Kuta Software - Infinite Grade 6 Math

Name_____
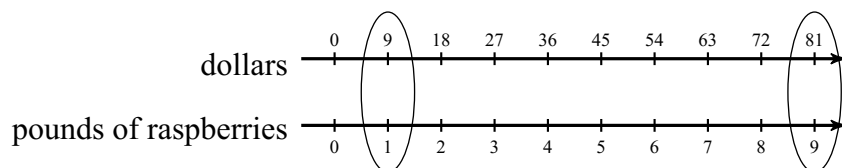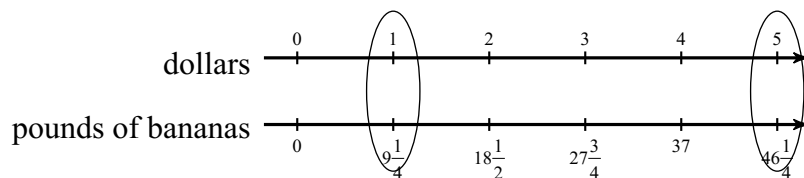
Unit Rates and Equivalent Rates

Date_____ Period____

Solve each problem. A double number line representing the equivalent rates is provided.

1) At a price of $9 per pound of raspberries, what is the cost of 9 pounds of raspberries?

dollars

| 0 | 9 | 18 | 27 | 36 | 45 | 54 | 63 | 72 | 81 |

pounds of raspberries

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

2) At a rate of $9\frac{1}{4}$ pounds of bananas per dollar, how many pounds of bananas can you buy for 5 dollars?

dollars

| 0 | 1 | 2 | 3 | 4 | 5 |

pounds of bananas

| 0 | $9\frac{1}{4}$ | $18\frac{1}{2}$ | $27\frac{3}{4}$ | 37 | $46\frac{1}{4}$ |

For each problem, sketch a double number line to represent the equivalent rates and then solve the problem.

3) At a price of $5 per pound of blueberries, what is the cost of 4 pounds of blueberries?

4) At a rate of 9 pounds of bananas per dollar, how many pounds of bananas can you buy for $8?
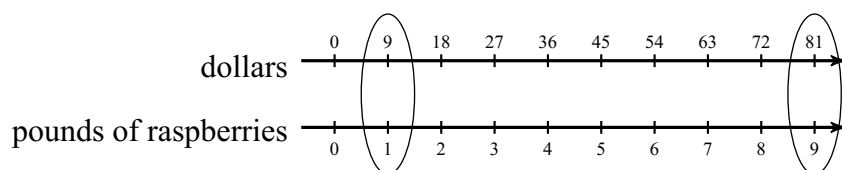
Solve each problem.

5) At a price of $6 per pound of blackberries, what is the cost of 5 pounds of blackberries?

6) At a rate of 4 pounds of bananas per dollar, how many pounds of bananas can you buy for $7?

7) At a constant speed of 5 miles per hour, how far will an electric scooter travel in 2 hours?

8) At a constant pace of 7 minutes per mile, how long will it take a moped to travel 3 miles?

9) An electric scooter travels 20 miles in 5 hours at a constant speed. What is the speed in miles per hour?

10) A moped travels 7 miles in 35 minutes at a constant speed. What is the pace in minutes per mile?

11) The cost of 9 pounds of blueberries is $72. At this rate, what is the cost of 7 pounds of blueberries?

12) An airplane travels 15 miles in 2 minutes at a constant speed. At this rate, how far will the airplane travel in 3 minutes?

Name_____

Unit Rates and Equivalent Rates

Date_____ Period_____

Solve each problem. A double number line representing the equivalent rates is provided.

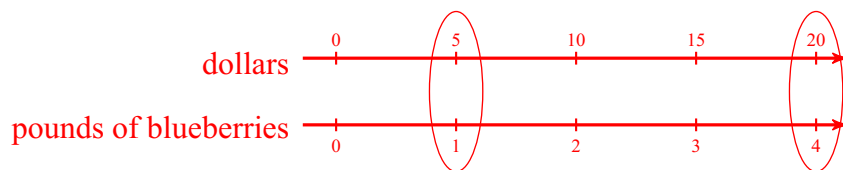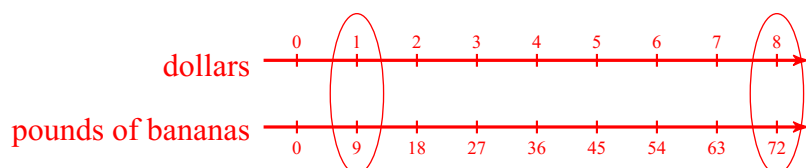1) At a price of $9 per pound of raspberries, what is the cost of 9 pounds of raspberries?

dollars

| 0 | 9 | 18 | 27 | 36 | 45 | 54 | 63 | 72 | 81 |

pounds of raspberries

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

$81

2) At a rate of $9\frac{1}{4}$ pounds of bananas per dollar, how many pounds of bananas can you buy for 5 dollars?

dollars

| 0 | 1 | 2 | 3 | 4 | 5 |

pounds of bananas

| 0 | $9\frac{1}{4}$ | $18\frac{1}{2}$ | $27\frac{3}{4}$ | 37 | $46\frac{1}{4}$ |
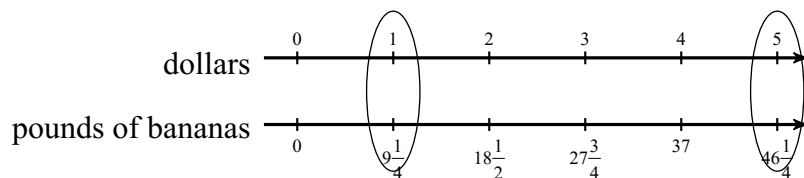
$46\frac{1}{4}$ pounds of bananas

For each problem, sketch a double number line to represent the equivalent rates and then solve the problem.

3) At a price of $5 per pound of blueberries, what is the cost of 4 pounds of blueberries?

dollars

| 0 | 5 | 10 | 15 | 20 |

pounds of blueberries

| 0 | 1 | 2 | 3 | 4 |

$20

4) At a rate of 9 pounds of bananas per dollar, how many pounds of bananas can you buy for $8?

dollars

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

pounds of bananas

| 0 | 9 | 18 | 27 | 36 | 45 | 54 | 63 | 72 |

72 pounds of bananas

Solve each problem.

5) At a price of $6 per pound of blackberries, what is the cost of 5 pounds of blackberries?

$30

6) At a rate of 4 pounds of bananas per dollar, how many pounds of bananas can you buy for $7?

28 pounds of bananas

7) At a constant speed of 5 miles per hour, how far will an electric scooter travel in 2 hours?

10 miles

8) At a constant pace of 7 minutes per mile, how long will it take a moped to travel 3 miles?

21 minutes

9) An electric scooter travels 20 miles in 5 hours at a constant speed. What is the speed in miles per hour?

4 miles per hour

10) A moped travels 7 miles in 35 minutes at a constant speed. What is the pace in minutes per mile?

5 minutes per mile

11) The cost of 9 pounds of blueberries is $72. At this rate, what is the cost of 7 pounds of blueberries?

$56

12) An airplane travels 15 miles in 2 minutes at a constant speed. At this rate, how far will the airplane travel in 3 minutes?

$22\frac{1}{2}$ miles