Problem Solving: Reasonable Answers

Tell whether each underlined statement is reasonable or unreasonable. Then solve.

1. Barry puts TVs on a 15-foot shelf in his electronics store. He allows $2\frac{1}{2}$ feet of space for each TV. He will be able to put 5.5 TVs on the shelf.

2. Jessica used different kinds of juice to make 5 quarts of punch. She used $1\frac{1}{4}$ quart of each kind of juice. So, she used 4 kinds of juice.

3. Kendall did 5 pages of homework in $\frac{3}{4}$ hour. She spent the same amount of time on each page. So, she spent $3\frac{3}{4}$ hours on each page.

4. Tomas needed equal-sized pieces of plywood. He was able to cut $3\frac{1}{3}$ pieces of the size he needed out of $2\frac{1}{2}$ feet of wood. So, each full piece was $\frac{3}{4}$ foot long.

5. Teri had two carpentry jobs to complete, and expected them each to take the same amount of time. She spent $1\frac{1}{2}$ hours doing $\frac{4}{5}$ of the first job. Teri decided that working at the same rate she could do the second job in 1 hour and 12 minutes.

6. Mike had $16\frac{3}{4}$ pages to read for his history assignment. He read $\frac{1}{2}$ of the pages on Monday and $\frac{1}{4}$ of what was left on Tuesday. He had about 6 pages left to read on Wednesday.