



Name: \_\_\_\_\_

# Math Buzz

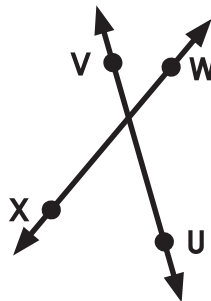
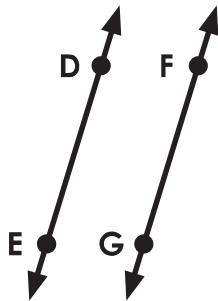
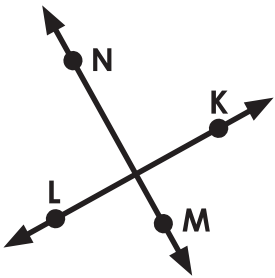
Write the number in word and expanded form.

## 3,281,798

word: \_\_\_\_\_

expanded: \_\_\_\_\_

Identify each pair of lines as parallel, intersecting, or perpendicular.



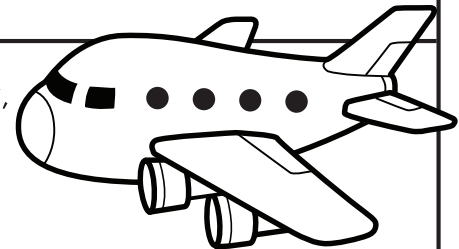
\_\_\_\_\_

Divide. **Show your work.**

$$7 \overline{)91}$$

$$2 \overline{)156}$$

The Whitakers were traveling to Sydney, Australia from New York City, but first had a layover in Los Angeles, California. The flight distance from NYC to L.A. was 3,944 kilometers. The flight distance from L.A. to Sydney was 12,051 kilometers.



About how many total kilometers did the Whitakers travel?  
Estimate by rounding each number to the nearest thousand. \_\_\_\_\_ kilometers

Exactly how many total kilometers did the Whitakers travel? \_\_\_\_\_ kilometers

Is your answer reasonable? Explain. \_\_\_\_\_

\_\_\_\_\_

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# Math Buzz

Which comparison is true?

$$\frac{3}{4} < \frac{2}{3}$$

$$\frac{3}{4} > \frac{2}{3}$$

$$\frac{3}{4} = \frac{2}{3}$$



Find the products.

$$55 \times 10 = \underline{\hspace{2cm}}$$

$$55 \times 100 = \underline{\hspace{2cm}}$$

$$55 \times 1,000 = \underline{\hspace{2cm}}$$

Is the number a factor of **36**? Write yes or no.**9****18****13****16****12****8**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

The chart below shows the size of several national parks located in the southwest region of the United States.

| National Parks | Acres  |
|----------------|--------|
| Saguaro        | 91,715 |
| Great Basin    | 77,180 |
| Mesa Verde     | 52,485 |
| Bryce Canyon   | 35,835 |

About how much larger is Saguaro National Park than Bryce Canyon?

Estimate by rounding each number to the nearest thousand.

\_\_\_\_\_ acres

Exactly how many acres larger is Saguaro National Park than Bryce Canyon?

\_\_\_\_\_ acres

Is your answer reasonable? Explain. \_\_\_\_\_

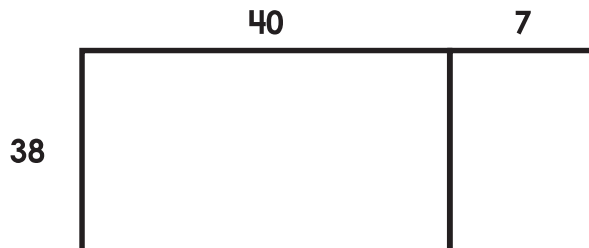
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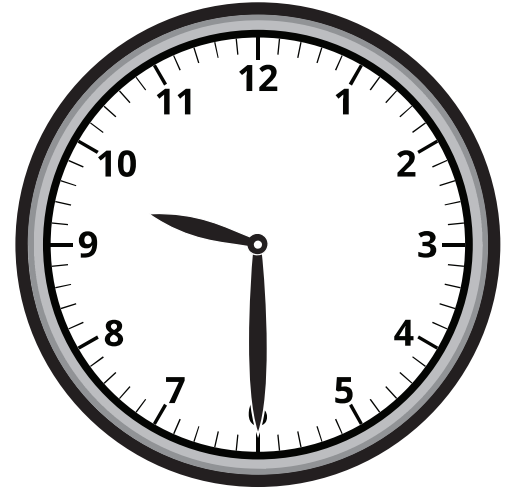
## Math Buzz

Complete the area model. Then use the distributive property of multiplication to find the product.



$$\begin{aligned}
 38 \times 47 &= 38 \times (40 + 7) \\
 &= (38 \times 40) + (38 \times 7) \\
 &= \underline{\hspace{2cm}} + \underline{\hspace{2cm}} \\
 &= \underline{\hspace{2cm}}
 \end{aligned}$$

The clock below shows the time Ms. Gorman's math class begins. When class ends, the minute hand will have moved  $270^\circ$ . What time does math class end?



\_\_\_\_\_ A.M.

The width of Aiden's laptop is 24 centimeters. The length of the laptop is 12 centimeters longer than the width. Find the perimeter of the laptop.

Perimeter = \_\_\_\_\_ centimeters



Determine which choice best represents the equation.

**54 is 9 times as many as 6**

a.  $54 = 9 + 6$

b.  $6 \times 9 = 54$

c.  $6 + 9 = 54$

d.  $54 = 9 \times 9$

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# Math Buzz



Is the number a multiple of 7? Write yes or no.

72

98

63

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

84

57

105

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Find the quotients.

$$41,000 \div 10 = \underline{\hspace{2cm}}$$

$$41,000 \div 100 = \underline{\hspace{2cm}}$$

$$41,000 \div 1,000 = \underline{\hspace{2cm}}$$

Write the fractions in order from **least** to **greatest**.

$$\frac{3}{5}, \frac{4}{10}, \frac{1}{2}$$

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

The Shop-N-Go convenience store at the corner of Parkside Avenue and Winthrop Street is open 24 hours a day, 7 days a week. How many hours is the store open each week?

**Show your work.**



answer: \_\_\_\_\_ hours



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# Math Buzz

Jacinda was 4 feet 6 inches tall last September. She grew 3 inches in the past year. How tall, in inches, is Jacinda now?

## Standard Units of Length

1 foot = 12 inches

answer: \_\_\_\_\_ inches

Divide. **Show your work.**

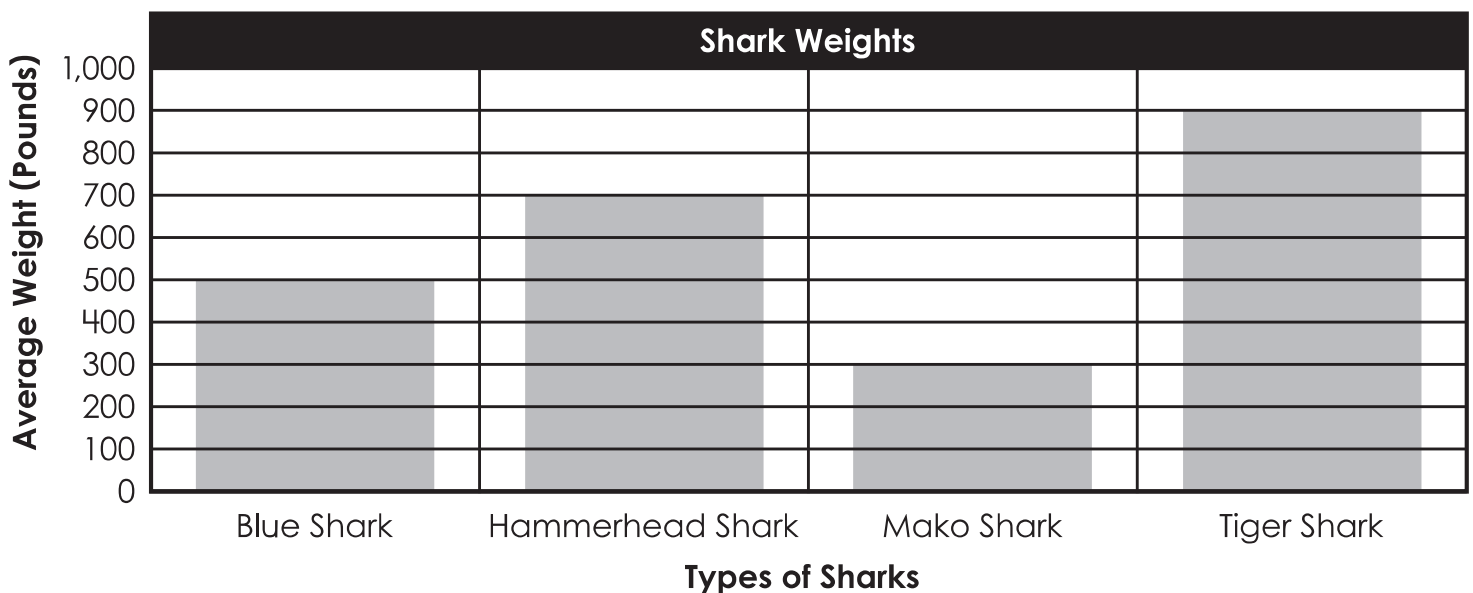
$$3 \overline{)79}$$

$$6 \overline{)268}$$

Compare the values of the underlined digits. Fill in **more** or **less** to complete the sentence.

The value of the 8 in 34,835 is ten times \_\_\_\_\_ than the value of the 8 in 58,314.

Elijah is researching sharks for his science project. The graph shows the average weight for four different types of sharks he researched.



Which shark has the lowest average weight? \_\_\_\_\_

What is the difference between the average weight of a Hammerhead Shark and Tiger Shark? \_\_\_\_\_

How much greater is the average weight of a Tiger Shark than the average weight of a Mako Shark and Blue Shark combined? \_\_\_\_\_