



# Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.NS.A.1 - Worksheet #32572

**Name:** \_\_\_\_\_**Standard: CCSS.Math.Content.6.NS.A.1**

Description: Interpret and compute quotients of fractions, and solve word problems involving division of fractions by fractions, e.g., by using visual fraction models and equations to represent the problem. For example, create a story context for  $(2/3) \div (3/4)$  and use a visual fraction model to show the quotient; use the relationship between multiplication and division to explain that  $(2/3) \div (3/4) = 8/9$  because  $3/4$  of  $8/9$  is  $2/3$ . (In general,  $(a/b) \div (c/d) = ad/bc$ .) How much chocolate will each person get if 3 people share  $1/2$  lb of chocolate equally? How many  $3/4$ -cup servings are in  $2/3$  of a cup of yogurt? How wide is a rectangular strip of land with length  $3/4$  mi and area  $1/2$  square mi? Compute fluently with multi-digit numbers and find common factors and multiples.

## Divide Mixed Number by Improper Fractions:

**1.**

$$3 \frac{18}{5} \div \frac{18}{5} =$$

**6.**

$$4 \frac{10}{11} \div \frac{10}{11} =$$

**2.**

$$2 \frac{19}{19} \div \frac{19}{5} =$$

**7.**

$$8 \frac{5}{10} \div \frac{5}{2} =$$

**3.**

$$2 \frac{14}{6} \div \frac{14}{12} =$$

**8.**

$$3 \frac{20}{8} \div \frac{20}{5} =$$

**4.**

$$2 \frac{5}{4} \div \frac{5}{3} =$$

**9.**

$$5 \frac{12}{11} \div \frac{12}{3} =$$

**5.**

$$17 \frac{8}{19} \div \frac{8}{2} =$$

**10.**

$$3 \frac{9}{8} \div \frac{9}{5} =$$

Printable #: 32572-CCSS.Math.Content.6.NS.A.1

Copyright 2013-2015 by Internet4Classrooms Corporation. All Rights Reserved. For more Common Core Resources: [https://www.internet4classrooms.com/common\\_core](https://www.internet4classrooms.com/common_core)

1. This may be printed and reproduced by teachers, parents and students for classroom or homework usage.

2. It is acceptable to link to this page on other websites and in emails using the title above and the following URL:

[https://www.internet4classrooms.com/printables/common\\_core/math\\_mathematics\\_6th\\_sixth\\_grade/32572-CCSS.Math.Content.6.NS.A.1.htm](https://www.internet4classrooms.com/printables/common_core/math_mathematics_6th_sixth_grade/32572-CCSS.Math.Content.6.NS.A.1.htm) or simply: <http://i4c.xyz/y85mzbrk>.

3. This image and data thereon may not be sold, published online or in print by anyone else.

