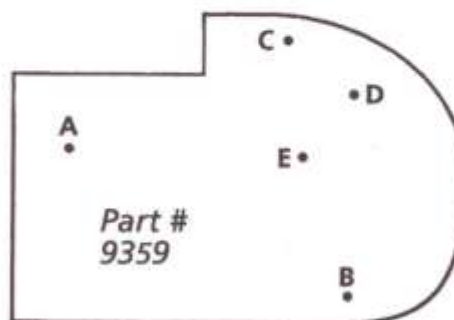


Drilling for Dollars

Heather's father is an engineer for a company that makes appliances. He wants Heather to be an engineer, too, so he keeps bringing her math challenges from his job. Heather would rather work as a journalist for a newspaper. Although she has no interest in becoming an engineer, she tries all of her dad's challenges because he doubles her allowance for the week whenever she gets one right.

This week's challenge is to reduce the amount of time that an automatic drilling machine takes to drill five holes in a plastic part. Right now, the computer-controlled drill follows path ABCEDA. Her dad says he's been asked to change the path to reduce the total distance the drill travels by at least 10%. By reducing the drilling time, the company will be able to complete more parts per hour. Can you solve Heather's challenge?

	E	D	C	B
A	85	111	96	116
B	53	70	96	
C	45	34		
D	32			



Choose one:

1. Draw the device that Part #9359 is a part of.
2. Draw a drilling machine that has escaped from the factory.
3. Write a letter from Heather to her father begging him to stop giving challenges.