

## Riddle Time

Complete each equation. Write the corresponding letter on the line above the answer. The letters will spell out the answer to the riddle.

**Why did the police officer rush into the baseball game?**

**T**  $\frac{2}{3} + \frac{3}{4} =$  \_\_\_\_\_

**O**  $\frac{1}{2} \times \frac{1}{2} =$  \_\_\_\_\_

**S**  $8\frac{1}{3} - 3\frac{1}{2} =$  \_\_\_\_\_

**B**  $\frac{2}{3} \div \frac{1}{3} =$  \_\_\_\_\_

**M**  $2\frac{1}{4} + 3\frac{1}{2} =$  \_\_\_\_\_

**E**  $\frac{6}{5} \div \frac{2}{3} =$  \_\_\_\_\_

**A**  $7\frac{1}{3} - 2 =$  \_\_\_\_\_

**L**  $2\frac{1}{2} \times 2\frac{2}{3} =$  \_\_\_\_\_

**N**  $9\frac{3}{4} - 4\frac{1}{2} =$  \_\_\_\_\_

**D**  $2\frac{2}{3} + 1\frac{2}{3} =$  \_\_\_\_\_

**C**  $\frac{1}{3} + \frac{1}{3} =$  \_\_\_\_\_



### Remember:

To review rules for working with fractions, read these pages:

page 28—multiplying fractions

page 29—dividing fractions

page 84—adding and subtracting fractions

\_\_\_\_\_      \_\_\_\_\_      \_\_\_\_\_      \_\_\_\_\_      \_\_\_\_\_      \_\_\_\_\_  
 $4\frac{5}{6}$        $\frac{1}{4}$        $5\frac{3}{4}$        $1\frac{4}{5}$        $\frac{1}{4}$        $5\frac{1}{4}$        $1\frac{4}{5}$

\_\_\_\_\_      \_\_\_\_\_      \_\_\_\_\_      \_\_\_\_\_  
 $4\frac{5}{6}$        $1\frac{5}{12}$        $\frac{1}{4}$        $6\frac{2}{3}$        $1\frac{4}{5}$

\_\_\_\_\_      \_\_\_\_\_      \_\_\_\_\_      \_\_\_\_\_  
 $4\frac{5}{6}$        $1\frac{4}{5}$        $\frac{2}{3}$        $\frac{1}{4}$        $5\frac{1}{4}$        $4\frac{1}{3}$

\_\_\_\_\_      \_\_\_\_\_      \_\_\_\_\_      \_\_\_\_\_  
2       $5\frac{1}{3}$        $4\frac{5}{6}$        $1\frac{4}{5}$

## Skills:

Calculating with Fractions  
(Addition, Subtraction, Multiplication, Division)

Play Ball

**Skills:**

Utilizing Tree Charts to Determine All Possible Combinations

# Basketball Jerseys

The basketball team wants new jerseys this year. They are trying to decide on which combination they would like. Here are their color choices:

- jersey color choices: red, blue, green, yellow, white
- name and letter color choices: black, purple, orange

Draw a tree diagram and tell how many combinations there are.



There are \_\_\_\_\_ combinations.

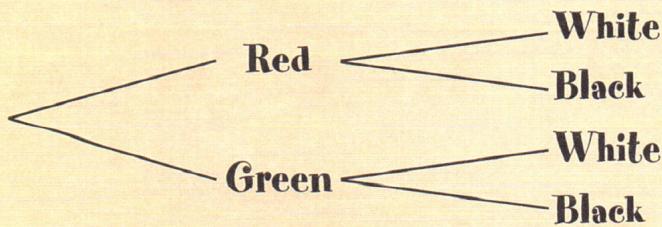
### Remember:

A **tree diagram** is a way to show the number of different combinations that can be made from a set of information. Each "branch" lists one possible combination.

Here is an example using possible colors for cars and their interiors.

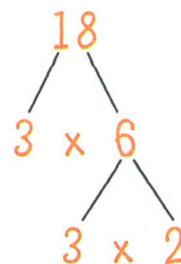
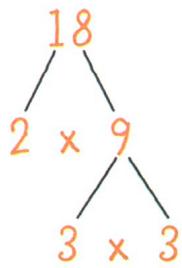
- two colors of paint (red and green)
- two colors of interiors (white and black)

Each branch lists one possible combination. There are a total of four different combinations on this tree diagram.



# Factor Trees

Factor trees can be used to find the prime factorization of any number. The following are examples of factor trees used to find the prime factorization of the number 18:



## Skills:

Calculating  
Prime  
Factorization  
for Numbers  
Less Than 100

Draw a factor tree to find the prime factorization of each of the following numbers.

1. 15

4. 14

7. 25

2. 24

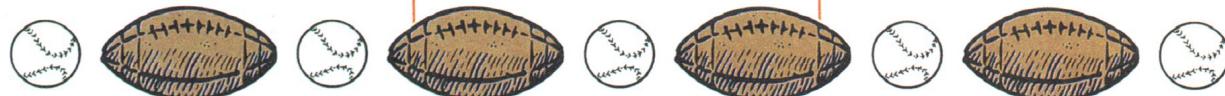
5. 45

8. 80

3. 32

6. 40

9. 16



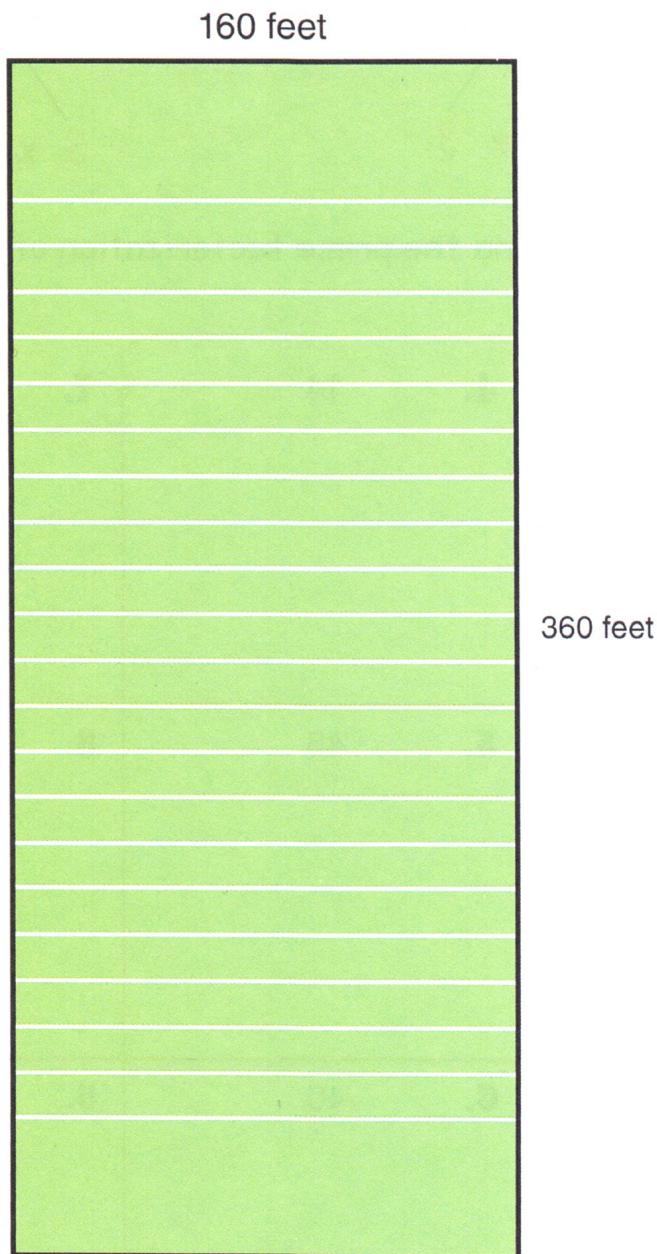
# Play Ball!

## Skills:

Calculating  
Perimeter and  
Area

## Football Field

1. Find the perimeter of the football field. \_\_\_\_\_
2. Find the area of the football field. \_\_\_\_\_



# Touchdown

Use the order of operations as you solve these math expressions.

## Skills:

Demonstrating Computation Using Order of Operation

10.  $9 \times 5 - (4 + 14) =$  \_\_\_\_\_

9.  $9 \times 5 - 4 + 14 =$  \_\_\_\_\_

8.  $15 \div (4 \times 6 \div 8) =$  \_\_\_\_\_

7.  $8 + 4 \times 3 \div 2 =$  \_\_\_\_\_

6.  $4 \times (5 + 6) \div 2 =$  \_\_\_\_\_

5.  $4 \times 5 + 6 \div 2 =$  \_\_\_\_\_

4.  $25 \div (10 - 5) =$  \_\_\_\_\_

3.  $15 - (10 \div 2) =$  \_\_\_\_\_

2.  $6 \div (6 - 3) =$  \_\_\_\_\_

1.  $9 \times (5 \times 3) =$  \_\_\_\_\_

## Remember:

Follow these steps in using order of operations:

1. Do whatever is inside the parentheses first.
2. Next, do multiplication and/or division from left to right.
3. The last step is to do addition and/or subtraction from left to right.

play Ball

# Play Ball

## Skills:

Recording  
Data on a Bar  
Graph

## Make a Basket

Kim has scored in all eight of the basketball games she has played in so far this season. The chart shows how many points she made in each game. Record this information on the line graph below.



### Kim's Scoring Record

Game 1	17 points	Game 5	11 points
Game 2	24 points	Game 6	24 points
Game 3	22 points	Game 7	30 points
Game 4	36 points	Game 8	27 points

