Name _____ Date _____

Homework

Complete each division. Check your answer.

1. $5\overline{)4,820}$
2. $8\overline{)7,548}$
3. $9\overline{)7,535}$

4. $3\overline{)2,958}$
5. $7\overline{)5,857}$
6. $6\overline{)5,556}$

7. $7\overline{)6,945}$
8. $8\overline{)5,624}$
9. $4\overline{)3,254}$

Solve. Use estimation to check the solution.   *Show your work.*

10. Mrs. Wong drove between Chicago and St. Louis 8 times last month. Altogether she drove 2,376 miles. How far is it from Chicago to St. Louis?

_____

11. Jay has 6,200 beads. He is making bracelets with 9 beads each. How many bracelets can he make? How many beads will be left?

_____

12. There are 5,280 feet in a mile. There are 3 feet in a yard. How many yards are there in a mile?

_____

13. The Pencil Pal factory wraps pencils in packages of 6. Today there are 5,750 pencils to be packaged. How many packages will there be? How many pencils will be left over?

_____

Homework

Divide.

1. $39\overline{)2{,}886}$ 2. $81\overline{)7{,}533}$ 3. $68\overline{)4{,}967}$ 4. $72\overline{)4{,}968}$

5. $28\overline{)2{,}520}$ 6. $33\overline{)1{,}287}$ 7. $46\overline{)1{,}426}$ 8. $55\overline{)990}$

Solve.   *Show your work.*

9. The lunchroom has enough seats for 168 students. Each class has 24 students. How many classes can eat in the lunchroom at the same time?

_____

10. Mrs. Randall bought tickets to the art museum for all the fifth-grade students. Each ticket cost $12, and the total cost of the tickets was $1,152. How many fifth-grade students are there?

_____

11. The Harmony Hotel has a total of 1,596 rooms. There are 42 rooms on each floor. How many floors does the Harmony Hotel have?

_____

12. This year Martin earned $1,615 mowing lawns, shoveling driveways, and doing yardwork. This is 19 times as much as he earned last year. How much did Martin earn last year?

_____

Homework

Divide.

1. $34\overline{)7,276}$ 2. $85\overline{)6,120}$ 3. $73\overline{)4,309}$ 4. $38\overline{)3,576}$

5. $57\overline{)4,722}$ 6. $26\overline{)7,903}$ 7. $65\overline{)5,918}$ 8. $69\overline{)1,796}$

Solve.

Show your work.

9. A carousel factory has 1,252 carousel horses. 48 horses are placed on each carousel. How many carousels can the factory build?

_____

How many horses will be left over?

_____

10. Farmer Parson collected 1,183 chicken eggs this morning. He will put them in cartons that hold a dozen eggs each.

How many cartons will he fill?

_____

How many eggs will be left over?

_____

11. Write a division word problem using 7,903 and 26.

_____

_____

_____

Name _____   Date _____

Homework

Solve. Circle the choice that tells how you gave your answer.   *Show your work.*

1. A Ferris wheel holds 48 people. There are 823 people with tickets to ride the Ferris wheel. How many times will the Ferris wheel need to be run to give everyone a ride?

whole number only	round up	mixed number	decimal	remainder only

2. Bananas cost 89 cents each at the fruit stand. Isabel has $11.75. How many bananas can she buy?

whole number only	round up	mixed number	decimal	remainder only

3. The 15 members of a running club made $1,338 selling magazines. They will divide the money equally. How much should each runner get?

whole number only	round up	mixed number	decimal	remainder only

4. There are 524 goldfish in the fish pond. They will be put in indoor tanks for the winter. If each tank holds 45 fish, how many tanks will be needed?

whole number only	round up	mixed number	decimal	remainder only

5. Mr. Lopez made 339 ounces of strawberry jam. He plans to divide the jam equally among his 12 cousins. How many ounces of jam will each cousin get?

whole number only	round up	mixed number	decimal	remainder only

Homework

1. 7)3,990   **2.** 44)2,156   **3.** 5)7,003

4. 28)1,763   **5.** 54)4,458   **6.** 6)3,039

Solve.   *Show your work.*

7. This morning, a factory produced 6,000 cans of beans and packaged them in boxes of 48 cans. How many boxes were filled?

_____

8. Six friends earned $645 for painting some rooms in a neighbor's house. If they divide the money equally, how much will each friend get?

_____

9. The floor of a ballroom has an area of 2,470 square feet. If the length of the floor is 65 feet, what is its width?

_____

10. Felipe just started collecting stamps. He has 36 stamps so far. His uncle Carlo has 1,890 stamps in his collection. The number of stamps Carlo has is how many times the number Felipe has?

_____

Homework

Solve.

1. $9\overline{)6.57}$

2. $5\overline{)36.41}$

3. $4\overline{)9.584}$

4. $6\overline{)207.9}$

5. $23\overline{)153.87}$

6. $7\overline{)654.5}$

7. $45\overline{)431.1}$

8. $2\overline{)7.006}$

9. $16\overline{)5.76}$

Solve.

Show your work.

10. Teresa bought 16 roses for $20.64. How much did she pay for each rose?

_____

11. Barry's dog Cubby is 1.26 meters long. Cubby is 7 times as long as Douglas's guinea pig Taffy. How long is Taffy?

_____

12. Farmer Sanchez has 1,408.86 acres of land. He will divide it into 27 equal fields for spring planting. How many acres will be in each field?

_____

13. Six friends will stay at a cabin in the woods this weekend. The distance to the cabin is 148.5 miles. Each person will drive one sixth of the distance. How far will each person drive?

_____

Name _____ **Date** _____

Homework

Solve. *Show your work.*

1. Nella and Lydia are hiking 15 miles today. After every 0.5 mile, they will stop and rest. How many times will they rest during the hike?

   _____

2. A cookie cutter shark is 0.4 meter long, and a thresher shark is 6 meters long. How many times as long as the cookie cutter shark is the thresher shark?

   _____

3. At a large wedding, the cakes were cut into hundredths, so each piece was 0.01 of a whole cake. If there were 12 cakes, how many pieces were there?

   _____

4. A millimeter is 0.001 of a meter. How many millimeters are there in 7 meters?

   _____

5. Paco saves $0.75 each day for a new bicycle helmet. He has saved $36. For how many days has Paco been saving?

   _____

Solve.

6. $0.9\overline{)63}$ 7. $0.08\overline{)72}$ 8. $0.007\overline{)42}$ 9. $0.6\overline{)420}$

10. $0.4\overline{)372}$ 11. $0.6\overline{)534}$ 12. $0.26\overline{)884}$ 13. $0.71\overline{)1,136}$

Divide.

1. $0.07\overline{)4.2}$ 2. $0.8\overline{)2.4}$ 3. $0.05\overline{)4.8}$ 4. $0.24\overline{)2.064}$

5. Circle the division that does *not* have the same answer as the others.

$54 \div 6$ $5.4 \div 0.6$ $0.54 \div 0.6$ $0.54 \div 0.06$ $0.054 \div 0.006$

Solve.   *Show your work.*

6. A beekeeper collected 7.6 liters of honey. She will pour it into bottles that each hold 0.95 liter. How many bottles will she fill?

   _____

7. A very small dinosaur, the microraptor, was only 1.3 feet long. One of the largest dinosaurs, the diplodocus, was about 91 feet long. How many times as long as the microraptor was the diplodocus?

   _____

8. Tomorrow, in the town of Eastwood, there will be a big race. The course is 5.25 kilometers long. A water station will be set up every 0.75 kilometer, including at the finish line. How many water stations will there be?

   _____

9. Marisol's bedroom has an area of 29.76 square meters. The length of the room is 6.2 meters. What is its width?

   _____

Divide.

1. $0.7\overline{)35}$ **2.** $0.06\overline{)24}$ **3.** $0.8\overline{)0.64}$ **4.** $0.03\overline{)18}$

5. $3\overline{)33}$ **6.** $0.05\overline{)0.65}$ **7.** $12\overline{)72}$ **8.** $0.04\overline{)11.56}$

9. $8\overline{)216}$ **10.** $0.8\overline{)490.4}$ **11.** $28\overline{)2,380}$ **12.** $0.033\overline{)5.148}$

Solve. Explain how you know your answer is reasonable.

Show your work.

13. Georgia works as a florist. She has 93 roses to arrange in vases. Each vase holds 6 roses. How many roses will Georgia have left over?

_____

_____

14. Julia is jarring peaches. She has 25.5 cups of peaches. Each jar holds 3 cups. How many jars will Julia need to hold all the peaches?

_____

_____

15. The area of a room is 114 square feet. The length of the room is 9.5 feet. What is the width of the room?

_____

_____

Multiply or divide.

1. $1.5 \times 5 =$ _____   **2.** $0.4 \times 0.05 =$ _____   **3.** $0.004 \times 0.03 =$ _____

4. $\begin{array}{r} 0.55 \\ \times\ 0.07 \\ \hline \end{array}$ **5.** $\begin{array}{r} 0.25 \\ \times\ 0.12 \\ \hline \end{array}$ **6.** $\begin{array}{r} 22.3 \\ \times\ 6.2 \\ \hline \end{array}$ **7.** $\begin{array}{r} 20.8 \\ \times\ 0.26 \\ \hline \end{array}$

8. $0.3\overline{)0.108}$ **9.** $0.11\overline{)407}$ **10.** $0.67\overline{)32.16}$ **11.** $0.44\overline{)105.6}$

For each problem, decide whether you need to multiply or divide. Then solve. Explain how you know your answer is reasonable.

Show your work.

12. Harriet makes yo-yos. She needs 38 inches of string for each yo-yo. How many yo-yos can she make with 875 inches of string? How many inches of string will be left over?

_____

_____

13. Roberto will save $\frac{1}{6}$ of his allowance each day. If he gets $2.00 a day, about how much money will he save each day? Round your answer to the nearest penny.

_____

_____

14. Raisins cost $0.97 per pound. Michael bought $15.52 worth of raisins. How many pounds of raisins did he buy?

_____

_____

Homework

Dividing numbers involves dividends, divisors, and quotients.

$$\overset{\text{quotient}}{\text{divisor}\overline{)\text{dividend}}}$$

Write a division problem (including the quotient) that satisfies all three statements.

Show your work.

1. The dividend is a one-digit whole number.
   The divisor is a one-digit whole number.
   The quotient is a one-digit whole number.

2. The dividend is a two-digit whole number.
   The divisor is a one-digit whole number.
   The quotient is a one-digit whole number.

3. The dividend is a two-digit whole number.
   The divisor is less than 1, and a number in tenths.
   The quotient is a two-digit whole number.

4. The dividend is a two-digit whole number.
   The divisor is greater than 1, and a number in tenths.
   The quotient is a two-digit whole number.

5. The dividend is a number in tenths.
   The divisor is a one-digit whole number.
   The quotient is a number in tenths.

6. The dividend is a decimal in hundredths.
   The divisor is a decimal in hundredths.
   The quotient is a one-digit whole number.

7. The dividend is a decimal in hundredths.
   The divisor is a decimal in hundredths.
   The quotient is a two-digit whole number.