Name _____

LESSON 16.3
More Practice/ Homework

ONLINE
Video Tutorials and Interactive Examples

Represent Multiplication of a Fraction by a Whole Number

1 MP **Use Repeated Reasoning** For a science project, Oliver uses $\frac{5}{8}$ ounce of plaster powder to make a cast of an animal footprint. How many ounces of plaster powder does he use to make 7 casts?

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2 **Open Ended** Write and solve a story problem that can be modeled by the equation $11 \times \frac{2}{5} = n$.

_____

3 **STEM** When first born, a wolf pup weighs about $\frac{3}{4}$ pound. One mother wolf has 5 pups and another has 6 pups. About how many pounds do all the pups weigh? Explain how you know.

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4 **Math on the Spot** Patty has 2 cups of warm water. Is that enough water to make 4 batches of sidewalk chalk? Explain how you know without finding the exact product.

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Sidewalk Chalk Recipe

$\frac{3}{4}$ cup warm water

$1\frac{1}{2}$ cups plaster of Paris

$2\frac{2}{3}$ tablespoons powdered paint

Find the product. Write your answer as a fraction.

5 $8 \times \frac{7}{10} =$ _____

6 $7 \times \frac{3}{5} =$ _____

7 $6 \times \frac{2}{3} =$ _____

8 $3 \times \frac{7}{8} =$ _____

9 $4 \times \frac{3}{10} =$ _____

10 $5 \times \frac{3}{2} =$ _____

Test Prep

11 Alicia uses $\frac{7}{8}$ gallon of water for each batch of pottery clay she mixes. How many gallons of water does she use for 9 batches of pottery clay?

Ⓐ $\frac{79}{8}$ gallons
Ⓒ $\frac{16}{8}$ gallons
Ⓑ $\frac{63}{8}$ gallons
Ⓓ $\frac{63}{72}$ gallon

12 Frank cuts a board into equal-sized pieces that are $\frac{3}{4}$ foot long. If he was able to cut exactly 8 pieces from the board with nothing left over, how long was the board?

Ⓐ $\frac{24}{32}$ foot
Ⓒ $\frac{24}{4}$ feet
Ⓑ $\frac{11}{4}$ feet
Ⓓ $\frac{32}{4}$ feet

13 Charlene collects rainwater to water her indoor plants. Each of her collection containers holds $\frac{11}{12}$ gallon of water. How much water can she collect with 8 containers?

Ⓐ $\frac{3}{12}$ gallon
Ⓒ $\frac{19}{12}$ gallons
Ⓑ $\frac{88}{96}$ gallon
Ⓓ $\frac{88}{12}$ gallons

Spiral Review

14 Are the fractions $\frac{3}{4}$ and $\frac{6}{8}$ equivalent? How do you know?

_____

_____

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15 Generate two equivalent fractions for the given fraction.

$$\frac{10}{12} = \frac{\square}{\square} = \frac{\square}{\square}$$