



Math Olympiad and Problem Solving Programs

F130 - Advanced Problem Solving

Problem Set 7.2 - Factors

Name:

Date:

1.

2.

3.

4.

5.

6.

7. $24 = 2^3 \times 3$ and $35 = 5 \times 7$

24 and 35 have no positive common factors greater than 1 so the only positive common factor is .

8.

9. The furniture shop sold all 56 cabinets for a total of $56 \times 350 = \$19600$.

The rest of the money, $32375 - 19600 = \$12775$, was the total for the 73 bookshelves.

So each bookshelf was $12775 \div 73 = \text{\$175}$.

10.