

HW 2.5 Average Cost

1. A pool supply company manufactures chlorine test kits. The kits have an expense equation of

$$E = 5.15x + 23500$$

What is the average cost per kit producing 3,000 test kits?

2. Martha and Bart earn the same wage at the local Dog and Burger Works. Last week the total of their pay before any deductions was \$120, and Martha worked twice as many hours as Bart. How much did each earn before deductions?

1. The fixed costs of producing Widgets are \$34,000. The variable costs are \$5.00 per Widget.
- Write an expense (cost) equation.

b. What is the average cost of producing 7,000 Widgets?

2. We want to build a set of shelves. The width of the set of shelves needs to be 4 times the height of the set of shelves and the set of shelves must have three shelves in it. If there are 72 feet of wood to use to build the set of shelves what should the dimensions of the set of shelves be?