

Numbers and Operations: Assembly Operator

Coretronics, Inc.

Job Description: Order and maintain sufficient parts to complete customer orders. Assemble and test print heads.

Problem:

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Solution:

1. $173 \text{ hammers in supply} \div 6 \text{ hammers per print head} = 28.83 \text{ print heads}$
Therefore, 28 print heads can be built with the hammers currently stocked.

2. $45 \text{ print heads} \times 6 \text{ hammers per print head} = 270 \text{ total hammers needed for entire order.}$

$270 \text{ total hammers needed} - 173 \text{ hammers in supply} = 97 \text{ hammers needed to complete the order.}$

This is an actual interview question. About 40% of applicants get it right.