Answer on Question #52562 – Math – Algebra

	Model A	Model B	Model C	Model D	Model E
Time to manufacture	15 minutes	18 minutes	13 minutes	20 minutes	17 minutes
% Of monitors sold per total products	75%	73%	84%	95%	81%
Cost per monitor	$175	$188	$145	$198	$170

A company manufactures computer monitors. Among the various models are top products, which bring high revenue.

Assuming the manufacturing lines are running for 9 hours a day for 7 days a week, which model brings in the highest revenue?

Solution

$$N = \frac{63*60}{t}$$

$$R = c * N * s$$

Model	A	B	C	D	E
Time to manufacture, t	15	18	13	20	17
Cost per 1, c	175	188	145	198	170
Produced in 63 hours, N	252	210	291	189	222
% Sold, s	75	73	84	95	81
Revenue, R	33075	28820	35444	35551	30569

Thus model D brings the highest revenue.