Name _____   Date_____

Fraction Multiplication and the Product of Decimals

Use estimation or fraction multiplication to determine if your answer is reasonable.

1. Calculate the product: 78.93×32.45.

2. Paint costs $29.95 per gallon. Nikki needs 12.25 gallons to complete a painting project. How much will Nikki spend on paint? Remember to round to the nearest penny.

Solve each problem. Remember to round to the nearest penny when necessary.

1. Calculate the product: 45.67×32.58.

2. Deprina buys a large cup of coffee for $4.70 on her way to work every day. If there are 24 work days in the month, how much does Deprina spend on coffee throughout the entire month?

3. Krego earns $2,456.75 every month. He also earns an extra $4.75 every time he sells a new gym membership. Last month, Krego sold 32 new gym memberships. How much money did Krego earn last month?

4. Kendra just bought a new house and needs to buy new sod for her backyard. If the dimensions of her yard are 24.6 feet by 14.8 feet, what is the area of her yard?

1. Calculate the product: 78.93×32.45.

   $2,561.2785$

2. Paint costs $\$29.95$ per gallon. Nikki needs 12.25 gallons to complete a painting project. How much will Nikki spend on paint? Remember to round to the nearest penny.

   Nikki would spend $\$366.89$ *on paint to complete her project.*

Solve each problem. Remember to round to the nearest penny when necessary.

1. Calculate the product: 45.67×32.58.

   $1,487.9286$

2. Deprina buys a large cup of coffee for $\$4.70$ on her way to work every day. If there are 24 work days in the month, how much does Deprina spend on coffee throughout the entire month?

   $4.70 \times 24 = 112.80$

   Deprina would spend $\$112.80$ *a month on coffee.*

3. Krego earns $\$2,456.75$ every month. He also earns an extra $\$4.75$ every time he sells a new gym membership. Last month, Krego sold 32 new gym memberships. How much money did Krego earn last month?

   $2,456.75 + (4.75 \times 32) = 2,608.75$

   Krego earned $\$2,608.75$ *last month.*

4. Kendra just bought a new house and needs to buy new sod for her backyard. If the dimensions of her yard are 24.6 feet by 14.8 feet, what is the area of her yard?

   $24.6 \times 14.8 = 364.08$

   The area of Kendra's yard is 364.08 *square feet.*