

Eureka Math™

Exit Ticket Packet

Grade 6

Module 2

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Printed in the U.S.A.

This book may be purchased from the publisher at eureka-math.org

10 9 8 7 6 5 4 3

ISBN 978-1-63255-505-2



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Name _____

Date _____

Lesson 1: Interpreting Division of a Fraction by a Whole

Number—Visual Models

Exit Ticket

Write an equivalent multiplication expression. Then, find the quotient in its simplest form. Use a model to support your response.

1. $\frac{1}{4} \div 2$

2. $\frac{2}{3} \div 6$

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Lesson 2: Interpreting Division of a Whole Number by a Fraction—Visual Models

Exit Ticket

Solve each division problem using a model.

1. Henry bought 4 pies, which he plans to share with a group of his friends. If there is exactly enough to give each member of the group one-sixth of a pie, how many people are in the group?

2. Rachel finished $\frac{3}{4}$ of the race in 6 hours. How long was the entire race?

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Lesson 3: Interpreting and Computing Division of a Fraction by a Fraction—More Models

Exit Ticket

Find the quotient. Draw a model to support your solution.

1. $\frac{9}{4} \div \frac{3}{4}$

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

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Lesson 4: Interpreting and Computing Division of a Fraction by a Fraction—More Models

Exit Ticket

Calculate each quotient. If needed, draw a model.

1. $\frac{9}{4} \div \frac{3}{8}$

2. $\frac{3}{5} \div \frac{2}{3}$

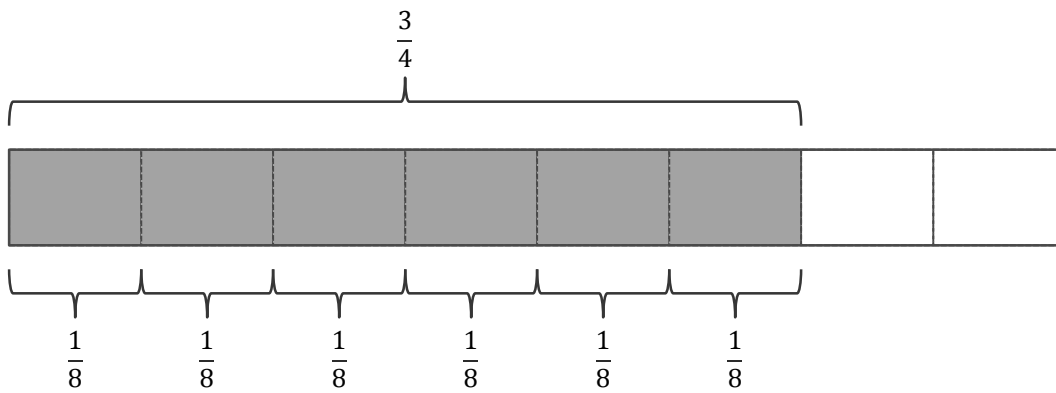
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Lesson 5: Creating Division Stories

Exit Ticket

Write a story problem using the measurement interpretation of division for the following: $\frac{3}{4} \div \frac{1}{8} = 6$.



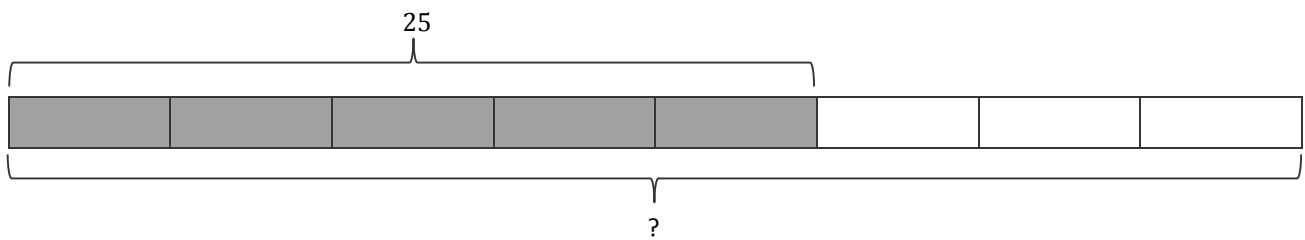
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Lesson 6: More Division Stories

Exit Ticket

Write a story problem using the partitive interpretation of division for the following: $25 \div \frac{5}{8} = 40$.



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Lesson 7: The Relationship Between Visual Fraction Models and Equations

Exit Ticket

1. Write the reciprocal of the following numbers.

Number	$\frac{7}{10}$	$\frac{1}{2}$	5
Reciprocal			

2. Rewrite this division expression as an equivalent multiplication expression: $\frac{5}{8} \div \frac{2}{3}$.

3. Solve Problem 2. Draw a model to support your solution.

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Lesson 8: Dividing Fractions and Mixed Numbers

Exit Ticket

Calculate the quotient.

1. $\frac{3}{4} \div 5\frac{1}{5}$

2. $\frac{3}{7} \div 2\frac{1}{2}$

3. $\frac{5}{8} \div 6\frac{5}{6}$

4. $\frac{5}{8} \div 8\frac{3}{10}$

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Lesson 9: Sums and Differences of Decimals

Exit Ticket

Solve each problem. Show that the placement of the decimal is correct through either estimation or fraction calculation.

1. $382\frac{3}{10} - 191\frac{87}{100}$

2. $594\frac{7}{25} + 89\frac{37}{100}$

Name _____

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Lesson 10: The Distributive Property and the Products of Decimals

Exit Ticket

Complete the problem using partial products.

$$500 \times 12.7$$

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Lesson 11: Fraction Multiplication and the Products of Decimals

Exit Ticket

Use estimation or fraction multiplication to determine if your answer is reasonable.

1. Calculate the product. 78.93×32.45

2. Paint costs \$29.95 per gallon. Nikki needs 12.25 gallons to complete a painting project. How much will Nikki spend on paint? Remember to round to the nearest penny.

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Lesson 12: Estimating Digits in a Quotient

Exit Ticket

Round to estimate the quotient. Then, compute the quotient using a calculator, and compare the estimation to the quotient.

1. $4,732 \div 13$

2. $22,752 \div 16$

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Lesson 13: Dividing Multi-Digit Numbers Using the Algorithm

Exit Ticket

Divide using the division algorithm: $392,196 \div 87$.

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Lesson 14: The Division Algorithm—Converting Decimal Division into Whole Number Division Using Fractions

Exit Ticket

Estimate quotients. Convert decimal division expressions to fractional division expressions to create whole number divisors. Compute the quotient using the division algorithm. Check your work with a calculator and your estimate.

1. Lisa purchased almonds for \$3.50 per pound. She spent a total of \$24.50. How many pounds of almonds did she purchase?

2. Divide: $125.01 \div 5.4$.

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Lesson 15: The Division Algorithm—Converting Decimal Division into Whole Number Division Using Mental Math

Exit Ticket

Evaluate the expression using mental math techniques and the division algorithm. Explain your reasoning.

$$18.75 \div 2.5$$

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Lesson 16: Even and Odd Numbers

Exit Ticket

Determine whether each sum or product is even or odd. Explain your reasoning.

1. $56,426 + 17,895$

2. $317,362 \times 129,324$

3. $10,481 + 4,569$

4. $32,457 \times 12,781$

5. Show or explain why $12 + 13 + 14 + 15 + 16$ results in an even sum.

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Lesson 17: Divisibility Tests for 3 and 9

Exit Ticket

1. Is 26,341 divisible by 3? If it is, write the number as the product of 3 and another factor. If not, explain.

2. Is 8,397 divisible by 9? If it is, write the number as the product of 9 and another factor. If not, explain.

3. Explain why 186,426 is divisible by both 3 and 9.

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Lesson 18: Least Common Multiple and Greatest Common Factor

Exit Ticket

- Find the LCM and GCF of 12 and 15.
- Write two numbers, neither of which is 8, whose GCF is 8.
- Write two numbers, neither of which is 28, whose LCM is 28.

Rate each of the stations you visited today. Use this scale:

3—Easy—I’ve got it; I don’t need any help.

2—Medium—I need more practice, but I understand some of it.

1—Hard—I’m not getting this yet.

Complete the following chart:

Station	Rating (3, 2, 1)	Comment to the Teacher
Station 1: Factors and GCF		
Station 2: Multiples and LCM		
Station 3: Using Prime Factors for GCF		
Station 4: Applying Factors to the Distributive Property		

Name _____

Date _____

Lesson 19: The Euclidean Algorithm as an Application of the Long Division Algorithm

Exit Ticket

Use Euclid's algorithm to find the greatest common factor of 45 and 75.