# Math Practice - Grade 4

## M9 Multiply a fraction by a whole number - Fraction word problems

M9 4.NF.B.4, 4.NF.B.4a, 4.NF.B.4b, 4.NF.B.4c

Name: _____ Date: _____

Read the story. Write the multiplication and the answer.

**Example: Each person eats 2/3 of a pound of roast beef. There are 7 people. How many pounds of roast beef are needed?**

How: Count how many groups there are and how much is in one group. Multiply the whole number by the fraction.

$7 \times \frac{2}{3} = \frac{4}{2}{3}$

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**1** **Each bag holds 3/5 pound of flour. Lily buys 4 bags. How many pounds of flour does Lily buy in all?**

$4 \times \frac{3}{5} = \frac{\square}{\square}$

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**2** **Each bottle holds 4/7 liter of juice. Liam pours 8 bottles. How many liters of juice is that in all?**

$8 \times \frac{4}{7} = \frac{\square}{\square}$

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**3** **Each bag holds 1/12 pound of flour. Lily buys 2 bags. How many pounds of flour does Lily buy in all?**

$2 \times \frac{1}{12} = \frac{\square}{\square}$

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M9 4.NF.B.4, 4.NF.B.4a, 4.NF.B.4b, 4.NF.B.4c

Name: _____ Date: _____

Read the story. Write the multiplication and the answer.

**Example: Each bottle holds 1/9 liter of juice. Mia pours 7 bottles. How many liters of juice is that in all?**

How: Count how many groups there are and how much is in one group. Multiply the whole number by the fraction.

$7 \times \frac{1}{9} = \frac{7}{9}$

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**1** **Each piece of ribbon is 2/4 yard long. Owen cuts 6 pieces. How many yards of ribbon is that in all?**

$6 \times \frac{2}{4} = \square$

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**2** **Each bag holds 1/8 pound of flour. Ella buys 7 bags. How many pounds of flour does Ella buy in all?**

$7 \times \frac{1}{8} = \frac{\square}{\square}$

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**3** **Each piece of ribbon is 5/9 yard long. Liam cuts 7 pieces. How many yards of ribbon is that in all?**

$7 \times \frac{5}{9} = \square\frac{\square}{\square}$

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## M9 Multiply a fraction by a whole number - Fraction word problems

M9 4.NF.B.4, 4.NF.B.4a, 4.NF.B.4b, 4.NF.B.4c

Name: _____ Date: _____

Read the story. Write the multiplication and the answer.

**Example: Each piece of ribbon is 1/2 yard long. Ella cuts 2 pieces. How many yards of ribbon is that in all?**

How: Count how many groups there are and how much is in one group. Multiply the whole number by the fraction.

$2 \times \frac{1}{2} =$ 1

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**1** **Each piece of ribbon is 2/7 yard long. Ruby cuts 8 pieces. How many yards of ribbon is that in all?**

$8 \times \frac{2}{7} = \frac{\square}{\square}$

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**2** **Each bottle holds 2/4 liter of juice. Liam pours 4 bottles. How many liters of juice is that in all?**

$4 \times \frac{2}{4} = \square$

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**3** **Each bottle holds 6/8 liter of juice. Ben pours 4 bottles. How many liters of juice is that in all?**

$4 \times \frac{6}{8} = \square$