

Ratios, Rates, and Conversions Assignment

Find the value of the given segments in each case.

1. $FG : GH$ is $1 : 3$ and $FH = 12$, find FG and GH .

$FG =$ _____ ; $GH =$ _____

2. $PQ : QR$ is $5 : 2$ and $PR = 42$, find PQ and QR .

$PQ =$ _____ ; $QR =$ _____

3. $MN : NO$ is $4 : 7$ and $MO = 44$, find MN and NO .

$MN =$ _____ ; $QR =$ _____

Convert the given amount to the unit specified.

1. 5 liters to quarts

5 liters = _____ quarts

2. 15 pounds to grams

15 pounds = _____ grams

3. 60 feet to yards

60 feet = _____ yards

4. 60 minutes to seconds

60 minutes = _____ seconds

Identify the best deal in each question.

1. Deal 1: 4 cups for 3\$; Deal 2: 3 cups for 2\$

2. Deal 1: 10 pair of socks for 2\$; Deal 2: 4 pants for 8\$

3. Deal 1: 3 sandwiches for 8\$; Deal 2: 4 hotdogs for 8\$

Name: _____ Period: _____ Date: _____

Ratios, Rates, and Conversions Assignment

Find the unit rate in each case.

- 1. 4 pounds of red chilies cost 5\$.**

- 2. Randy travelled 348 miles in 6 hours.**

- 3. Adams painted 126 chairs in 14 hours.**

Ratios, Rates, and Conversions Assignment

Find the value of the given segments in each case.

1. $FG : GH$ is $1 : 3$ and $FH = 12$, find FG and GH .

$$FG = \underline{\quad 3 \quad} ; GH = \underline{\quad 9 \quad}$$

2. $PQ : QR$ is $5 : 2$ and $PR = 42$, find PQ and QR .

$$PQ = \underline{\quad 30 \quad} ; QR = \underline{\quad 12 \quad}$$

3. $MN : NO$ is $4 : 7$ and $MO = 44$, find MN and NO .

$$MN = \underline{\quad 16 \quad} ; NO = \underline{\quad 28 \quad}$$

Convert the given amount to the unit specified.

1. 5 liters to quarts

$$5 \text{ liters} = \underline{\quad 5.3 \quad} \text{ quarts}$$

2. 15 pounds to grams

$$15 \text{ pounds} = \underline{\quad 6803.85 \quad} \text{ grams}$$

3. 60 feet to yards

$$60 \text{ feet} = \underline{\quad 20 \quad} \text{ yards}$$

4. 60 minutes to seconds

$$60 \text{ minutes} = \underline{\quad 3600 \quad} \text{ seconds}$$

Identify the best deal in each question.

1. Deal 1: 4 cups for 3\$; Deal 2: 3 cups for 2\$

$$\underline{\quad \text{Deal 2} \quad}$$

2. Deal 1: 10 pair of socks for 2\$; Deal 2: 4 pants for 8\$

$$\underline{\quad \text{Deal 1} \quad}$$

3. Deal 1: 3 sandwiches for 8\$; Deal 2: 4 hotdogs for 8\$

$$\underline{\quad \text{Deal 2} \quad}$$

Name: _____ Period: _____ Date: _____

Ratios, Rates, and Conversions Assignment

Find the unit rate in each case.

1. 4 pounds of red chilies cost 5\$.

_____ **0.8\$/pounds** _____

2. Randy travelled 348 miles in 6 hours.

_____ **58 miles/hour** _____

3. Adams painted 126 chairs in 14 hours.

_____ **9 chairs/hour** _____