engage^{ny} / Eureka Math

Exit Tickets

GRADE 5
MODULE 2

Version 3

Name _____ Date _____

1. Find the products.

   a. 1,900 × 20

   b. 6,000 × 50

   c. 250 × 300

2. Explain how knowing 50 × 4 = 200 helps you find 500 × 400.

Name _____ Date _____

Round the factors and estimate the products.

a. 656 × 106 ≈

b. 3,108 × 7,942 ≈

c. 425 × 9,311 ≈

d. 8,633 × 57,008 ≈

Name _____ Date _____

1. Draw a model. Then, write the numerical expressions.

a. The difference between 8 forty-sevens and 7 forty-sevens	b. 6 times the sum of 12 and 8

2. Compare the two expressions using >, <, or =.

62 × (70 + 8)	◯	(70 + 8) × 26

Name _____ Date _____

Solve using mental math. Draw a tape diagram and fill in the blanks to show your thinking.

a. 49 × 11 = _____ elevens Think: 50 elevens – 1 eleven = (_____ × 11) – (_____ × 11) = _____ – _____ = _____	b. 25 × 13 = _____ twenty-fives Think: _____ twenty-fives + _____ twenty-fives = (_____ × 25) + (_____ × 25) = _____ + _____ = _____

Name _____ Date _____

Draw an area model, and then solve using the standard algorithm.

a. 21 × 23 = _____

2 1
× 2 3

b. 143 × 12 = _____

1 4 3
× 1 2

Name _____ Date _____

Draw an area model. Then, solve using the standard algorithm. Use arrows to match the partial products from your area model to the partial products in the algorithm.

a. 78 × 42

$$\begin{array}{r} 7\,8 \\ \times\ 4\,2 \\ \hline \end{array}$$

b. 783 × 42

$$\begin{array}{r} 7\,8\,3 \\ \times\ 4\,2 \\ \hline \end{array}$$

Name _____ Date _____

Draw an area model. Then, solve using the standard algorithm.

a. 642 × 257

642

× 257

b. 642 × 207

642

× 207

Name _____ Date _____

Estimate the product first. Solve by using the standard algorithm. Use your estimate to check the reasonableness of the product.

a. 283 × 416

≈ _____ × _____

= _____

$$\begin{array}{r} 283 \\ \times\ 416 \\ \hline \end{array}$$

b. 2,803 × 406

≈ _____ × _____

= _____

$$\begin{array}{r} 2,803 \\ \times\ 406 \\ \hline \end{array}$$

Name _____ Date _____

Solve.

Juwad picked 30 bags of apples on Monday and sold them at his fruit stand for $3.45 each. The following week he picked and sold 26 bags.

a. How much money did Juwad earn in the first week?

b. How much money did he earn in the second week?

c. How much did Juwad earn selling bags of apples these two weeks?

d. **Extension:** Each bag Juwad picked holds 15 apples. How many apples did he pick in two weeks? Write an expression to represent this problem.

Name _____ Date _____

1. Estimate the product. Solve using an area model and the standard algorithm. Remember to express your products in standard form.

   a. $33.2 \times 21 \approx$ _____ × _____ = _____

   b. $1.7 \times 55 \approx$ _____ × _____ = _____

2. If the product of 485×35 is 16,975, what is the product of 485×3.5? How do you know?

Name _____ Date _____

Use estimation and place value reasoning to find the unknown product. Explain how you know.

1. If 647 × 63 = 40,761 then 6.47 × 63 = _____

2. Solve using the standard algorithm.

   a. 6.13 × 14

   b. 104.35 × 34

Name _____ Date _____

Estimate. Then, solve using the standard algorithm.

a. $3.03 \times 402 \approx$ _____ × _____ = _____

b. $667 \times 1.25 \approx$ _____ × _____ = _____

Name _____ Date _____

Solve.

a. Convert pounds to ounces. (1 pound = 16 ounces)	b. Convert kilograms to grams.
14 pounds = _____ × (1 pound) = _____ × (_____ ounces) = _____ ounces	18.2 kilograms = _____ × (_____) = _____ × (_____) = _____ grams

Name _____ Date _____

1. Convert days to weeks by completing the number sentences.

   35 days = _____ × (_____ day)

   = _____ × (_____ week)

   =

   =

2. Convert grams to kilograms by completing the number sentences.

   4,567 grams = _____ × _____

   = _____ × _____

   =

   =

Name _____ Date _____

Solve.

To practice for an Ironman competition, John swam 0.86 kilometer each day for 3 weeks. How many meters did he swim in those 3 weeks?

Name _____ Date _____

Divide. Show your thinking.

a. 17,000 ÷ 100	b. 59,000 ÷ 1,000
c. 12,000 ÷ 40	d. 480,000 ÷ 600

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Estimate the quotient for the following problems.

a. 608 ÷ 23 ≈ _____ ÷ _____ = _____	b. 913 ÷ 31 ≈ _____ ÷ _____ = _____
c. 151 ÷ 39 ≈ _____ ÷ _____ = _____	d. 481 ÷ 68 ≈ _____ ÷ _____ = _____

Name _____ Date _____

Estimate the quotients for the following problems.

a. 6,523 ÷ 21 ≈ _____ ÷ _____ = _____	b. 8,491 ÷ 37 ≈ _____ ÷ _____ = _____
c. 3,704 ÷ 53 ≈ _____ ÷ _____ = _____	d. 4,819 ÷ 68 ≈ _____ ÷ _____ = _____

Name _____ Date _____

Divide, and then check using multiplication.

a. 73 ÷ 20

b. 291 ÷ 30

Name _____ Date _____

Divide. Then, check with multiplication.

a. 78 ÷ 21

b. 89 ÷ 37

Name _____ Date _____

Divide. Then, check using multiplication.

a. 326 ÷ 53

b. 192 ÷ 38

Name _____ Date _____

Divide. Then, check using multiplication.

a. 413 ÷ 19

b. 708 ÷ 67

Name _____ Date _____

Divide. Then, check using multiplication.

a. 8,283 ÷ 19

b. 1,056 ÷ 37

Name _____ Date _____

1. Divide.

   a. 27.3 ÷ 3

   b. 2.73 ÷ 30

   c. 273 ÷ 300

2. If 7.29 ÷ 9 = 0.81, then the quotient of 7.29 ÷ 90 is _____. Use place value reasoning to explain the placement of the decimal point.

Name _____ Date _____

Estimate the quotients.

a. $1.64 \div 22 \approx$

b. $123.8 \div 62 \approx$

c. $6.15 \div 31 \approx$

Name _____ Date _____

1. Estimate. Then, divide using the standard algorithm and check.

   a. 45.15 ÷ 21

   b. 14.95 ÷ 65

2. We learned today that division expressions that have the same quotient and remainders are not necessarily equal to each other. Explain how this is possible.

Name _____ Date _____

Divide.

a. $28 \div 32$

b. $68.25 \div 65$

Name _____ Date _____

Solve this problem, and show all of your work.

Kenny is ordering uniforms for both the girls' and boys' tennis clubs. He is ordering shirts for 43 players and two coaches at a total cost of $658.35. Additionally, he is ordering visors for each player at a total cost of $368.51. How much will each player pay for the shirt and visor?

Name _____ Date _____

Solve.

Hayley borrowed $1,854 from her parents. She agreed to repay them in equal installments throughout the next 18 months. How much will Hayley still owe her parents after a year?