

Name _____

Math Summer Review for 5th Grade

*Required and will count as first test grade. It is to be handed in the first day of school in Sept.

$$\begin{array}{r} 3,136 \\ - 473 \\ \hline \end{array}$$

$$\begin{array}{r} 9,043 \\ + 557 \\ \hline \end{array}$$

$$\begin{array}{r} 561 \\ + 8,410 \\ \hline \end{array}$$

$$\begin{array}{r} 4,300 \\ - 2,933 \\ \hline \end{array}$$

$$\begin{array}{r} 89,441 \\ + 98,329 \\ \hline \end{array}$$

$$\begin{array}{r} 20,431 \\ - 17,642 \\ \hline \end{array}$$

$$\begin{array}{r} 31,043 \\ + 56,631 \\ \hline \end{array}$$

$$\begin{array}{r} 18,005 \\ + 40,907 \\ \hline \end{array}$$

$$\begin{array}{r} \$30,048 \\ - 19,338 \\ \hline \end{array}$$

$$\begin{array}{r} 124,543 \\ + 96,883 \\ \hline \end{array}$$

$$\begin{array}{r} 321,658 \\ - 197,369 \\ \hline \end{array}$$

$$\begin{array}{r} 76,509 \\ + 120,306 \\ \hline \end{array}$$

The area of California is 424,002 square kilometers. New York measures 141,079 square kilometers. How many square kilometers are New York and California altogether?

30. The area of Texas is 695,676 square kilometers. That's 525,368 more square kilometers than Florida. What is the area of Florida in square kilometers?

$$\begin{array}{r} 781 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 984 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 769 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 3,297 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 2,904 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} \$2,490 \\ \times 60 \\ \hline \end{array}$$

$$\begin{array}{r} 6,351 \\ \times 47 \\ \hline \end{array}$$

$$\begin{array}{r} \$5,997 \\ \times 56 \\ \hline \end{array}$$

$$\begin{array}{r} 8,812 \\ \times 52 \\ \hline \end{array}$$

$$\begin{array}{r} \$3,006 \\ \times 28 \\ \hline \end{array}$$

$$\begin{array}{r} 12,638 \\ \times 49 \\ \hline \end{array}$$

$$\begin{array}{r} 11,362 \\ \times 25 \\ \hline \end{array}$$

$$\begin{array}{r} \$31,999 \\ \times 13 \\ \hline \end{array}$$

$$\begin{array}{r} 31,456 \\ \times 17 \\ \hline \end{array}$$

$$\begin{array}{r} 30,045 \\ \times 21 \\ \hline \end{array}$$

$$43 \times 65 = \underline{\hspace{2cm}}$$

$$90 \times 22 = \underline{\hspace{2cm}}$$

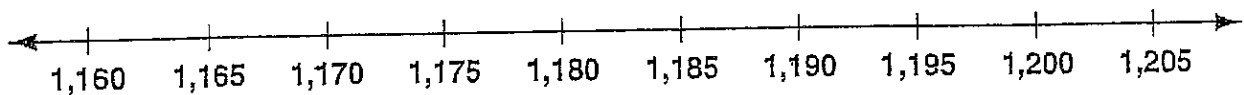
$$35 \times \$77 = \underline{\hspace{2cm}}$$

Complete the table.

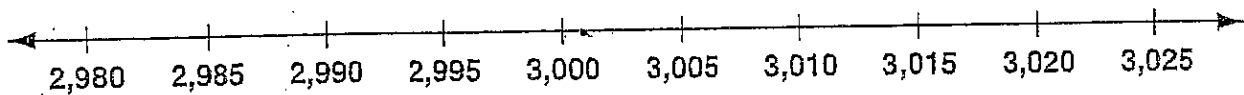
Standard Form	Word Name	Expanded Form
	four hundred fifty-eight	
	one thousand, twenty-three	
		$5,000 + 600 + 8$
		$20,000 + 3,000 + 500 + 9$

Order the numbers on the number line.

The numbers of baseball caps sold at four different games are 1,178; 1,201; 1,172; 1,187.



The numbers of people who attended four baseball games are 3,006; 2,988; 2,998; 3,016.



Evaluate the expression.

$a + 5$ for $a = 5$ _____

$m - 1$ for $m = 18$ _____

$p - 17$ for $p = 36$ _____

$92 + t$ for $t = 65$ _____

Evaluate the expression.

$3 \times a$ for $a = 7$ _____

$x \div 3$ for $x = 12$ _____

$m \div 5$ for $m = 75$ _____

$7 \times r$ for $r = 6$ _____

$36 \times h$ for $h = 3$ _____

$y \div 8$ for $y = 56$ _____

Use mental math to complete the pattern.

$5 \times 1 = 5$

$8 \times 2 = 16$

$2 \times 50 = 100$

$5 \times 10 = 50$

$8 \times 20 = 160$

$20 \times 50 = 1,000$

$5 \times 100 = \underline{\hspace{2cm}}$

$8 \times 200 = \underline{\hspace{2cm}}$

$200 \times 50 = \underline{\hspace{2cm}}$

$5 \times 1,000 = \underline{\hspace{2cm}}$

$8 \times 2,000 = \underline{\hspace{2cm}}$

$2,000 \times 50 = \underline{\hspace{2cm}}$

Use mental math to complete the pattern.

$16 \div 8 = 2$

$45 \div 9 = 5$

$63 \div 7 = 9$

$160 \div 8 = 20$

$450 \div 9 = 50$

$630 \div 7 = 90$

$1,600 \div 8 = \underline{\hspace{2cm}}$

$4,500 \div 9 = \underline{\hspace{2cm}}$

$6,300 \div 7 = \underline{\hspace{2cm}}$

$42 \div 7 = 6$

$56 \div 8 = 7$

$30 \div 6 = 5$

$420 \div 7 = 60$

$560 \div 8 = 70$

$300 \div 6 = 50$

$4,200 \div 7 = \underline{\hspace{2cm}}$

$5,600 \div 8 = \underline{\hspace{2cm}}$

$3,000 \div 6 = \underline{\hspace{2cm}}$

Use mental math to complete the pattern.

$360 \div 60 = 6$

$150 \div 50 = 3$

$540 \div 90 = 6$

$3,600 \div 60 = 60$

$1,500 \div 50 = \underline{\hspace{2cm}}$

$5,400 \div 90 = \underline{\hspace{2cm}}$

$36,000 \div 60 = \underline{\hspace{2cm}}$

$15,000 \div 50 = \underline{\hspace{2cm}}$

$54,000 \div 90 = \underline{\hspace{2cm}}$

$270 \div 90 = 3$

$630 \div 70 = 9$

$810 \div 90 = 9$

$2,700 \div 90 = \underline{\hspace{2cm}}$

$6,300 \div 70 = \underline{\hspace{2cm}}$

$8,100 \div 90 = \underline{\hspace{2cm}}$

$27,000 \div 90 = \underline{\hspace{2cm}}$

$63,000 \div 70 = \underline{\hspace{2cm}}$

$81,000 \div 90 = \underline{\hspace{2cm}}$

Solve

$\frac{2,418}{6} = \underline{\hspace{2cm}}$

$\frac{686}{2} = \underline{\hspace{2cm}}$

$\frac{1,546}{7} = \underline{\hspace{2cm}}$

$1,525 \div 8 = \underline{\hspace{2cm}}$

$3,040 \div 5 = \underline{\hspace{2cm}}$

$727 \div 7 = \underline{\hspace{2cm}}$

Solve.

$615 \div 2$

$1,982 \div 3$

$4,537 \div 9$

$70 \overline{)21,000}$

$80 \overline{)16,000}$

$60 \overline{)48,000}$

$90 \overline{)63,000}$

$60 \overline{)4,200}$

$70 \overline{)28,000}$

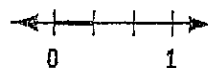
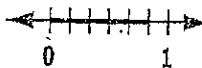
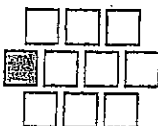
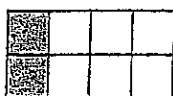
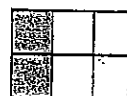
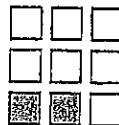
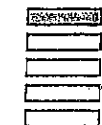
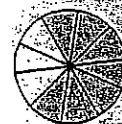
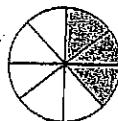
Five buses were rented for the trip. Each bus costs \$300. If the school collected \$10 from each of the 195 students going on the trip, would there be enough money for the buses? Explain how you decided.

All 195 fifth graders are going on a class field trip to Washington, D.C. They will be staying in a hotel near the White House. The rooms are set up for 6 students. How many rooms will be needed?

The driving distance between Dallas, Texas, and New York City is 1,604 miles. You plan to make the drive in 4 days and want to drive the same number of miles each day. How many miles will you have to drive each day?

In 1990, a guitar once owned by Paul McCartney was sold for \$330,000. If the price had been \$10,000 higher, what would the guitar have sold for?

Write the fraction for the part that is shaded.



Write the fraction.

nine twelfths _____

three sixths _____

four eighths _____

The numerator is 2.

The numerator is 5.

The denominator is 5. _____

The denominator is 8. _____

List all the factors of the number. Is it *prime* or *composite*?

10 _____

24 _____

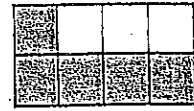
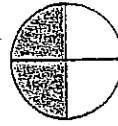
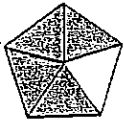
23 _____

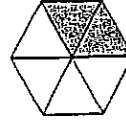
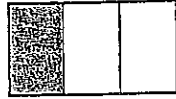
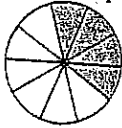
26 _____

9 _____

33 _____

Write two equivalent fractions for the shaded region.





Complete.

$$\frac{3}{4} = \frac{9}{\square}$$

$$\frac{12}{20} = \frac{3}{\square}$$

$$\frac{8}{10} = \frac{\square}{5}$$

$$\frac{9}{15} = \frac{3}{\square}$$

$$\frac{10}{20} = \frac{\square}{2}$$

$$\frac{15}{25} = \frac{\square}{5}$$

$$\frac{2}{12} = \frac{1}{\square}$$

$$\frac{6}{9} = \frac{\square}{3}$$

$$\frac{2}{3} = \frac{\square}{18}$$

Complete.

$$\frac{5}{30} = \frac{\square}{6}$$

$$\frac{4}{28} = \frac{1}{\square}$$

$$\frac{14}{21} = \frac{2}{\square}$$

$$\frac{15}{20} = \frac{3}{\square}$$

$$\frac{16}{18} = \frac{\square}{9}$$

$$\frac{7}{35} = \frac{\square}{5}$$

$$\frac{12}{14} = \frac{6}{\square}$$

$$\frac{3}{30} = \frac{\square}{10}$$

$$\frac{9}{15} = \frac{3}{\square}$$

$$\frac{3}{12} = \frac{1}{\square}$$

$$\frac{4}{32} = \frac{1}{\square}$$

$$\frac{20}{30} = \frac{\square}{3}$$

Add. You may use a model to help you.

$$\begin{array}{r} \frac{2}{5} \\ + \frac{1}{5} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{3}{8} \\ + \frac{2}{8} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{7}{10} \\ + \frac{2}{10} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{3}{6} \\ + \frac{2}{6} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{1}{7} \\ + \frac{2}{7} \\ \hline \end{array}$$

Subtract. You may use a model to help you.

$$\begin{array}{r} \frac{5}{6} \\ - \frac{4}{6} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{11}{12} \\ - \frac{4}{12} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{4}{7} \\ - \frac{3}{7} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{6}{9} \\ - \frac{2}{9} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{7}{8} \\ - \frac{4}{8} \\ \hline \end{array}$$

Add. You may use a model to help you.

$$\begin{array}{r} 1\frac{1}{3} \\ + 2\frac{2}{3} \\ \hline \end{array}$$

$$\begin{array}{r} 2\frac{5}{8} \\ + 1\frac{3}{8} \\ \hline \end{array}$$

$$\begin{array}{r} 7\frac{1}{4} \\ + 2\frac{3}{4} \\ \hline \end{array}$$

$$\begin{array}{r} 2\frac{2}{5} \\ + 4\frac{2}{5} \\ \hline \end{array}$$

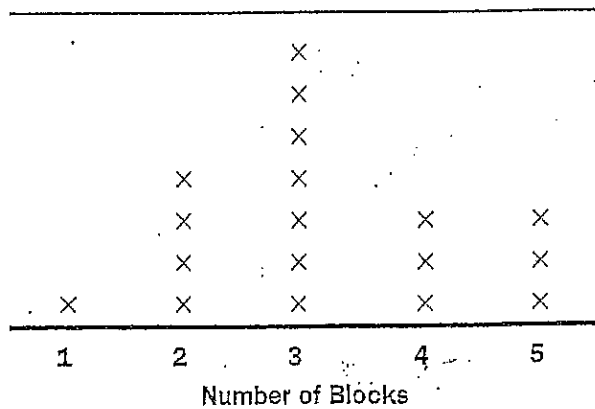
Use the line plot for problems 1-4.

1. How many students were surveyed?

2. How many students live 2 blocks from school?

3. How many students live the furthest distance from school?

**Number of Blocks
Students Live from School**



What can you conclude from the line plot?

Use the single-bar graph for problems 1–4.

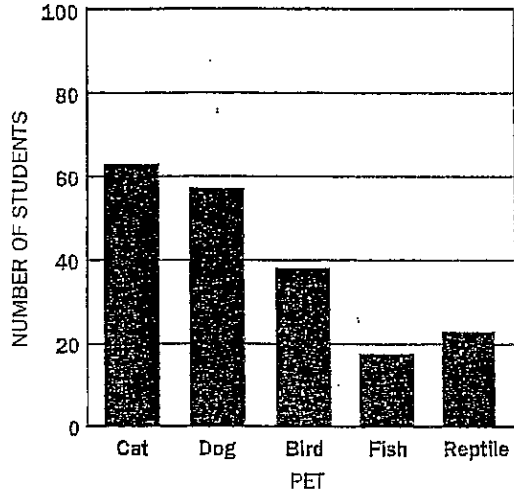
1. About how many students own dogs?

2. About how many more students own cats than own birds?

3. About how many students own pets that are neither cats nor dogs?

4. About how many students in the fifth grade own pets?

**Pets Owned by Students
in the Fifth Grade**



Use the double-bar graph for problems 5–8.

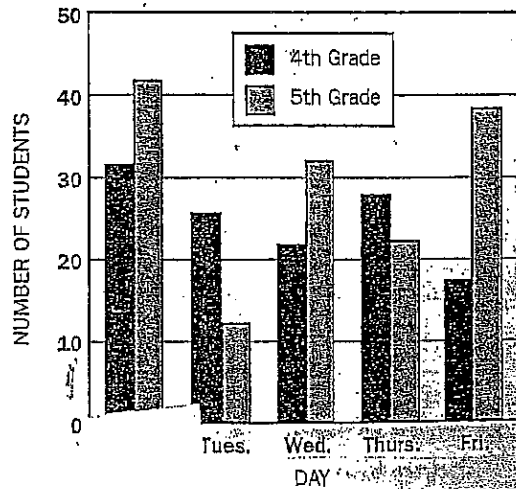
5. Which grade bought more lunches?

6. About how many more fifth graders than fourth graders bought lunch on Wednesday?

7. On which days did the fourth graders buy more lunches?

8. If there are 102 students in the fifth grade, how many students did not buy lunch on Monday?

**Number of Students
Who Buy Lunch**



Draw all the lines of symmetry.

1.

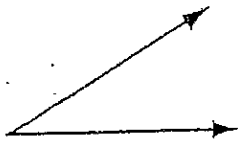


2.

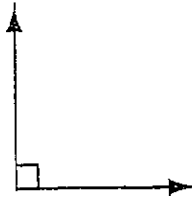


Identify the angle as *acute*, *right*, *obtuse*, or *straight*.

1.



2.



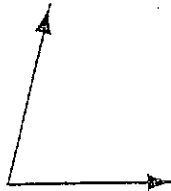
3.



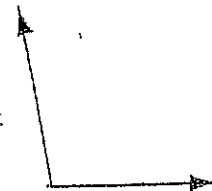
4.



5.

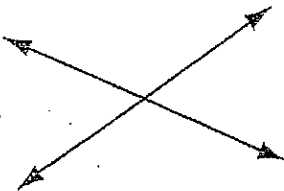


6.

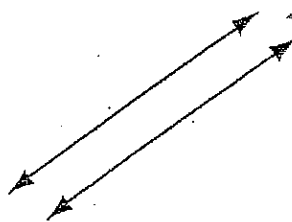


Name the pair of lines as *intersecting*, *parallel*, or *perpendicular*.

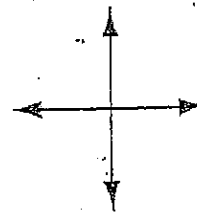
7.



8.



9.



Solve using any method.

A neighborhood block party is being planned. The organizers want to buy 5 hot dogs for every 8 people. Complete the table to see how many hot dogs they should buy for 72 people.

People	8	16	32	64	72
Hot Dogs	5	10			

Jackson works in the pet store. He spends 2 hours feeding the animals and $1\frac{1}{2}$ hours cleaning their cages. It takes him 1 hour to stock the shelves and $\frac{1}{2}$ hour to clean the filters in the fish tanks. If he wants to go home at 6 P.M., at what time should he start his chores?