

Exercise 03 – Part X requires machining on a milling machine (operations A and B are required). Find the number of machines required to produce 3,000 parts per week. Assume the company will be operating five days per week, 18 hours per day. The following information is known:

Operation	Standard Time	Efficiency	Reliability	Defect Rate
A	3 min	95%	95%	2%
B	5 min	95%	90%	5%

Note: The milling machine requires tool changes and preventive maintenance after every lot of 500 parts. These changes require 30 minutes.

Answer:

Milling Machine Exercise

Theron Josiah Palmeteer

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Milling Machines and Milling Practice D. De Vries,1910 **A Students' Manual for Machine Shop Practice** Clarence W. Hecox,1910 **Elementary Machine Shop Practice as Adapted to Its Teaching in Technical Schools** Theron Josiah Palmateer,1918 *Manual Training and Vocational Education* Charles Alpheus Bennett,William Thomas Bawden,1901 Manual Training Magazine Charles Alpheus Bennett,William Thomas Bawden,1913 **Engineering Fundamentals** Roger Timings,2007-06-07 Engineering Fundamentals is designed to meet the latest course requirements and brings together the essential material from Roger Timings previous engineering texts Fundamentals of Mechanical Engineering Fundamentals of Engineering Basic Engineering Technology and General Engineering A highly readable text is supported by numerous illustrations learning objectives and exercises at the end of each chapter making Engineering Fundamentals a complete student focused course that is ideal for classroom workshop and independent study

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