

Name : _____

Mixed Review

Sheet 3

Round your answer to two decimal places.

- 1) Richard was on his way to the airport from Times Square. He paid a cab fare of \$50.20 for 16.7 miles. How much would a passenger have to pay for traveling a distance of 21.5 miles from Times Square?

- 2) Thirty-seven workers took 90 days to construct the roof of a high-rise building. How many days will 20 workers take to c

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- 3) The hyperfocal leng
selected aperture. T
with an aperture set
shoots a picture wit

- 4) The real estate value
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footage of the hous
neighborhood inde

- 5) A chocolate manufacturing unit uses 400 machines to produce 70 million chocolate bars in 12 hours. If there are 480 machines in the unit, how many hours would it take to produce the same quantity of chocolates?

Mixed Review

Round your answer to two decimal places.

- 1) Richard was on his way to the airport from Times Square. He paid a cab fare of \$50.20 for 16.7 miles. How much would a passenger have to pay for traveling a distance of 21.5 miles from Times Square?

\$64.63

- 2) Thirty-seven workers took 90 days to construct the roof of a high-rise building. How many days will 20 workers take to do the same work?

166.5 days

- 3) The hyperfocal length of a camera is 10 feet. The depth of field is 6 feet at a selected aperture. The camera is focused on a subject 16 feet from the camera with an aperture set at $f/11$. How far from the camera should the subject be if the photographer shoots a picture with an aperture set at $f/22$?

6.03 feet

- 4) The real estate value index for a neighborhood is 100. The value index of a house in the neighborhood is 93. The value of the house is \$557,108. What is the value of a house in the neighborhood with an index of 108?

\$557,108

- 5) A chocolate manufacturing unit uses 400 machines to produce 70 million chocolate bars in 12 hours. If there are 480 machines in the unit, how many hours would it take to produce the same quantity of chocolates?

10 hours

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