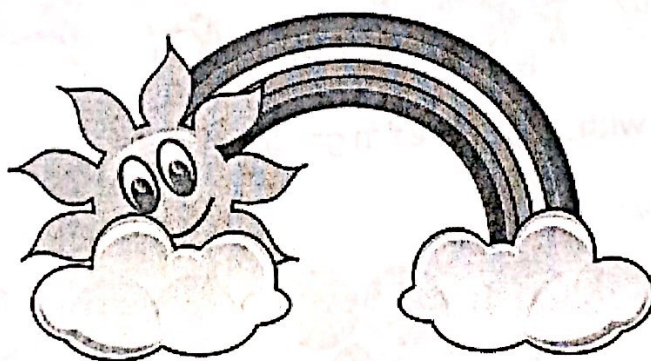


Weekly  
MATH  
Homework

September 15 - 19



**DUE TUESDAY:** *Multiplication Equations (2 pages)*

**DUE WEDNESDAY:** *Factor Rainbows page*

**DUE THURSDAY:** *Factors and Multiples page*

**DUE FRIDAY:** *Prime and Composite Numbers page*

My timed test on **FRIDAY** is on the \_\_\_\_\_ facts!

**N a m e** \_\_\_\_\_

*Parent Signature* \_\_\_\_\_

# Multiplication Equations

\*Due Tuesday!\*

Use the diagram to write the number of groups and the number in each group.

1. 6 times as many as 10



**HINT** The number of rows is the number of groups.

\_\_\_\_\_ groups with \_\_\_\_\_ in each group

2. 2 times as many as 4



\_\_\_\_\_ groups with \_\_\_\_\_ in each group

3. 6 times as many as 3



\_\_\_\_\_ groups with \_\_\_\_\_ in each group

Use the diagram to write the equation.

4. 4 times as many as 7



\_\_\_\_\_ × \_\_\_\_\_ = \_\_\_\_\_

5. 3 times as many as 2



\_\_\_\_\_ × \_\_\_\_\_ = \_\_\_\_\_

**REMEMBER** Multiply the number of groups by the number in each group.

# Multiplication Equations

\* Due Tuesday! \*

Complete each sentence.

6.  $20 = 5 \times 4$  means that 20 is \_\_\_\_\_ times as many as 4.
7.  $48 = 6 \times 8$  means that 48 is \_\_\_\_\_ times as many as 8.
8.  $27 = 3 \times 9$  means that 27 is 3 times as many as \_\_\_\_\_.
9.  $70 = 10 \times 7$  means that 70 is 7 times as much as \_\_\_\_\_.

Choose the best answer.

10. Which equation means 54 is 9 times as many as 6 and 6 times as many as 9?  
A.  $54 = 6 + 9$   
B.  $54 = 6 \times 9$   
C.  $54 = 9 - 6$   
D.  $54 = 9 \div 6$
11. Which equation means 40 is 5 times as many as 8 and 8 times as many as 5?  
A.  $40 = 5 \times 8$   
B.  $40 = 8 - 5$   
C.  $40 = 8 \div 5$   
D.  $40 = 5 + 8$

Solve.

12. A T-shirt costs \$4. A sweater costs 4 times as much as the T-shirt. How much does the sweater cost?  
\_\_\_\_\_

13. A tulip is 5 inches tall. A sunflower is 7 times as tall as the tulip. How tall is the sunflower?  
\_\_\_\_\_

14. **COMPARE** How does 6 times as many as 5 compare with 5 times as many as 6?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

15. **EXPLAIN** How would you find the price of a pen that is twice the price of a pencil that costs 11¢?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

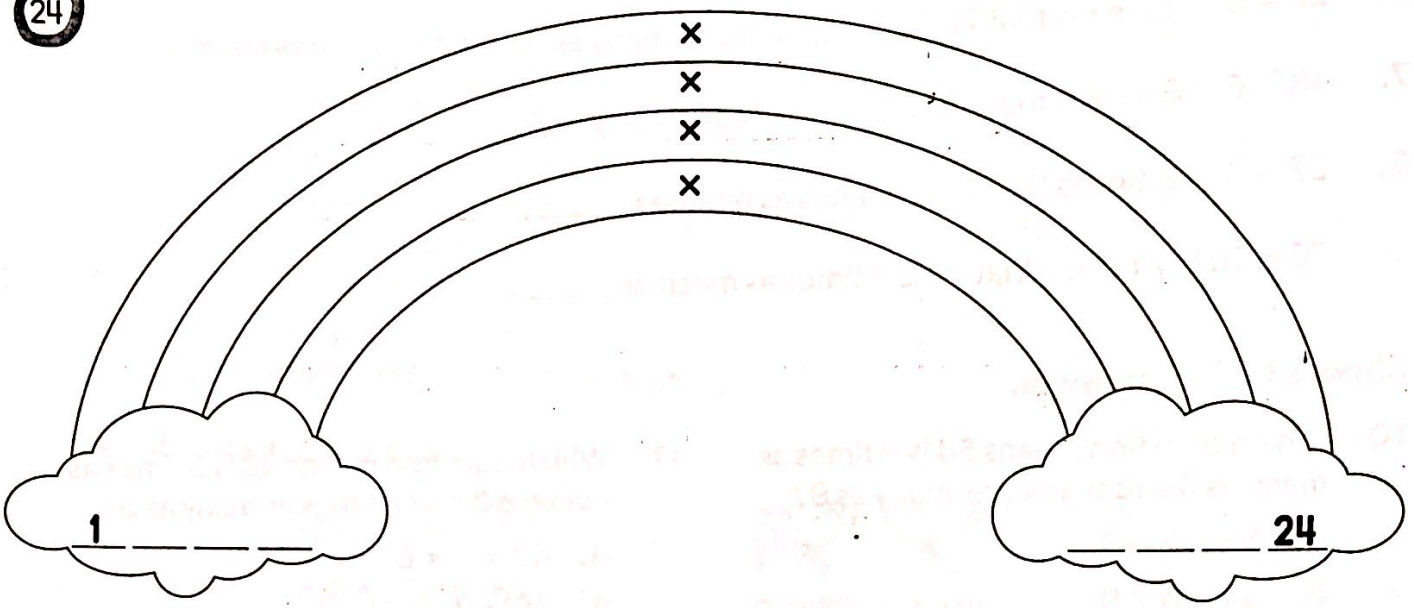
**\* Due Wednesday! \***

Name \_\_\_\_\_

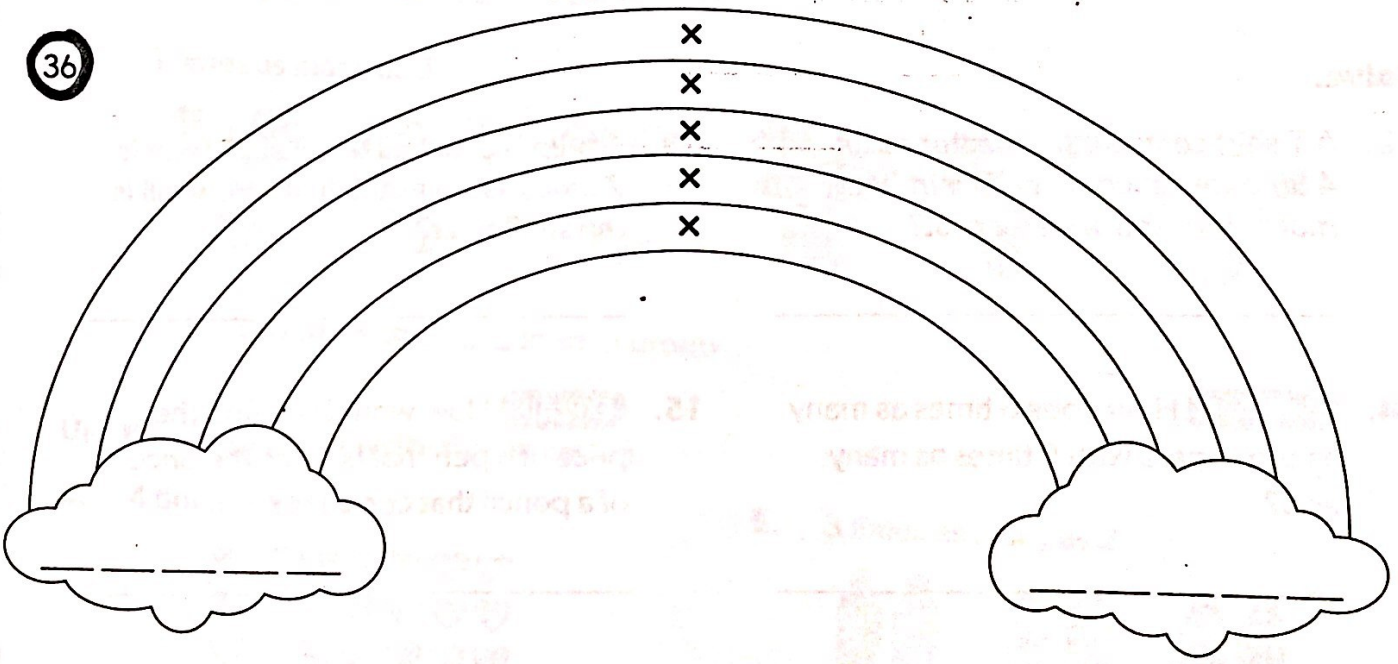
# Factor Rainbows

Complete each factor rainbow. The first one is done for you.

24



36



- I can factor numbers from 1 to 100.
- I understand that numbers are multiples of their factors

Name                     \* Due Thursday \*                    

# Factors and Multiples

You know that  $1 \times 10 = \underline{10}$  and  $2 \times 5 = \underline{10}$ .

So, 1, 2, 5, and 10 are all **factors** of 10.

You can skip count to find **multiples** of a number:

Count by 1s: 1, 2, 3, 4, 5, 6, 7, 8, 9, **10**, ...

Count by 2s: 2, 4, 6, 8, **10**, 12, ...

Count by 5s: 5, **10**, 15, 20, 25, ...

Count by 10s: **10**, 20, 30, 40, ...

Note that **10** is a multiple of 1, 2, 5, and 10. A number is a multiple of all of its factors.

A **common multiple** is a multiple of two or more numbers. So, 10 is a common multiple of 1, 2, 5, and 10.

1. Multiply to list the next five multiples of 3.

3                                                            

2. Multiply to list the next five multiples of 7.

7                                                            

Is the number a factor of 8? Write yes or no.

3. 2

4. 8

5. 15

6. 20

Is the number a multiple of 4? Write yes or no.

7. 2

8. 12

9. 16

10. 18

# Prime and Composite Numbers

A **prime number** is a whole number greater than 1 that has exactly two factors, 1 and the number itself.

A **composite number** is a whole number greater than 1 that has more than two factors.

You can use division to find the factors of a number and tell whether the number is prime or composite.

**Tell whether 55 is *prime* or *composite*.**

Use division to find all the numbers that divide into 55 without a remainder. Those numbers are the factors of 55.

$55 \div 1 = 55$ , so 1 and 55 are factors.

$55 \div 5 = 11$ , so 5 and 11 are factors.

The factors of 55 are 1, 5, 11, and 55.

Because 55 has more than two factors, 55 is a composite number.

**Tell whether 61 is *prime* or *composite*.**

Use division to find all the numbers that divide into 61 without a remainder. Those numbers are the factors of 61.

$61 \div 1 = 61$ , so 1 and 61 are factors.

There are no other numbers that divide into 61 evenly without a remainder.

The factors of 61 are 1 and 61.

Because 61 has exactly two factors, 61 is a prime number.

**Tell whether the number is *prime* or *composite*.**

1. 44

Think: Is 44 divisible by any number other than 1 and 44?

\_\_\_\_\_

2. 53

Think: Does 53 have other factors besides 1 and itself?

\_\_\_\_\_

3. 12

4. 50

5. 24

6. 67

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

7. 83

8. 27

9. 34

10. 78

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_