>
<thead>
<tr>
<th>Peaches</th>
<th>Apples</th>
</tr>
</thead>
<tbody>
<tr>
<td># of beehives</td>
<td># of acres</td>
</tr>
</tbody>
</table>

Which orchard has more bees per acre?

Explain.

_______________________________________________________________________________

2.) Jared, a beekeeper, placed 120 hives in apple orchards in New York where they produced 300 boxes of honey. He also had 100 hives in orange groves in Florida where they produced 280 boxes of honey. Use tables to compare the bee to honey producing ratio.

Which of Jared’s bees are producing more honey? _________________ How do you know?

_______________________________________________________________________________

3.) Older orchards need more hives per acre. Caleb has decided to place 6 hives for every 2 acres on an older peach orchard. Zeke, one of Caleb's workers, delivered 10 hives to a 30-acre peach orchard. Did Zeke follow Caleb’s decision? ________________________ Justify your answer using ratio tables.

How does the table prove your answer?

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