



UNIT 2 – Interactive Notebook

2-1 Dividing Fractions

Name:

Date:

Common Core Standards

CCSS.MATH.CONTENT.6.NS.A.1

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.

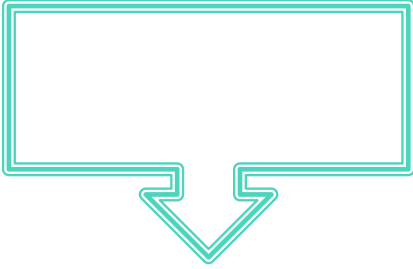
2-1 Dividing Fractions

	$\frac{3}{4} \div \frac{5}{8}$	
Step 1:	To divide fraction first write the reciprocal of the divisor.	$\frac{5}{8} = \frac{8}{5}$
Step 2:	Write the division problem as a multiplication problem. Multiply the dividend by the reciprocal of the divisor.	$\frac{3}{4} * \frac{8}{5}$
Step 3:	Multiply the fractions.	$\frac{3}{4} * \frac{8}{5} = \frac{3 * 4 * 2}{4 * 5}$ $\frac{3}{4} * \frac{8}{1} = \frac{6}{5}$
Step 4:	Write the product in simplest form	$\frac{6}{5} = 1\frac{1}{5}$

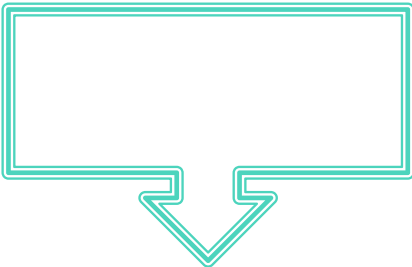
Problem 1:

$$\frac{2}{7} \div \frac{3}{28}$$

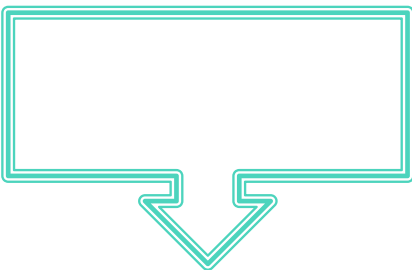
Step 1:

A rectangular box with a double-line border, containing a large downward-pointing arrow shape at the bottom, indicating the next step.

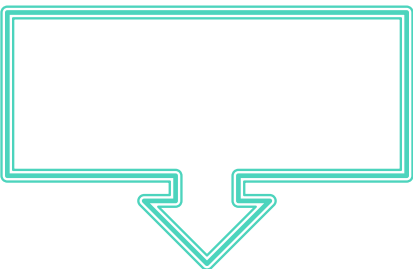
Step 2:

A rectangular box with a double-line border, containing a large downward-pointing arrow shape at the bottom, indicating the next step.

Step 3:

A rectangular box with a double-line border, containing a large downward-pointing arrow shape at the bottom, indicating the next step.

Step 4:

A rectangular box with a double-line border, containing a large downward-pointing arrow shape at the bottom, indicating the next step.

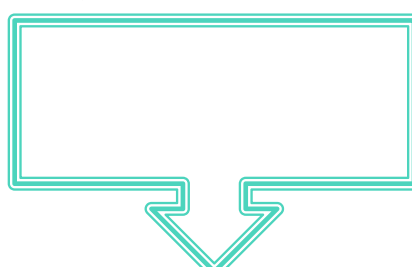
Problem 2:

$$\frac{4}{6} \div \frac{5}{18}$$

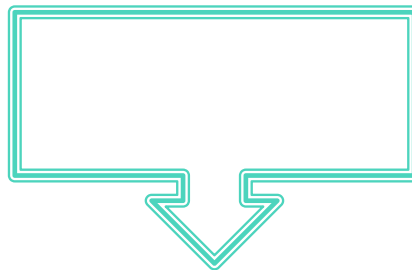
Step 1:

A rectangular box with a double-line border, containing a large downward-pointing arrow shape at the bottom, indicating the next step.

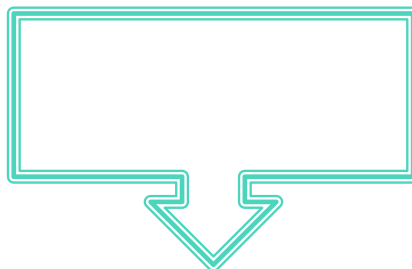
Step 2:

A rectangular box with a double-line border, containing a large downward-pointing arrow shape at the bottom, indicating the next step.

Step 3:

A rectangular box with a double-line border, containing a large downward-pointing arrow shape at the bottom, indicating the next step.

Step 4:

A rectangular box with a double-line border, containing a large downward-pointing arrow shape at the bottom, indicating the next step.

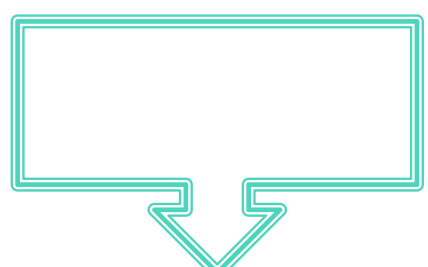
Problem 3:

$$\frac{8}{11} \div \frac{2}{33}$$

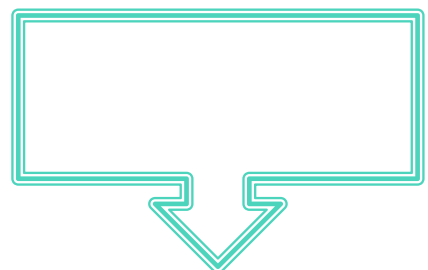
Step 1:

A rectangular box with a double-line border, containing a large downward-pointing arrow shape at the bottom, indicating the next step.

Step 2:

A rectangular box with a double-line border, containing a large downward-pointing arrow shape at the bottom, indicating the next step.

Step 3:

A rectangular box with a double-line border, containing a large downward-pointing arrow shape at the bottom, indicating the next step.

Step 4:

A rectangular box with a double-line border, containing a large downward-pointing arrow shape at the bottom, indicating the next step.

Task Cards

Match the pink card with the blue card.

1.

$$\frac{3}{64} \div \frac{2}{8}$$

a.

$$\frac{2}{3}$$

2.

How many $\frac{2}{7}$ pound meals can be made from $\frac{6}{7}$ pounds of ground beef?

b.

$$\frac{3}{16}$$

3.

$$\frac{5}{6} \div \frac{15}{12}$$

c.

$$3$$

Task Cards

4.

$$\frac{7}{11} \div \frac{49}{22}$$

d.

21

5.

How many $\frac{1}{2}$ cup servings are in a package of cheese that contains $5\frac{1}{4}$ cups altogether?

e.

2
 $\frac{2}{7}$

6.

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

f.

2

Task Cards

7.

$$\frac{13}{24} \div \frac{26}{8}$$

g.

$$\frac{7}{8}$$

8.

How many units of $\frac{2}{7}$ can you see in $\frac{1}{4}$?

h.

$$\frac{2}{9}$$

9.

$$\frac{4}{15} \div \frac{6}{5}$$

i.

$$\frac{1}{6}$$

ANSWER KEY

Problem 1 $\frac{2}{7} \div \frac{3}{28} = 2\frac{2}{3}$

Problem 2 $\frac{4}{6} \div \frac{5}{8} = 2\frac{2}{5}$

Problem 3 $\frac{8}{11} \div \frac{2}{33} = 12$

Task Cards

- | | |
|----|----|
| 1. | b. |
| 2. | c. |
| 3. | a. |
| 4. | e. |
| 5. | d. |
| 6. | f. |
| 7. | i. |
| 8. | g. |
| 9. | h. |