

Name \_\_\_\_\_

## Multiply Mixed Numbers

**COMMON CORE STANDARD** CC.5.NF.6

Apply and extend previous understandings of multiplication and division to multiply and divide fractions.

Find the product. Write the product in simplest form.

1.  $1\frac{2}{3} \times 4\frac{2}{5}$

2.  $1\frac{1}{7} \times 1\frac{3}{4}$

3.  $8\frac{1}{3} \times \frac{3}{5}$

4.  $2\frac{5}{8} \times 1\frac{2}{3}$

$$\begin{aligned} 1\frac{2}{3} \times 4\frac{2}{5} &= \frac{5}{3} \times \frac{22}{5} \\ &= \frac{110}{15} = \frac{22}{3} \\ &= 7\frac{1}{3} \end{aligned}$$

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5.  $5\frac{1}{2} \times 3\frac{1}{3}$

6.  $7\frac{1}{5} \times 2\frac{1}{6}$

7.  $\frac{2}{3} \times 4\frac{1}{5}$

8.  $2\frac{2}{5} \times 1\frac{1}{4}$

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Use the Distributive Property to find the product.

9.  $4\frac{2}{5} \times 10$

10.  $26 \times 2\frac{1}{2}$

11.  $6 \times 3\frac{2}{3}$

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## Problem Solving



12. Jake can carry  $6\frac{1}{4}$  pounds of wood in from the barn. His father can carry  $1\frac{5}{7}$  times as much as Jake. How many pounds can Jake's father carry?

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13. A glass can hold  $3\frac{1}{3}$  cups of water. A bowl can hold  $2\frac{3}{5}$  times the amount in the glass. How many cups can a bowl hold?

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### Lesson Check (CC.5.NF.6)

- A vet weighs two puppies. The small puppy weighs  $4\frac{1}{2}$  pounds. The large puppy weighs  $4\frac{2}{3}$  times as much as the small puppy. How much does the large puppy weigh?
  - $16\frac{1}{6}$  pounds
  - 19 pounds
  - 21 pounds
  - 25 pounds
- Becky lives  $5\frac{5}{8}$  miles from school. Steve lives  $1\frac{5}{9}$  times as far from school as Becky. How far does Steve live from school?
  - 12 miles
  - $8\frac{3}{4}$  miles
  - 6 miles
  - $5\frac{3}{16}$  miles

### Spiral Review (CC.5.OA.2, CC.5.NBT.6, CC.5.NF.1, CC.5.NF.2)

- Craig scored 12 points in a game. Marla scored twice as many points as Craig but 5 fewer points than Nelson scored. How many points did Nelson score? (Lesson 1.10)
  - $2 \times 12 + 5$
  - $2 \times 12 - 5$
  - $\frac{1}{2} \times 12 + 5$
  - $2 \times (12 + 5)$
- Yvette earned \$66.00 for 8 hours of work. Lizbeth earned \$68.80 working the same amount of time. How much more per hour did Lizbeth earn than Yvette earned? (Lesson 5.4)
  - \$0.35
  - \$0.45
  - \$2.80
  - \$8.25
- What is the least common denominator of the four fractions listed below? (Lesson 6.4)
 
$$20\frac{7}{10} \quad 20\frac{3}{4} \quad 18\frac{9}{10} \quad 20\frac{18}{25}$$
  - 2
  - 40
  - 50
  - 100
- Three girls searched for geodes in the desert. Corinne collected  $11\frac{1}{8}$  pounds, Ellen collected  $4\frac{5}{8}$  pounds, and Leonda collected  $3\frac{3}{4}$  pounds. How much more did Corinne collect than the other two girls combined? (Lesson 6.6)
  - $2\frac{1}{2}$  pounds
  - $2\frac{3}{4}$  pounds
  - $2\frac{7}{8}$  pounds
  - $3\frac{3}{4}$  pounds