Name _____   Date _____

Equivalent Ratios

Determine if each pair of ratios or rates are equivalent. Explain your reasoning.

Two quantities are equivalent if they have a constant ratio or rate.

$$\frac{10 \text{ sandwiches}}{\$6} = \frac{5 \text{ sandwiches}}{\$3} \text{ and } \frac{20 \text{ sandwiches}}{\$12} = \frac{5 \text{ sandwiches}}{\$3}$$

So, $\frac{10 \text{ sandwiches}}{\$6} = \frac{20 \text{ sandwiches}}{\$12}$.

1. eating peanut butter and jelly sandwiches once every 5 days; eating 4 peanut butter and jelly sandwiches every 20 days

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2. 2 white kittens per litter; 10 white kittens per 4 litters

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3. 1 out of 3 cups of yogurt is strawberry; 4 out of 12 cups of yogurt is strawberry

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4. 8 hours of work for $60 pay; 40 hours of work for $300

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5. 166 miles driven on 4 gallons of gas; 322 miles driven on 11 gallons of gas

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6. 15 prints for $3; 60 prints for $9

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