

LONG DIVISION WORD PROBLEMS

1. Zookeeper Al wants to give each monkey at the zoo an equal number of bananas. There are 37 monkeys in the zoo and 567 bananas. How many bananas does each monkey get? And How many are left over for him to eat himself?
2. Betty has 427 oranges and needs to pack them up equally in 23 boxes. How many oranges go in each box and how much does she have left over?
3. Miss King has 1376 pages of scrap paper. She wants to make them into scrap paper packets for her 32 students. How many pages will each packet have? How many extra pages will she have left over?
4. Mr. Chong has 1,440 pages of scrap paper. He instead wants to make packets of 40 pages each but forgets to check if that will be enough for his 37 students. Will there be enough packets per student? If not how much more scrap paper does he need?

LEMONADE STAND MATH 1



You and your friends run a lemonade stand every day during the summer. You are in charge of keeping track of the volume of lemonade sold. Given the number of cups sold each day, use division to express the number of cups sold in gallons, quarts, and cups.

Follow the example below. Refer to the **conversion box** to convert your units correctly. Show and check your work.

Conversion Box

Gal = Gallons
Qt = Quarts
C = Cups

1 Gal = 16 C
1 Qt = 4 C

Mon.

Cups sold: 38

1st: Find the number of gallons using division.

$$1 \text{ G} = 16 \text{ C} \quad \begin{array}{r} 2 \\ 16 \overline{)38} \\ \underline{-32} \\ 6 \end{array} \quad \text{R:6} \quad \text{---} \underline{2} \text{ Gal}$$

2nd: Convert the remaining 6 cups into quarts. The remainder is the number of cups left over.

$$1 \text{ Q} = 4 \text{ C} \quad \begin{array}{r} 1 \\ 4 \overline{)6} \\ \underline{-4} \\ 2 \end{array} \quad \text{R:2} \quad \text{---} \underline{1} \text{ Qt} \quad \text{---} \underline{2} \text{ C}$$

Tues. Cups sold: 28

___ Gal ___ Qt ___ C

Wed. Cups sold: 22

___ Gal ___ Qt ___ C

Thurs. Cups sold: 40

___ Gal ___ Qt ___ C

Fri. Cups sold: 54

___ Gal ___ Qt ___ C

Sat. Cups sold: 142

___ Gal ___ Qt ___ C

Sun. Cups sold: 108

___ Gal ___ Qt ___ C

LEMONADE STAND MATH 2



You and your friends run a lemonade stand every day during the summer. You are in charge of keeping track of the volume of lemonade sold. Given the number of cups sold each day, use division to express the number of cups sold in gallons, quarts, and cups.

Follow the example below. Refer to the **conversion box** to convert your units correctly. Show and check your work.

Conversion Box

Gal = Gallons
Qt = Quarts
C = Cups

1 Gal = 16 C
1 Qt = 4 C

Mon.

Cups sold: 29

1st: Find the number of gallons using division.

$$1 \text{ G} = 16 \text{ C} \quad \begin{array}{r} 1 \\ 16 \overline{)29} \\ \underline{-16} \\ 13 \end{array} \quad \text{R:13} \quad \underline{1} \text{ Gal}$$

2nd: Convert the remaining 6 cups into quarts. The remainder is the number of cups left over.

$$1 \text{ Q} = 4 \text{ C} \quad \begin{array}{r} 3 \\ 4 \overline{)13} \\ \underline{-12} \\ 1 \end{array} \quad \text{R:1} \quad \underline{3} \text{ Qt} \quad \underline{1} \text{ C}$$

Tues. Cups sold: 18

___ Gal ___ Qt ___ C

Wed. Cups sold: 33

___ Gal ___ Qt ___ C

Thurs. Cups sold: 17

___ Gal ___ Qt ___ C

Fri. Cups sold: 47

___ Gal ___ Qt ___ C

Sat. Cups sold: 68

___ Gal ___ Qt ___ C

Sun. Cups sold: 75

___ Gal ___ Qt ___ C

LEMONADE STAND MATH 3



You and your friends run a lemonade stand every day during the summer. You are in charge of keeping track of the volume of lemonade sold. Given the number of cups sold each day, use division to express the number of cups sold in gallons, quarts, and cups.

Follow the example below. Refer to the **conversion box** to convert your units correctly. Show and check your work.

Conversion Box

Gal = Gallons
Qt = Quarts
C = Cups

1 Gal = 16 C
1 Qt = 4 C

Mon.

Cups sold: 26

1st: Find the number of gallons using division.

$$1 \text{ G} = 16 \text{ C} \quad \begin{array}{r} 1 \\ 16 \overline{)26} \\ \underline{-16} \\ 10 \end{array} \quad \text{R:10} \quad \underline{1} \text{ Gal}$$

2nd: Convert the remaining 6 cups into quarts. The remainder is the number of cups left over.

$$1 \text{ Q} = 4 \text{ C} \quad \begin{array}{r} 2 \\ 4 \overline{)10} \\ \underline{-8} \\ 2 \end{array} \quad \text{R:2} \quad \underline{2} \text{ Qt} \quad \underline{2} \text{ C}$$

Tues. Cups sold: 54

___ Gal ___ Qt ___ C

Wed. Cups sold: 31

___ Gal ___ Qt ___ C

Thurs. Cups sold: 61

___ Gal ___ Qt ___ C

Fri. Cups sold: 121

___ Gal ___ Qt ___ C

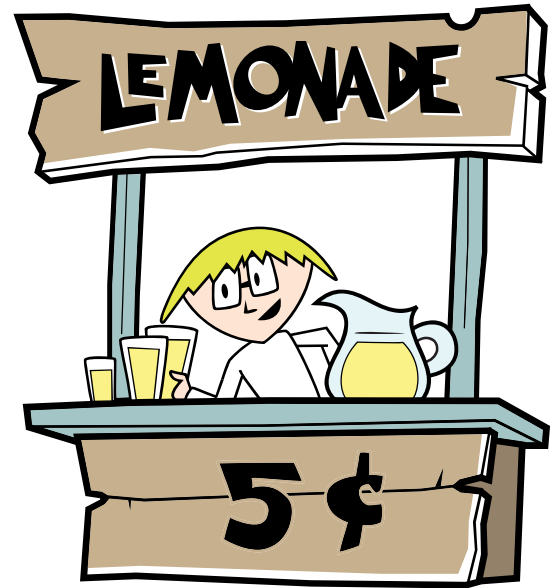
Sat. Cups sold: 90

___ Gal ___ Qt ___ C

Sun. Cups sold: 139

___ Gal ___ Qt ___ C

LEMONADE STAND MATH 4



You and your friends run a lemonade stand every day during the summer. You are in charge of keeping track of the volume of lemonade sold. Given the number of cups sold each day, use division to express the number of cups sold in gallons, quarts, and cups.

Follow the example below. Refer to the **conversion box** to convert your units correctly. Show and check your work.

Conversion Box

Gal = Gallons
Qt = Quarts
C = Cups

1 Gal = 16 C
1 Qt = 4 C

Mon.

Cups sold: 20

1st: Find the number of gallons using division.

$$1 \text{ G} = 16 \text{ C} \quad \begin{array}{r} 16 \overline{)23} \\ -16 \\ \hline 7 \end{array} \quad \text{R:4} \quad \underline{1} \text{ Gal}$$

2nd: Convert the remaining 6 cups into quarts. The remainder is the number of cups left over.

$$1 \text{ Q} = 4 \text{ C} \quad \begin{array}{r} 4 \overline{)7} \\ -4 \\ \hline 3 \\ -0 \\ \hline 0 \end{array} \quad \text{R:0} \quad \underline{1} \text{ Qt} \quad \underline{0} \text{ C}$$

Tues. Cups sold: 62

___ Gal ___ Qt ___ C

Wed. Cups sold: 49

___ Gal ___ Qt ___ C

Thurs. Cups sold: 37

___ Gal ___ Qt ___ C

Fri. Cups sold: 77

___ Gal ___ Qt ___ C

Sat. Cups sold: 101

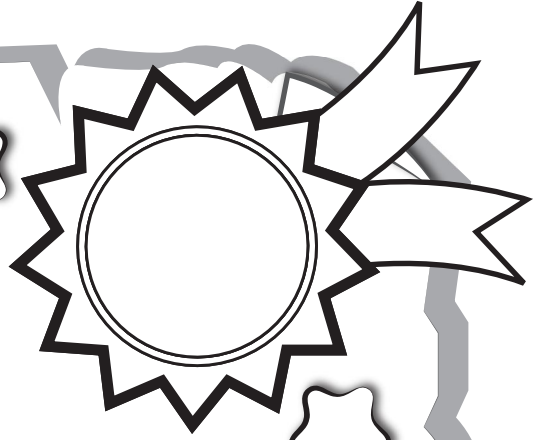
___ Gal ___ Qt ___ C

Sun. Cups sold: 129

___ Gal ___ Qt ___ C

Great job!

_____ is an Education.com math superstar



Answer Sheets

Divide Them Up

Find the Division Facts
Quotient Tournament
Is it Divisible by 2?
Is it Divisible by 5?
Is it Divisible by 10?
Division Quick Trick!
Susie's Birthday: Word Problems
Division Word Problems
Long Division Word Problems
Lemonade Stand Math #1
Lemonade Stand Math #2
Lemonade Stand Math #3
Lemonade Stand Math #4

Want more workbooks? Join Education.com Plus to save time and money.
<http://www.education.com/education-plus/>

Answer Sheet

ANSWER SHEET

Math

Calculation

Find The Division Facts

Division is the reverse of multiplication.

Example: If the multiplication sentence is $3 \times 4 = 12$,
Then the related division facts are $12 \div 3 = 4$ and $12 \div 4 = 3$.

Look at these multiplication sentences, and write down the two related division facts.

$$8 \times 4 = 32$$

$$32 \div 8 = 4$$

$$32 \div 4 = 8$$

$$9 \times 5 = 45$$

$$45 \div 9 = 5$$

$$45 \div 5 = 9$$

$$7 \times 6 = 42$$

$$42 \div 6 = 7$$

$$42 \div 7 = 6$$

$$12 \times 5 = 60$$

$$60 \div 12 = 5$$

$$60 \div 5 = 12$$

$$10 \times 11 = 110$$

$$110 \div 10 = 11$$

$$110 \div 11 = 10$$

$$13 \times 2 = 26$$

$$26 \div 13 = 2$$

$$26 \div 2 = 13$$

$$40 \times 10 = 400$$

$$400 \div 40 = 10$$

$$400 \div 10 = 40$$

$$202 \times 4 = 808$$

$$808 \div 202 = 4$$

$$808 \div 4 = 202$$

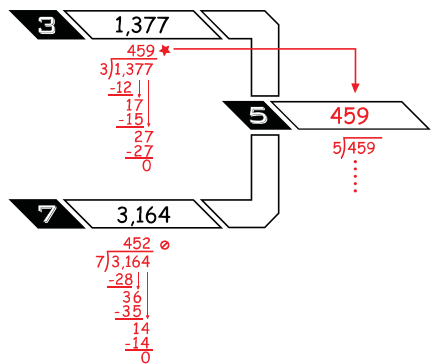


Answer Sheet

Quotient Tournament

ANSWER SHEET

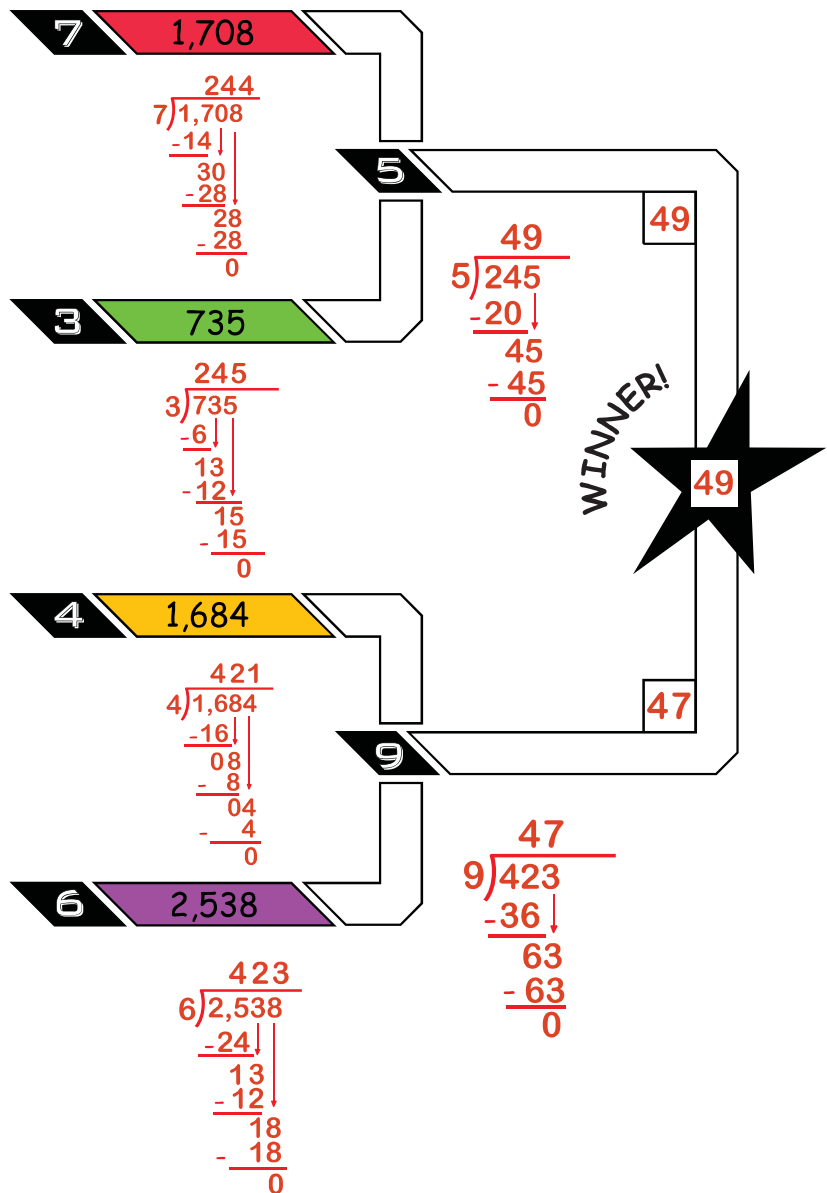
Complete each division matchup. The number with the higher quotient advances to the next round where it becomes the dividend and the number in the diamond is the divisor. Look at the example matchup below then fill out the rest of the bracket. Color in the box of the winner each round to keep track of who wins. Show your work.



Example:

$$3 \overline{)1,377} \text{ vs. } 7 \overline{)3,164}$$

Because 459 is greater than 452, it goes on to the next bracket where it is divided by next divisor in the black diamond, which happens to be 5 in this case.



Answer Sheet

Math
Division

Is it Divisible by 2?

Any number with a ones digit of 0, 2, 4, 6, or 8, is divisible by 2.
Circle the numbers in the strawberries that are divisible by 2.

