Comparing Rates

Find each unit rate and determine which rate is greater.

1. 250 mi per 10 gal or 460 mi per 20 gal

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2. 1,000 words in 20 min or 2,475 words in 45 min

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3. 6 in. of rain in 4 h or 8 in. of rain in 5 h

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Find each unit price and determine which is a better buy.

4. 1 lb of apples for $2.15 or 3 lb of apples for $5.76

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5. 8 bungee cords for $10.00 or 20 bungee cords for $22.00

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6. 5 oz of insect repellant for $6.95 or 14 oz of insect repellant for $19.60

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7. Fritz earns $75.60 for each 7-h shift that he works. Which shift pays a higher hourly wage than the wage Fritz earns?

    A $60.30 for a 6-h shift

    B $80.00 for an 8-h shift

    C $36.30 for a 3-h shift

    D $40.40 for a 4-h shift

8. Writing to Explain Shaunda said that buying 4 towels for $17 was a better buy than buying 2 towels for $9. She found her answer by doubling the terms in the ratio $\frac{9}{2}$ and comparing the first terms in the ratios. Is she correct? Use unit prices to support your answer.

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