Homework

Divide with remainders.

1. $5\overline{)29}$ 2. $8\overline{)34}$ 3. $9\overline{)75}$

4. $2\overline{)13}$ 5. $4\overline{)39}$ 6. $4\overline{)30}$

7. $7\overline{)45}$ 8. $6\overline{)38}$ 9. $5\overline{)39}$

10. $3\overline{)25}$ 11. $4\overline{)31}$ 12. $9\overline{)35}$

13. $4\overline{)27}$ 14. $8\overline{)29}$ 15. $7\overline{)22}$

16. $3\overline{)26}$ 17. $6\overline{)37}$ 18. $8\overline{)42}$

Homework

Name _____   Date _____

Solve. Use the Place Value Sections Method for division.

Charlie has 944 baseball cards in his collection. He places the cards in an album with exactly 4 cards on each page. How many pages does Charlie fill in his baseball card album? <u>236 pages</u>

```
     200 +    30 +      6  = 236 pages
4 | 944  | ↗144  | ↗24
  | −800 |/−120  |/−24
    144 /   24 /    0
```

1. A hardware store has 834 planks of wood to deliver to 6 building sites. If each site gets the same number of planks, how many planks should each building site get? _____

```
  __00 +  _0  +   _  = ____
 |      |      |      |
 |      |      |      |
```

Solve. Use the Expanded Notation Method for division.

2. A park planner is designing a rectangular butterfly garden. The plan is for the garden to have an area of 1,917 square feet. If the garden is 9 feet wide, how long is it? _____

3. A family drives 1,498 miles from Boston, Massachusetts to Miami, Florida. If they drive the same number of miles each day for 7 days, how many miles will they drive each day? _____

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Relate 3-Digit Multiplication to Division **69**

Homework

Name _____ Date _____

Solve. Use the Place Value Sections and the Expanded
Notation Methods for division.

1.   _0 + _ = ___

6	564	

6)564

2.   _0 + _ = ___

7	245	

7)245

3.   _,000 + _00 + _0 + _ = _____

5	9,675			

5)9,675

4.   _,000 + _00 + _0 + _ = _____

4	9,536			

4)9,536

Discuss 2-Digit and 4-Digit Quotients **71**

Name _____ **Date** _____

Homework

Divide.

1. $6\overline{)2,142}$ **2.** $4\overline{)886}$ **3.** $8\overline{)576}$

4. $5\overline{)8,265}$ **5.** $3\overline{)795}$ **6.** $9\overline{)2,664}$

7. $6\overline{)259}$ **8.** $7\overline{)952}$ **9.** $3\overline{)7,459}$

Solve.   _Show your work._

10. For the school field day, students are divided into 5 same-size teams. Any extra students will serve as substitutes. If 243 students participate, how many students will be on each team? How many substitutes will there be?

_____

11. A fruit stand sells packages containing 1 peach, 1 pear, 1 apple, 1 banana, and 1 mango each. One week they sold a total of 395 pieces of fruit. How many packages did they sell?

_____

Name _____ Date _____

Use any method to solve.

1. $5\overline{)652}$ 2. $4\overline{)940}$ 3. $6\overline{)840}$ 4. $7\overline{)942}$

5. $5\overline{)6,502}$ 6. $6\overline{)8,370}$ 7. $4\overline{)5,267}$ 8. $8\overline{)9,161}$

Solve.

9. Joe had 145 peanuts in a bag. He fed all of the peanuts to the 5 squirrels that he saw. If each squirrel got the same number of peanuts, how many peanuts did each squirrel get?

_____

10. There were 1,148 students at Jefferson High School who wanted to go on a field trip. Since they could not all go at the same time, they went in 7 equal groups. How many students were in each group?

_____

11. A printing company has 1,080 ink cartridges to be packed in 9 shipping boxes. If each box holds the same number of cartridges, how many ink cartridges will be packed in each box?

_____

Homework

Solve.

1. $3\overline{)21}$ $3\overline{)22}$ $3\overline{)23}$ $3\overline{)24}$ $3\overline{)25}$

2. $7\overline{)21}$ $7\overline{)22}$ $7\overline{)23}$ $7\overline{)24}$ $7\overline{)25}$

3. Describe how the repeating pattern in row 1 is different from the pattern in row 2. Explain why.

_____

_____

_____

Use any method to solve.

4. $9\overline{)2,359}$ 5. $2\overline{)5,389}$ 6. $4\overline{)1,648}$

7. $5\overline{)1,456}$ 8. $8\overline{)2,506}$ 9. $6\overline{)8,473}$

Solve.   *Show your work.*

10. Mr. James arranged his collection of 861 baseball cards in 7 equal rows. How many cards were in each row?

_____

11. A shoe company has 9,728 pairs of shoes to be divided equally among 8 stores. How many pairs of shoes will each store get?

_____

Homework

Name _____

Date _____

Solve.

1. 4)$\overline{21}$ 4)$\overline{22}$ 4)$\overline{23}$ 4)$\overline{24}$ 4)$\overline{25}$

2. 6)$\overline{21}$ 6)$\overline{22}$ 6)$\overline{23}$ 6)$\overline{24}$ 6)$\overline{25}$

3. Describe how the repeating pattern in row 1 is different from the pattern in row 2. Explain why.

_____

_____

Use any method to solve.

4. 8)$\overline{6,726}$ 5. 7)$\overline{9,259}$ 6. 3)$\overline{1,504}$ 7. 2)$\overline{8,037}$

8. 9)$\overline{3,385}$ 9. 5)$\overline{2,347}$ 10. 6)$\overline{9,003}$ 11. 4)$\overline{8,360}$

Solve.

12. Altogether, the members of an exercise club drink 840 bottles of water each month. Each member drinks 8 bottles. How many members are there?

_____

13. There are 7,623 pencils ready to be packaged in boxes at a factory. Each box holds 6 pencils. How many full boxes of pencils can be packaged?

_____

Homework

Solve by any method on a separate sheet of paper.
Then check your answer by rounding and estimating.

1. $3\overline{)246}$

2. $6\overline{)75}$

3. $7\overline{)60}$

4. $3\overline{)256}$

5. $4\overline{)805}$

6. $5\overline{)927}$

7. $4\overline{)325}$

8. $4\overline{)378}$

9. $6\overline{)432}$

10. $5\overline{)1,838}$

11. $4\overline{)2,715}$

12. $7\overline{)3,042}$

Solve.   *Show your work.*

13. The area of Matt's rectangular bedroom is 96 square feet.
    If the room is 8 feet wide, how long is it?

_____

14. The fourth-grade students at Lincoln Elementary
    School are attending an assembly. There are 7 equal
    rows of seats in the assembly hall. If there are
    392 fourth-grade students, how many students will
    sit in each row?

_____

15. Pablo is packing books into crates. He has 9 crates.
    Each crate will contain the same number of books.
    If he has 234 books, how many books can he put
    into each crate?

_____

Name _____

Date _____

Homework

Solve. Write the remainder as a whole number.

1. $7\overline{)7,012}$

2. $9\overline{)8,410}$

3. $2\overline{)7,825}$

4. $5\overline{)3,512}$

5. $6\overline{)6,618}$

6. $8\overline{)7,225}$

Solve. Then explain the meaning of the remainder.

7. Principal Clements wants to buy a pencil for each of the 57 fourth-graders in her school. The pencils come in packages of 6. How many packages does Principal Clements need to buy?

   _____
   _____
   _____
   _____

8. Tyler has 71 CDs in his collection. He places the CDs in a book that holds 4 CDs on each page. If Tyler fills each page, how many CDs will be on the last page?

   _____
   _____
   _____
   _____

9. Amanda and her family are hiking a trail that is 46 miles long. They plan to hike exactly 7 miles each day. How many days will they hike exactly 7 miles?

   _____
   _____
   _____
   _____

10. Cesar makes 123 ounces of trail mix. He puts an equal number of ounces in each of 9 bags. How many ounces of trail mix does Cesar have left over?

   _____
   _____
   _____
   _____

When the Kent Elementary School fourth-grade classes were studying butterflies, they took a field trip to a butterfly garden.

Use the correct operation or combination of operations to solve each problem.

Show your work.

1. Nine buses of students, teachers, and parents went on the field trip. If 5 of the buses held 63 people each and the other buses held 54 people each, how many people went in all?

   _____

   _____

2. Some female butterflies lay their eggs in clusters. If one kind of butterfly lays 12 eggs at a time and another kind lays 18 eggs at a time, how many eggs would 8 of each kind of butterfly lay?

   _____

   _____

3. Teachers divided students into groups of 3. Each group of 3 wrote a report that had 9 pictures in it. The students used 585 pictures altogether. How many students were there in all?

   _____

4. Driving to and from the butterfly garden took 45 minutes each way. The students spent 3 hours in the garden and 30 minutes eating lunch. If the groups left the school at 9:00 A.M., what time did they get back?

   _____

   _____

Homework

Divide.   *Show your work.*

1. $5\overline{)456}$ 2. $4\overline{)1{,}247}$ 3. $7\overline{)829}$

4. $6\overline{)2{,}254}$ 5. $3\overline{)729}$ 6. $8\overline{)658}$

7. $9\overline{)4{,}437}$ 8. $5\overline{)3{,}649}$ 9. $6\overline{)875}$

Solve.   *Show your work.*

10. Sharon has 1,278 beads to make bracelets. She sorts them into 6 different containers so she can have an equal amount of beads in each container. How many beads will Sharon put in each container?

_____

11. Kyle collects baseball cards. He places his cards into an album that has 9 cards on each page. He has a total of 483 baseball cards. He fills each page before putting cards on the next page. How many cards will be on the last page?

_____