Grade 5 Mathematics
Student At-Home Activity Packet 2

This At-Home Activity Packet includes 38 pages of practice problems that align to important math concepts your student has worked with so far this year.

We recommend that your student completes two pages of practice problems each day.

Encourage your student to do the best they can with this content—the most important thing is that they continue developing their mathematical fluency and skills!
Lesson 1
G:5 M:2
EXIT TICKET

Name: __________________________
Date: ___________

Complete: □
Class: ___________

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.
1. Round the factors and estimate the products.
   
   a. \(656 \times 106 \approx\)

   b. \(3,108 \times 7,942 \approx\)

   c. \(425 \times 9,311 \approx\)

   d. \(8,633 \times 57,008 \approx\)
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 =.

\[ 62 \times (70 + 8) \quad \square \quad (70 + 8) \times 26 \]
1. Draw an area model. Then, solve using the standard algorithm. Use arrows to match the partial products from the area model to the partial products in the algorithm.

   a. \[78 \times 42\]

   \[\begin{array}{c}
   78 \\
   \times 42 \\
   \hline
   \end{array}\]

   b. \[783 \times 42\]

   \[\begin{array}{c}
   783 \\
   \times 42 \\
   \hline
   \end{array}\]
1. Draw an area model. Then, solve using the standard algorithm.

   a. \(642 \times 257\)

   \[
   \begin{array}{ccc}
   & 6 & 4 & 2 \\
   \times & 2 & 5 & 7 \\
   \hline
   & 0 & 0 & 6 \\
   & 6 & 4 & 2 \\
   & 6 & 4 & 2 \\
   \hline
   1,635 & 5 & 4 & 6 \\
   \end{array}
   \]

   b. \(642 \times 207\)

   \[
   \begin{array}{ccc}
   & 6 & 4 & 2 \\
   \times & 2 & 0 & 7 \\
   \hline
   & 0 & 0 & 6 \\
   & 6 & 4 & 2 \\
   & 1 & 2 & 8 \\
   \hline
   1,333 & 6 & 8 \\
   \end{array}
   \]
Lesson 8
G:5 M:2
Is It Reasonable?
ZEARN STUDENT NOTES

Name: ___________________________  Date: ______________
Complete: [ ]  Class: ____________

SHOW YOUR WORK

\[ 4,902 \times 408 \]
\[ \approx _________ \times _________ \]
\[ = \______________________________ \]
1. Estimate the product first. Solve by using the standard algorithm. Use your estimate to check the reasonableness of the product.

   a. $283 \times 416$

      \[
      \approx \quad \quad \times \quad \quad
      \]

      \[
      = \quad \quad
      \]

   b. $2,803 \times 406$

      \[
      \approx \quad \quad \times \quad \quad
      \]

      \[
      = \quad \quad
      \]
Gemma and Leah are both jewelry makers. Gemma made 106 beaded necklaces. Leah made 39 more necklaces than Gemma.

Each necklace they make has exactly 104 beads on it. How many beads did both jewelers use altogether while making their necklaces?
Gemma and Leah are both jewelry makers. Gemma made 106 beaded necklaces. Leah made 39 more necklaces than Gemma.

At a recent craft fair, Gemma sold each of her necklaces for $14. Leah sold each of her necklaces for $10 more. Who made more money at the craft fair? How much more?
1. 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?
1. Estimate the product. Solve using an area model and the standard algorithm. Remember to express your products in standard form.

   a. \(33.2 \times 21 \approx \underline{\phantom{0000}} \times \underline{\phantom{0000}} = \underline{\phantom{0000}}\)

   b. \(1.7 \times 55 \approx \underline{\phantom{0000}} \times \underline{\phantom{0000}} = \underline{\phantom{0000}}\)
Lesson 11
Excellent Estimation
ZEARN STUDENT NOTES

Name: _____________________________ Date: ____________
Complete: □ Class: _______________

1

SHOW YOUR WORK

8.26 \times 128 \approx \underline{_______} \times \underline{_______} = \underline{_______}

8.26 \times 128 = \underline{_______}

826 \text{ hundredths} \times 128
1. Use estimation and place value reasoning to find the unknown product. Explain how you know.

If $647 \times 63 = 40,761$ then $6.47 \times 63 =$

2. Solve using the standard algorithm.

a. $6.13 \times 14$

b. $104.35 \times 34$
1. Estimate. Then, solve using the standard algorithm.

   a. $3.03 \times 402 \approx \underline{\phantom{0}} \times \underline{\phantom{0}} = \underline{\phantom{000000000}}$

   b. $667 \times 1.25 \approx \underline{\phantom{000}} \times \underline{\phantom{00}} = \underline{\phantom{000000000}}$
1. Solve.
   
   a. Convert pounds to ounces.  
      (1 pound = 16 ounces)
      
      14 pounds = ______ (× 1 pound)
      
      = ______ × ( ______ ounces)
      
      = ______ ounces

   b. Convert kilograms to grams.
      
      18.2 kilograms = ______ × ( ______ )
      
      = ______ × ( ______ )
      
      = ______ grams
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 = ___________ × ___________

= ___________ × ___________

=
Liza’s cat had six kittens! When Liza and her brother weighed all the kittens together, they weighed 4 pounds 2 ounces.

Since all the kittens are almost the same size, around how many ounces does each kitten weigh?

1 lb = 16 oz
Each Zearn costume needs 46 centimeters of yellow ribbon and 3 times as much blue ribbon.

What is the total length of ribbon needed for 64 costumes? Express your answer in meters.

1 cm = 0.01 m
Lesson 15
G:5 M:2

EXIT TICKET

Name:______________________________ Date:__________
Complete:□ Class:______________

1. 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?
Lesson 17  More Excellent Estimation
G:5 M:2
ZEARN STUDENT NOTES

Name: ____________________________ Date: __________
Complete: □
Class: __________

1

SHOW YOUR WORK

427 ÷ 58
≈ _____ ÷ _____
= _____ ÷ _____
= _____

60 × 1 = _____
60 × 2 = _____
60 × 3 = _____
60 × 4 = _____
60 × 5 = _____
60 × 6 = _____
60 × 7 = _____
60 × 8 = _____
1. Estimate the quotient for the following problems.

   a. \( 608 \div 23 \)

      \[ \approx \quad \div \quad \]

      \[ = \quad \]

   b. \( 913 \div 31 \)

      \[ \approx \quad \div \quad \]

      \[ = \quad \]

   c. \( 151 \div 39 \)

      \[ \approx \quad \div \quad \]

      \[ = \quad \]
d. $481 \div 68$

\[ \approx \underline{ \quad } \div \underline{ \quad } \]

\[ = \underline{ \quad } \]
1. Estimate the quotients for the following problems.

   a. \(6,523 \div 21\)
      \[
      \approx \quad \quad \quad \quad \quad \quad \quad \quad \\
      = \quad \quad \quad \quad \quad \quad \quad \\
      
   b. \(8,491 \div 37\)
      \[
      \approx \quad \quad \quad \quad \quad \quad \quad \\
      = \quad \quad \quad \quad \quad \\
      
   c. \(3,704 \div 53\)
      \[
      \approx \quad \quad \quad \quad \quad \quad \quad \\
      = \quad \quad \quad \quad \\
      

d. 4,819 ÷ 68

\[ \approx \underline{\phantom{00000}} \div \underline{\phantom{00000}} \]

= ________________
Lesson 19
G:5 M:2

Dare to Divide

Name: __________________________  Date: __________
Complete:  □  Class: __________

1

SHOW YOUR WORK

430 ÷ 60

Check:

_______ × _______ = _______

_______ + _______ = _______
1. Divide, and then check using multiplication.
   
   a. $73 \div 20$
   
   b. $291 \div 30$
Lesson 20
Division Precision
ZEARN STUDENT NOTES

Name: ____________________________ Date: __________
Complete: □ Class: __________

1

SHOW YOUR WORK

84 ÷ 23

Check:

____ × _____ = _____

_____ + _____ = _____

Estimate Check

× __________
1. Divide. Then, check with multiplication.
   
   a. \(78 \div 21\)
   
   b. \(89 \div 37\)
1. Divide. Then, check using multiplication.
   
   a. $326 \div 53$
   
   b. $192 \div 38$
1

887 ÷ 27

Check:

Extra workspace:
1. Divide. Then, check using multiplication.
   
   a. 413 ÷ 19
   
   b. 708 ÷ 67
1. Divide. Then, check using multiplication.
   a. 8,283 ÷ 19
   b. 1,056 ÷ 37
Show your work

54 ÷ 90

= 54 ÷ _____ ÷ _____

= _____ ÷ 10

= _____
Lesson 24
G:5 M:2
EXIT TICKET

Name: _______________________________ Date: _____________
Complete: [ ] Class: ________________

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.
1. Estimate the quotients.
   
   a. \(1.64 \div 22 \approx\)
   
   b. \(123.8 \div 62 \approx\)
   
   c. \(6.15 \div 31 \approx\)
1. Estimate. Then, divide using the standard algorithm and check.

   a. \(45.15 \div 21\)

   b. \(14.95 \div 65\)
1. Divide.

   a. $28 \div 32$  
   b. $68.25 \div 65$