

Dear 5th graders:

Congratulations, you made it through your math class this year! Here is a packet to do over the summer to keep your math skills sharp, because you want to be ready for your new math class in the fall. Complete your summer packet without using a calculator and remember to show all of your work. Do not do the whole packet right away, or you will forget some of the concepts before the fall. Do not leave the packet until the end of the summer, or you will have forgotten some of the concepts. Spread your practice out over the summer weeks or call a friend and practice together. Bring your packet to Math class the first week of school for review (and a grade).

You will find that the first several pages are practicing your math facts. Knowing your facts without hesitation is a MUST for middle school. Be sure to practice them often.

Some helpful websites are:

www.aplusmath.com Go under “flashcards” to practice adding, subtracting, and multiplying

www.ixl.com Our school has an account, and each student has a unique login and password.

Other games and activities you can play:

Take a deck of cards and remove the face cards (kings, queens, jacks). Aces are one. Divide the cards evenly among 2 players. Each player flips over a card. The first one to add the 2 numbers correctly the fastest wins the cards. After going through the pile of cards, the player with the most cards wins. You can do a subtraction or multiplication version as well.

See you next year & have fun!
Ms. Messner

Addition Two Minute Timing # 8 (do this weekly to check your progress)

[illegible]

$$\begin{array}{ccccccc} 5 & 3 & 9 & 8 & 7 & 2 & 4 & 0 & 7 \\ +8 & +3 & +5 & +4 & +7 & +9 & +0 & +9 & +5 \\ \hline \end{array}$$

$$\begin{array}{ccccccc} 8 & 2 & 5 & 2 & 5 & 3 & 4 & 5 & 9 \\ +5 & +8 & +6 & +5 & +9 & +3 & +1 & +7 & +3 \\ \hline \end{array}$$

$$\begin{array}{ccccccccc}8 & 1 & 6 & 9 & 4 & 7 & 6 & 9 & 6 \\+2 & +1 & +3 & +9 & +3 & +4 & +7 & +6 & +2 \\ \hline\end{array}$$

$$\begin{array}{ccccccc} 2 & 4 & 1 & 6 & 9 & 8 & 5 \\ +2 & +8 & +7 & +5 & +2 & +6 & +2 \\ \hline & & & & & & 3 \\ & & & & & & 9 \\ & & & & & & +7 \\ & & & & & & \hline & & & & & & 4 \\ & & & & & & +4 \end{array}$$

$$\begin{array}{cccccccc} 8 & 7 & 6 & 1 & 7 & 5 & 9 & 2 \\ +3 & +8 & +2 & +3 & +9 & +5 & +4 & +1 \\ \hline & & & & & & & +0 \\ & & & & & & & +7 \end{array}$$

$$\begin{array}{ccccccc} 2 & 2 & 6 & 0 & 4 & 8 & 1 \\ +4 & +9 & +8 & +7 & +7 & +0 & +5 \\ \hline 6 & 11 & 14 & 7 & 11 & 8 & 6 \end{array}$$

[illegible]

(do this weekly to check your progress)

$$\begin{array}{ccccccc} 6 & 7 & 2 & 2 & 7 & 5 & 8 & 6 & 1 \\ +0 & +9 & +1 & +7 & +8 & +5 & +3 & +2 & +3 \\ \hline \end{array}$$

$$\begin{array}{cccccccc} 6 & 4 & 9 & 5 & 1 & 7 & 6 & 8 & 9 \\ +2 & +3 & +6 & +4 & +1 & +4 & +7 & +2 & +3 \\ \hline \end{array}$$

$$\begin{array}{ccccccc} 5 & 5 & 4 & 9 & 2 & 7 & 3 \\ +7 & +9 & +1 & +3 & +8 & +3 & +6 \\ \hline 5 & 5 & 5 & 5 & 5 & 5 & 5 \end{array}$$

[illegible]

[illegible]

$$\begin{array}{ccccccc} 2 & 8 & 6 & 3 & 3 & 4 & 6 \\ +3 & +8 & +1 & +8 & +9 & +9 & +9 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ +9 \\ \hline \end{array} \begin{array}{r} 7 \\ +7 \\ \hline \end{array} \begin{array}{r} 4 \\ +0 \\ \hline \end{array} \begin{array}{r} 7 \\ +5 \\ \hline \end{array} \begin{array}{r} 3 \\ +3 \\ \hline \end{array} \begin{array}{r} 8 \\ +9 \\ \hline \end{array} \begin{array}{r} 2 \\ +6 \\ \hline \end{array} \begin{array}{r} 5 \\ +8 \\ \hline \end{array} \begin{array}{r} 9 \\ +5 \\ \hline \end{array} \begin{array}{r} 8 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{ccccccc} 9 & 4 & 1 & 3 & 2 & 6 & 0 \\ +8 & +7 & +5 & +4 & +9 & +4 & +7 \\ \hline \end{array}$$

$$\begin{array}{ccccccc} 2 & 8 & 5 & 3 & 4 & 1 & 6 \\ +2 & +6 & +2 & +7 & +8 & +7 & +5 \\ \hline & & & & & & 9 \\ & & & & & & +2 \\ & & & & & & \hline & & & & & & 9 \\ & & & & & & +7 \\ & & & & & & \hline & & & & & & 4 \\ & & & & & & +4 \\ & & & & & & \hline \end{array}$$

$$\frac{8}{+3} \frac{5}{+5} \frac{9}{+4} \frac{2}{+1} \frac{7}{+8} \frac{6}{+2} \frac{1}{+3} \frac{7}{+9} \frac{6}{+0} \frac{2}{+7}$$

$$\begin{array}{cccccccc} 8 & 7 & 4 & 6 & 3 & 5 & 8 & 0 \\ +1 & +2 & +5 & +9 & +5 & +3 & +7 & +3 \\ \hline 8 & 7 & 4 & 6 & 3 & 5 & 8 & 0 \\ +1 & +2 & +5 & +9 & +5 & +3 & +7 & +3 \\ \hline \end{array}$$

$$\begin{array}{cccccccc} 5 & 8 & 2 & 4 & 3 & 9 & 8 & 7 \\ +8 & +9 & +6 & +0 & +3 & +5 & +4 & +7 \\ \hline +8 & +9 & +6 & +0 & +3 & +5 & +4 & +7 \\ \hline 5 & 8 & 2 & 4 & 3 & 9 & 8 & 7 \\ +8 & +9 & +6 & +0 & +3 & +5 & +4 & +7 \\ \hline \end{array}$$

$$\begin{array}{ccccccc} 8 & 7 & 3 & 4 & 2 & 5 & 5 \\ +5 & +3 & +6 & +1 & +8 & +5 & 9 \\ \hline +5 & +3 & +6 & +1 & +8 & +5 & 9 \\ \hline \end{array}$$

$$\begin{array}{ccccccccc} 8 & 7 & 6 & 9 & 1 & 6 & 9 & 4 & 5 \\ +2 & +4 & +7 & +6 & +1 & +3 & +9 & +3 & + \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +4 \\ \hline \end{array} \begin{array}{r} 8 \\ +0 \\ \hline \end{array} \begin{array}{r} 6 \\ +4 \\ \hline \end{array} \begin{array}{r} 1 \\ +5 \\ \hline \end{array} \begin{array}{r} 2 \\ +9 \\ \hline \end{array} \begin{array}{r} 6 \\ +8 \\ \hline \end{array} \begin{array}{r} 0 \\ +7 \\ \hline \end{array} \begin{array}{r} 4 \\ +7 \\ \hline \end{array} \begin{array}{r} 9 \\ +8 \\ \hline \end{array} \begin{array}{r} 3 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{ccccccc} \frac{3}{+2} & \frac{6}{+6} & \frac{4}{+9} & \frac{6}{+1} & \frac{3}{+9} & \frac{4}{+6} & \frac{6}{+9} \\ & & & & & & \frac{8}{+8} \\ & & & & & & \frac{2}{+3} \\ & & & & & & \frac{3}{+8} \end{array}$$

Subtraction Two Minute Timing # 8 (do this weekly to check your progress)

6	5	15	10	5	6	16	11	15	11
<u>-3</u>	<u>-3</u>	<u>-7</u>	<u>-9</u>	<u>-4</u>	<u>-4</u>	<u>-7</u>	<u>-6</u>	<u>-9</u>	<u>-7</u>

$$\begin{array}{cccccccc} 14 & 7 & 7 & 8 & 7 & 18 & 6 & 8 \\ -6 & -2 & -1 & -2 & -6 & -8 & -5 & -4 \\ \hline \hline & & & & & & & \end{array}$$

$$\begin{array}{cccccccccccccccc} 6 & 15 & 11 & 17 & 16 & 10 & 7 & 4 & 12 & 16 \\ -2 & -8 & -3 & -9 & -8 & -4 & -3 & -3 & -5 & -9 \end{array}$$

$$\begin{array}{ccccccc} 9 & 8 & 13 & 9 & 11 & 15 & 12 \\ -\underline{\underline{5}} & -\underline{\underline{6}} & -\underline{\underline{8}} & -\underline{\underline{3}} & -\underline{\underline{8}} & -\underline{\underline{6}} & -\underline{\underline{3}} \\ & & & & & & \end{array}$$

$$\begin{array}{ccccccccc}9 & 10 & 10 & 7 & 11 & 14 & 11 & 12 & 9 \\-1 & -8 & -7 & -4 & -4 & -7 & -5 & -4 & -2\end{array}$$

$$\begin{array}{r} 5 \\ -2 \\ \hline \end{array} \begin{array}{r} 9 \\ -7 \\ \hline \end{array} \begin{array}{r} 9 \\ -6 \\ \hline \end{array} \begin{array}{r} 10 \\ -5 \\ \hline \end{array} \begin{array}{r} 10 \\ -2 \\ \hline \end{array} \begin{array}{r} 8 \\ -7 \\ \hline \end{array} \begin{array}{r} 10 \\ -3 \\ \hline \end{array} \begin{array}{r} 5 \\ -1 \\ \hline \end{array} \begin{array}{r} 13 \\ -6 \\ \hline \end{array} \begin{array}{r} 13 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{ccccccc} 10 & 5 & 11 & 13 & 12 & 1 & 9 \\ -1 & -5 & -9 & -4 & -8 & -1 & -8 \\ \hline & & & & & & -7 \end{array}$$

$$\begin{array}{cccccccc} 14 & 13 & 13 & 4 & 8 & 14 & 9 & 14 \\ -8 & -7 & -5 & -2 & -1 & -9 & -4 & -5 \end{array} \begin{array}{c} 8 \\ 3 \end{array}$$

Subtraction Two Minute Timing # 9 (do this weekly to check your progress)

$$\begin{array}{r} 10 \\ -1 \\ \hline \end{array} \begin{array}{r} 12 \\ -9 \\ \hline \end{array} \begin{array}{r} 13 \\ -4 \\ \hline \end{array} \begin{array}{r} 1 \\ -1 \\ \hline \end{array} \begin{array}{r} 9 \\ -8 \\ \hline \end{array} \begin{array}{r} 12 \\ -6 \\ \hline \end{array} \begin{array}{r} 5 \\ -5 \\ \hline \end{array} \begin{array}{r} 12 \\ -8 \\ \hline \end{array} \begin{array}{r} 11 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -3 \\ \hline \end{array} \begin{array}{r} 16 \\ -7 \\ \hline \end{array} \begin{array}{r} 11 \\ -7 \\ \hline \end{array} \begin{array}{r} 10 \\ -9 \\ \hline \end{array} \begin{array}{r} 11 \\ -6 \\ \hline \end{array} \begin{array}{r} 15 \\ -9 \\ \hline \end{array} \begin{array}{r} 6 \\ -4 \\ \hline \end{array} \begin{array}{r} 5 \\ -3 \\ \hline \end{array} \begin{array}{r} 5 \\ -4 \\ \hline \end{array} \begin{array}{r} 15 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -5 \\ \hline \end{array} \begin{array}{r} 12 \\ -3 \\ \hline \end{array} \begin{array}{r} 9 \\ -0 \\ \hline \end{array} \begin{array}{r} 9 \\ -3 \\ \hline \end{array} \begin{array}{r} 3 \\ -2 \\ \hline \end{array} \begin{array}{r} 10 \\ -6 \\ \hline \end{array} \begin{array}{r} 15 \\ -6 \\ \hline \end{array} \begin{array}{r} 8 \\ -6 \\ \hline \end{array} \begin{array}{r} 11 \\ -8 \\ \hline \end{array} \begin{array}{r} 13 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ -6 \\ \hline \end{array} \begin{array}{r} 17 \\ -8 \\ \hline \end{array} \begin{array}{r} 7 \\ -5 \\ \hline \end{array} \begin{array}{r} 8 \\ -2 \\ \hline \end{array} \begin{array}{r} 6 \\ -5 \\ \hline \end{array} \begin{array}{r} 8 \\ -4 \\ \hline \end{array} \begin{array}{r} 18 \\ -9 \\ \hline \end{array} \begin{array}{r} 7 \\ -2 \\ \hline \end{array} \begin{array}{r} 7 \\ -6 \\ \hline \end{array} \begin{array}{r} 7 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -1 \\ \hline \end{array} \begin{array}{r} 11 \\ -5 \\ \hline \end{array} \begin{array}{r} 11 \\ -2 \\ \hline \end{array} \begin{array}{r} 7 \\ -4 \\ \hline \end{array} \begin{array}{r} 12 \\ -4 \\ \hline \end{array} \begin{array}{r} 9 \\ -2 \\ \hline \end{array} \begin{array}{r} 14 \\ -7 \\ \hline \end{array} \begin{array}{r} 10 \\ -8 \\ \hline \end{array} \begin{array}{r} 11 \\ -4 \\ \hline \end{array} \begin{array}{r} 10 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -2 \\ \hline \end{array} \begin{array}{r} 7 \\ -3 \\ \hline \end{array} \begin{array}{r} 16 \\ -9 \\ \hline \end{array} \begin{array}{r} 17 \\ -9 \\ \hline \end{array} \begin{array}{r} 4 \\ -3 \\ \hline \end{array} \begin{array}{r} 12 \\ -5 \\ \hline \end{array} \begin{array}{r} 10 \\ -4 \\ \hline \end{array} \begin{array}{r} 15 \\ -8 \\ \hline \end{array} \begin{array}{r} 16 \\ -8 \\ \hline \end{array} \begin{array}{r} 11 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ -8 \\ \hline \end{array} \begin{array}{r} 9 \\ -4 \\ \hline \end{array} \begin{array}{r} 8 \\ -3 \\ \hline \end{array} \begin{array}{r} 4 \\ -2 \\ \hline \end{array} \begin{array}{r} 14 \\ -5 \\ \hline \end{array} \begin{array}{r} 8 \\ -5 \\ \hline \end{array} \begin{array}{r} 14 \\ -9 \\ \hline \end{array} \begin{array}{r} 13 \\ -7 \\ \hline \end{array} \begin{array}{r} 8 \\ -1 \\ \hline \end{array} \begin{array}{r} 13 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -2 \\ \hline \end{array} \begin{array}{r} 10 \\ -3 \\ \hline \end{array} \begin{array}{r} 13 \\ -9 \\ \hline \end{array} \begin{array}{r} 10 \\ -5 \\ \hline \end{array} \begin{array}{r} 5 \\ -1 \\ \hline \end{array} \begin{array}{r} 13 \\ -6 \\ \hline \end{array} \begin{array}{r} 8 \\ -7 \\ \hline \end{array} \begin{array}{r} 9 \\ -7 \\ \hline \end{array} \begin{array}{r} 10 \\ -2 \\ \hline \end{array} \begin{array}{r} 9 \\ -6 \\ \hline \end{array}$$

Subtraction Two Minute Timing #10 (do this weekly to check your progress)

$$\begin{array}{r} 9 \\ -5 \\ \hline 3 \\ -2 \\ \hline 10 \\ -6 \\ \hline 9 \\ -0 \\ \hline 8 \\ -6 \\ \hline 13 \\ -8 \\ \hline 9 \\ -3 \\ \hline 11 \\ -8 \\ \hline 15 \\ -6 \\ \hline 12 \\ -3 \\ \hline \end{array}$$

9	12	9	11	10	7	11	14	11
<u>-1</u>	<u>-4</u>	<u>-2</u>	<u>-2</u>	<u>-8</u>	<u>-4</u>	<u>-4</u>	<u>-7</u>	<u>-5</u>

$$\begin{array}{ccccccccc} 6 & 11 & 15 & 11 & 5 & 15 & 10 & 5 & 16 \\ -3 & -6 & -9 & -7 & -3 & -7 & -9 & -4 & -7 \\ \hline \hline \end{array}$$

$$\begin{array}{cccccccc} 14 & 6 & 8 & 7 & 7 & 8 & 7 & 17 \\ -6 & -5 & -4 & -5 & -2 & -2 & -6 & -8 \\ \hline \end{array}$$

$$\begin{array}{cccccccccccccccc} 6 & 4 & 12 & 16 & 15 & 11 & 17 & 16 & 10 & 7 \\ -2 & -3 & -5 & -9 & -8 & -3 & -9 & -8 & -4 & -3 \end{array}$$

$$\begin{array}{ccccccc} \frac{5}{-2} & \frac{5}{-1} & \frac{5}{-6} & \frac{13}{-9} & \frac{9}{-7} & \frac{10}{-5} & \frac{8}{-2} \\ & & & & & & & \frac{10}{-3} \end{array}$$

[illegible]

$$\begin{array}{r} 14 \\ -8 \\ \hline 14 \end{array} \quad \begin{array}{r} 14 \\ -5 \\ \hline 14 \end{array} \quad \begin{array}{r} 8 \\ -5 \\ \hline 8 \end{array} \quad \begin{array}{r} 8 \\ -3 \\ \hline 8 \end{array} \quad \begin{array}{r} 13 \\ -7 \\ \hline 13 \end{array} \quad \begin{array}{r} 13 \\ -5 \\ \hline 13 \end{array} \quad \begin{array}{r} 4 \\ -2 \\ \hline 4 \end{array} \quad \begin{array}{r} 8 \\ -1 \\ \hline 8 \end{array} \quad \begin{array}{r} 14 \\ -9 \\ \hline 14 \end{array} \quad \begin{array}{r} 9 \\ -4 \\ \hline 9 \end{array}$$

Two Minute Multiplication Timing #8 (Do this weekly to see your progress)

$$\begin{array}{r} 47325 \\ \times 67903 \\ \hline 141975 \\ 331410 \\ 325350 \\ 315825 \\ 282525 \\ 141975 \\ \hline 320000000 \end{array}$$

$$\begin{array}{r} 5 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ \times 5 \\ \hline \end{array} \quad \begin{array}{r} 0 \\ \times 4 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ \times 2 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ \times 3 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 2 \\ \hline \end{array} \quad \begin{array}{r} 0 \\ \times 7 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ \times 7 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ \times 6 \\ \hline \end{array} \quad \begin{array}{r} 0 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ \times 5 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ \times 3 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ \times 4 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ \times 4 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ \times 3 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ \times 7 \\ \hline \end{array} \quad \begin{array}{r} 0 \\ \times 6 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ \times 7 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ \times 5 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ \times 7 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ \times 7 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ \times 3 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ \times 3 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 4 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ \times 5 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ \times 7 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ \times 6 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ \times 6 \\ \hline \end{array} \quad \begin{array}{r} 0 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 8 \\ \hline 24 \\ 240 \\ \hline 264 \end{array}$$

$$\begin{array}{r} 2 \\ \times 6 \\ \hline 12 \\ \times 4 \\ \hline 48 \\ 9 \\ \times 2 \\ \hline 18 \\ 2 \\ \times 2 \\ \hline 4 \\ 7 \\ \times 3 \\ \hline 21 \\ 5 \\ \times 5 \\ \hline 25 \\ 2 \\ \times 1 \\ \hline 2 \\ 3 \\ \times 9 \\ \hline 27 \\ 5 \\ \times 3 \\ \hline 15 \\ 7 \\ \times 4 \\ \hline 28 \\ 2 \\ \times 2 \\ \hline 4 \\ 9 \\ \times 4 \\ \hline 36 \end{array}$$

Two Minute Multiplication Timing #9

(Do this weekly to see your progress)

5	4	5	0	2	3	0	9	7	3
<u>x7</u>	<u>x6</u>	<u>x5</u>	<u>x3</u>	<u>x5</u>	<u>x7</u>	<u>x5</u>	<u>x2</u>	<u>x8</u>	<u>x9</u>

$$\begin{array}{r} 5 \\ \times 2 \\ \hline 10 \\ \times 1 \\ \hline 40 \\ \times 1 \\ \hline 90 \\ \times 1 \\ \hline 500 \\ \times 4 \\ \hline 2000 \\ \times 1 \\ \hline 9000 \\ \times 5 \\ \hline 45000 \\ \times 7 \\ \hline 315000 \\ \times 5 \\ \hline 1575000 \\ \times 2 \\ \hline 9450000 \\ \times 7 \\ \hline 66150000 \\ \times 5 \\ \hline 330750000 \\ \times 2 \\ \hline 661500000 \\ \times 1 \\ \hline 3307500000 \\ \times 4 \\ \hline 13230000000 \\ \times 1 \\ \hline 94500000000 \\ \times 9 \\ \hline 850500000000 \\ \times 2 \\ \hline 7054500000000 \\ \times 5 \\ \hline 35272500000000 \\ \times 7 \\ \hline 246907500000000 \\ \times 2 \\ \hline 1234537500000000 \\ \times 1 \\ \hline 6172687500000000 \\ \times 4 \\ \hline 24690750000000000 \\ \times 1 \\ \hline 123453750000000000 \\ \times 9 \\ \hline 1111083750000000000 \\ \times 2 \\ \hline 2222167500000000000 \\ \times 5 \\ \hline 11110837500000000000 \\ \times 7 \\ \hline 77775862500000000000 \\ \times 2 \\ \hline 388879312500000000000 \\ \times 1 \\ \hline 1944396562500000000000 \\ \times 4 \\ \hline 7777586250000000000000 \\ \times 1 \\ \hline 38887931250000000000000 \\ \times 9 \\ \hline 349991381250000000000000 \\ \times 2 \\ \hline 699982762500000000000000 \\ \times 5 \\ \hline 3499913812500000000000000 \\ \times 7 \\ \hline 24499396687500000000000000 \\ \times 2 \\ \hline 122496983437500000000000000 \\ \times 1 \\ \hline 612484917187500000000000000 \\ \times 4 \\ \hline 244993966875000000000000000 \\ \times 1 \\ \hline 1224969834375000000000000000 \\ \times 9 \\ \hline 11024728509375000000000000000 \\ \times 2 \\ \hline 22049457018750000000000000000 \\ \times 5 \\ \hline 110247285093750000000000000000 \\ \times 7 \\ \hline 771731095656250000000000000000 \\ \times 2 \\ \hline 3858655478281250000000000000000 \\ \times 1 \\ \hline 19293277391406250000000000000000 \\ \times 4 \\ \hline 7717310956562500000000000000000 \\ \times 1 \\ \hline 38586554782812500000000000000000 \\ \times 9 \\ \hline 347278993045312500000000000000000 \\ \times 2 \\ \hline 694557986090625000000000000000000 \\ \times 5 \\ \hline 3472789930453125000000000000000000 \\ \times 7 \\ \hline 24309529513171875000000000000000000 \\ \times 2 \\ \hline 121547647565859375000000000000000000 \\ \times 1 \\ \hline 607738237829296875000000000000000000 \\ \times 4 \\ \hline 243095295131718750000000000000000000 \\ \times 1 \\ \hline 121547647565859375000000000000000000 \\ \times 9 \\ \hline 1093928828092734375000000000000000000 \\ \times 2 \\ \hline 2187857656185468750000000000000000000 \\ \times 5 \\ \hline 1093928828092734375000000000000000000 \\ \times 7 \\ \hline 7657501798649140625000000000000000000 \\ \times 2 \\ \hline 38287508993245703125000000000000000000 \\ \times 1 \\ \hline 191437544966228515625000000000000000000 \\ \times 4 \\ \hline 7657501798649140625000000000000000000 \\ \times 1 \\ \hline 3828750899324570312500000000000000000 \\ \times 9 \\ \hline 34458758093921140625000000000000000000 \\ \times 2 \\ \hline 68917516187842281250000000000000000000 \\ \times 5 \\ \hline 3445875809392114062500000000000000000 \\ \times 7 \\ \hline 24121130665744796875000000000000000000 \\ \times 2 \\ \hline 12060565332872398437500000000000000000 \\ \times 1 \\ \hline 60302826664361992187500000000000000000 \\ \times 4 \\ \hline 241211306657447968750000000000000000 \\ \times 1 \\ \hline 120605653328723984375000000000000000 \\ \times 9 \\ \hline 1085450880008515859375000000000000000 \\ \times 2 \\ \hline 2170901760017031718750000000000000000 \\ \times 5 \\ \hline 108545088000851585937500000000000000 \\ \times 7 \\ \hline 7598156160059610937500000000000000000 \\ \times 2 \\ \hline 3799078080029805468750000000000000000 \\ \times 1 \\ \hline 18995390400149027343750000000000000000 \\ \times 4 \\ \hline 75981561600596109375000000000000000 \\ \times 1 \\ \hline 37990780800298054687500000000000000 \\ \times 9 \\ \hline 3419170272023229031250000000000000000 \\ \times 2 \\ \hline 683834054404645806250000000000000000 \\ \times 5 \\ \hline 34191702720232290312500000000000000 \\ \times 7 \\ \hline 239341919041626031250000000000000000 \\ \times 2 \\ \hline 119670959520813015625000000000000000 \\ \times 1 \\ \hline 598354797604065078125000000000000000 \\ \times 4 \\ \hline 2393419190416260312500000000000000 \\ \times 1 \\ \hline 1196709595208130156250000000000000 \\ \times 9 \\ \hline 107703863568731714062500000000000000 \\ \times 2 \\ \hline 21540772713746342812500000000000000 \\ \times 5 \\ \hline 1077038635687317140625000000000000 \\ \times 7 \\ \hline 753927044981121992187500000000000000 \\ \times 2 \\ \hline 37696352249056099609375000000000000 \\ \times 1 \\ \hline 18848176124528049804687500000000000 \\ \times 4 \\ \hline 753927044981121992187500000000000 \\ \times 1 \\ \hline 37696352249056099609375000000000 \\ \times 9 \\ \hline 3392671699417048964843750000000000 \\ \times 2 \\ \hline 6785343398834097929687500000000000 \\ \times 5 \\ \hline 339267169941704896484375000000000 \\ \times 7 \\ \hline 23748701895919342753906250000000000 \\ \times 2 \\ \hline 1187435094795967137695312500000000 \\ \times 1 \\ \hline 593717547397983568847656250000000 \\ \times 4 \\ \hline 2374870189591934275390625000000 \\ \times 1 \\ \hline 1187435094795967137695312500000 \\ \times 9 \\ \hline 10686915853163704249257812500000 \\ \times 2 \\ \hline 2137383170632740849851562500000 \\ \times 5 \\ \hline 106869158531637042492578125000 \\ \times 7 \\ \hline 748084109721459297448046875000 \\ \times 2 \\ \hline 37404205486072964872402343750 \\ \times 1 \\ \$$

[illegible]

$$\begin{array}{r} 4 \\ \times 1 \\ \hline 4 \\ \times 2 \\ \hline 8 \\ \times 3 \\ \hline 12 \\ \times 4 \\ \hline 16 \\ \times 5 \\ \hline 20 \\ \times 6 \\ \hline 24 \\ \times 7 \\ \hline 28 \\ \times 8 \\ \hline 32 \\ \times 9 \\ \hline 36 \\ \times 10 \\ \hline 40 \end{array}$$

$$\begin{array}{r} 87 \\ \times 408 \\ \hline 696 \\ 3480 \\ 34560 \\ \hline 36480 \end{array}$$

$$\begin{array}{r} 5 \\ \times 4 \\ \hline 20 \\ 7 \\ \times 9 \\ \hline 63 \\ 7 \\ \times 9 \\ \hline 63 \\ 9 \\ \times 1 \\ \hline 9 \\ 2 \\ \times 7 \\ \hline 14 \\ 4 \\ \times 3 \\ \hline 12 \\ 3 \\ \times 7 \\ \hline 21 \\ 6 \\ \times 5 \\ \hline 30 \\ 8 \\ \times 3 \\ \hline 24 \end{array}$$

$$\begin{array}{r} 0 \\ \times 5 \\ \hline 0 \\ \times 3 \\ \hline 6 \\ \times 1 \\ \hline 5 \\ \times 9 \\ \hline 6 \\ \times 5 \\ \hline 7 \\ \times 2 \\ \hline 8 \\ \times 4 \\ \hline 3 \\ \times 4 \\ \hline 8 \\ \times 6 \\ \hline 9 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 3 \\ \hline 18 \\ 180 \\ \hline 198 \end{array}$$

(Do this weekly to see your progress)

$$\begin{array}{r} 6 \\ \times 5 \\ \hline 30 \\ 30 \\ \hline 300 \end{array}$$

$$\begin{array}{r} 7 \\ \times 4 \\ \hline 28 \\ 28 \\ \hline 280 \end{array}$$

7	0	9	8	5	4	6	9	4	5
$\underline{x5}$	$\underline{x4}$	$\underline{x1}$	$\underline{x2}$	$\underline{x1}$	$\underline{x9}$	$\underline{x2}$	$\underline{x8}$	$\underline{x3}$	$\underline{x2}$

$$\begin{array}{r} 5 \\ \times 6 \\ \hline 30 \\ 0 \\ \hline 30 \\ \times 8 \\ \hline 240 \\ 8 \\ \hline 248 \end{array}$$

[illegible]

$$\begin{array}{r} 25 \\ \times 5 \\ \hline 10 \\ 125 \\ \hline 125 \end{array}$$

$$\begin{array}{r} 297 \\ \times 71 \\ \hline 297 \\ 2079 \\ \hline 21003 \end{array}$$

[illegible]

Two Minute Timing # 8 (Do this weekly to see your progress)

$$\begin{array}{r} 4 \overline{) 32} \quad 8 \overline{) 40} \quad 7 \overline{) 35} \quad 8 \overline{) 56} \quad 6 \overline{) 24} \quad 4 \overline{) 20} \quad 7 \overline{) 42} \quad 4 \overline{) 28} \quad 6 \overline{) 48} \quad 2 \overline{) 16} \end{array}$$

$$\begin{array}{r} 9 \overline{) 1} \quad 3 \overline{) 9} \quad 9 \overline{) 27} \quad 4 \overline{) 2} \quad 9 \overline{) 36} \quad 8 \overline{) 72} \quad 5 \overline{) 45} \quad 5 \overline{) 25} \quad 4 \overline{) 36} \quad 9 \overline{) 63} \end{array}$$

$$\begin{array}{r} 3 \overline{) 27} \quad 6 \overline{) 5} \quad 8 \overline{) 4} \quad 9 \overline{) 72} \quad 9 \overline{) 18} \quad 1 \overline{) 8} \quad 6 \overline{) 54} \quad 6 \overline{) 18} \quad 9 \overline{) 45} \quad 6 \overline{) 36} \end{array}$$

$$\begin{array}{r} 2 \overline{) 16} \quad 9 \overline{) 54} \quad 1 \overline{) 7} \quad 8 \overline{) 16} \quad 6 \overline{) 30} \quad 4 \overline{) 16} \quad 5 \overline{) 5} \quad 2 \overline{) 18} \quad 2 \overline{) 14} \quad 2 \overline{) 8} \end{array}$$

$$\begin{array}{r} 3 \overline{) 24} \quad 8 \overline{) 64} \quad 3 \overline{) 15} \quad 3 \overline{) 12} \quad 9 \overline{) 81} \quad 1 \overline{) 4} \quad 7 \overline{) 49} \quad 9 \overline{) 9} \quad 3 \overline{) 21} \quad 3 \overline{) 18} \end{array}$$

$$\begin{array}{r} 7 \overline{) 63} \quad 1 \overline{) 6} \quad 6 \overline{) 12} \quad 8 \overline{) 48} \quad 5 \overline{) 20} \quad 8 \overline{) 32} \quad 5 \overline{) 40} \quad 5 \overline{) 30} \quad 7 \overline{) 14} \quad 7 \overline{) 28} \end{array}$$

$$\begin{array}{r} 6 \overline{) 1} \quad 4 \overline{) 12} \quad 7 \overline{) 21} \quad 8 \overline{) 4} \quad 2 \overline{) 2} \quad 8 \overline{) 8} \quad 5 \overline{) 15} \quad 8 \overline{) 24} \quad 1 \overline{) 9} \quad 1 \overline{) 3} \end{array}$$

$$\begin{array}{r} 4 \overline{) 24} \quad 5 \overline{) 35} \quad 7 \overline{) 56} \quad 2 \overline{) 4} \quad 4 \overline{) 8} \quad 2 \overline{) 6} \quad 3 \overline{) 6} \quad 6 \overline{) 42} \quad 5 \overline{) 10} \quad 2 \overline{) 10} \end{array}$$

Two Minute Timing # 9 (Do this weekly to see your progress)

$$\begin{array}{l} 1 \overline{)8} \quad 6 \overline{)5} \quad 8 \overline{)4} \quad 3 \overline{)27} \quad 9 \overline{)45} \quad 9 \overline{)72} \quad 9 \overline{)18} \quad 6 \overline{)36} \quad 6 \overline{)54} \quad 6 \overline{)18} \end{array}$$

$$\begin{array}{l} 1 \overline{)4} \quad 8 \overline{)64} \quad 3 \overline{)15} \quad 3 \overline{)24} \quad 3 \overline{)21} \quad 3 \overline{)12} \quad 9 \overline{)81} \quad 3 \overline{)18} \quad 7 \overline{)49} \quad 9 \overline{)9} \end{array}$$

$$\begin{array}{l} 8 \overline{)8} \quad 4 \overline{)12} \quad 7 \overline{)21} \quad 6 \overline{)1} \quad 1 \overline{)9} \quad 8 \overline{)4} \quad 2 \overline{)2} \quad 1 \overline{)3} \quad 5 \overline{)15} \quad 8 \overline{)24} \end{array}$$

$$\begin{array}{l} 8 \overline{)72} \quad 3 \overline{)9} \quad 9 \overline{)27} \quad 9 \overline{)1} \quad 4 \overline{)36} \quad 4 \overline{)2} \quad 9 \overline{)36} \quad 9 \overline{)63} \quad 5 \overline{)45} \quad 5 \overline{)25} \end{array}$$

$$\begin{array}{l} 2 \overline{)6} \quad 5 \overline{)35} \quad 7 \overline{)56} \quad 4 \overline{)24} \quad 5 \overline{)10} \quad 2 \overline{)4} \quad 4 \overline{)8} \quad 2 \overline{)10} \quad 3 \overline{)6} \quad 6 \overline{)42} \end{array}$$

$$\begin{array}{l} 4 \overline{)16} \quad 9 \overline{)54} \quad 1 \overline{)7} \quad 2 \overline{)16} \quad 2 \overline{)14} \quad 8 \overline{)16} \quad 6 \overline{)30} \quad 2 \overline{)8} \quad 5 \overline{)5} \quad 2 \overline{)18} \end{array}$$

$$\begin{array}{l} 8 \overline{)32} \quad 1 \overline{)6} \quad 6 \overline{)12} \quad 7 \overline{)63} \quad 7 \overline{)14} \quad 8 \overline{)48} \quad 5 \overline{)20} \quad 7 \overline{)28} \quad 5 \overline{)40} \quad 5 \overline{)30} \end{array}$$

$$\begin{array}{l} 4 \overline{)20} \quad 8 \overline{)40} \quad 7 \overline{)35} \quad 4 \overline{)32} \quad 6 \overline{)48} \quad 8 \overline{)56} \quad 6 \overline{)24} \quad 2 \overline{)16} \quad 7 \overline{)42} \quad 4 \overline{)28} \end{array}$$

Two Minute Timing # 10 (Do this weekly to see your progress)

$$\begin{array}{r} 2 \overline{)18} \quad 8 \overline{)16} \quad 6 \overline{)30} \quad 2 \overline{)16} \quad 9 \overline{)54} \quad 1 \overline{)7} \quad 4 \overline{)16} \quad 5 \overline{)5} \quad 2 \overline{)14} \quad 2 \overline{)8} \end{array}$$

$$\begin{array}{r} 9 \overline{)9} \quad 3 \overline{)12} \quad 9 \overline{)81} \quad 3 \overline{)24} \quad 8 \overline{)64} \quad 3 \overline{)15} \quad 1 \overline{)4} \quad 7 \overline{)49} \quad 3 \overline{)21} \quad 3 \overline{)18} \end{array}$$

$$\begin{array}{r} 5 \overline{)30} \quad 8 \overline{)48} \quad 5 \overline{)20} \quad 7 \overline{)63} \quad 1 \overline{)6} \quad 6 \overline{)12} \quad 8 \overline{)32} \quad 5 \overline{)40} \quad 7 \overline{)14} \quad 7 \overline{)28} \end{array}$$

$$\begin{array}{r} 8 \overline{)24} \quad 8 \overline{)4} \quad 2 \overline{)2} \quad 6 \overline{)1} \quad 4 \overline{)12} \quad 7 \overline{)21} \quad 8 \overline{)8} \quad 5 \overline{)15} \quad 1 \overline{)9} \quad 1 \overline{)3} \end{array}$$

$$\begin{array}{r} 4 \overline{)28} \quad 8 \overline{)56} \quad 6 \overline{)24} \quad 4 \overline{)32} \quad 8 \overline{)40} \quad 7 \overline{)35} \quad 4 \overline{)20} \quad 7 \overline{)42} \quad 6 \overline{)48} \quad 2 \overline{)16} \end{array}$$

$$\begin{array}{r} 5 \overline{)25} \quad 4 \overline{)2} \quad 9 \overline{)36} \quad 9 \overline{)1} \quad 3 \overline{)9} \quad 9 \overline{)27} \quad 8 \overline{)72} \quad 5 \overline{)45} \quad 4 \overline{)36} \quad 9 \overline{)63} \end{array}$$

$$\begin{array}{r} 6 \overline{)18} \quad 9 \overline{)72} \quad 9 \overline{)18} \quad 3 \overline{)27} \quad 6 \overline{)5} \quad 8 \overline{)4} \quad 1 \overline{)8} \quad 6 \overline{)54} \quad 9 \overline{)45} \quad 6 \overline{)36} \end{array}$$

$$\begin{array}{r} 6 \overline{)42} \quad 2 \overline{)4} \quad 4 \overline{)8} \quad 4 \overline{)24} \quad 5 \overline{)35} \quad 7 \overline{)56} \quad 2 \overline{)6} \quad 3 \overline{)6} \quad 5 \overline{)10} \quad 2 \overline{)10} \end{array}$$

4th going into 5th Grade Math Summer Packet**Copy and complete the number fact family.**

1. $36 \div 9 = \underline{\quad ? \quad}$

$\underline{\quad ? \quad} \times 4 = 36$

$36 \div 4 = \underline{\quad ? \quad}$

$9 \times 4 = \underline{\quad ? \quad}$

2. $\underline{\quad ? \quad} - 8 = 5$

$5 + 8 = \underline{\quad ? \quad}$

$13 - \underline{\quad ? \quad} = 8$

$\underline{\quad ? \quad} + 5 = \underline{\quad ? \quad}$

Complete the statement.

3. 5 hours = $\underline{\quad ? \quad}$ minutes

4. 480 seconds = $\underline{\quad ? \quad}$ minutes

5. 76 hours = $\underline{\quad ? \quad}$ days $\underline{\quad ? \quad}$ hours

6. 12 minutes 45 seconds = $\underline{\quad ? \quad}$ seconds

7. 23 days = $\underline{\quad ? \quad}$ weeks $\underline{\quad ? \quad}$ days

Identify the place value of the bold faced digit. Then write the number in expanded form and in words.

8. 5173

9. 2**4**3,065

Write the number in standard form.

10. $(5 \times 10,000) + (8 \times 100) + (2 \times 10) + (9 \times 1)$

Name: _____

ID: A

11. six hundred twenty-four thousand, seventy-eight

Compare the numbers. ($<$, $>$ or $=$)

12. 765 and 490
13. 14,298 and 104,298
14. 9734 and 9743
15. 11,859 and 6108

Round the number to the place value of the bold faced digit.

16. 4**5**78
17. 12,**3**19
18. **4**5
19. 4**2**4,695

Find the sum or difference.

20. $76 + 35$
21. $27 + 49$
22. $148 + 63$
23. $264 + 327$
24. $838 + 306$
25. $1354 + 652$
26. $53 - 19$
27. $87 - 38$
28. $653 - 58$
29. $705 - 396$
30. $415 - 257$

Name: _____

ID: A

31. $1035 - 251$

32. $\$15.80 + \24.50

33. $\$5.32 + \24.15

34. $\$8.71 - \6.29

35. $\$47.50 - \34.60

Find the product or quotient.

36. 67×90

37. 23×41

38. 539×47

39. 2618×12

40. 8405×16

41. 673×1000

42. $4 \overline{) 240}$

43. $7 \overline{) 896}$

44. $9 \overline{) 306}$

45. $2464 \div 8$

46. $5826 \div 8$

47. $960 \div 10$

48. 465×27

Estimate the sum.

49. $279 + 123 + 795$

50. $304 + 467 + 138 + 297$

Name: _____

ID: A

51. $5581 + 2307 + 1425 + 8632$

52. $63 + 57 + 61 + 56$

Estimate for the difference.

53. $541 - 293$

54. $715 - 452$

55. $5932 - 1978$

56. $8092 - 3715$

Estimate for the product.

57. 53×31

58. 24×763

59. 1729×83

60. 47×3674

Find the quotient.

61. $496 \div 9$

62. $4691 \div 4$

63. $756 \div 7$

64. $3942 \div 6$

65. $762 \div 8$

66. $521 \div 17$

67. $3875 \div 63$

68. You need \$27 for a concert ticket. You have \$19. How much more money do you need for the ticket?

69. You have 35 baseball cards in your baseball card collection. Your friend gives you 18 baseball cards. How many baseball cards do you have in your collection now?

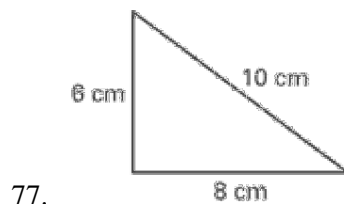
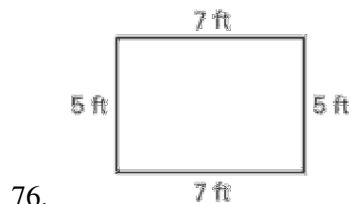
70. You have 6 boxed sets of CDs. Each set has 3 CDs. How many CDs do you have?

71. You need to bring 45 muffins to a party. One batch of muffins makes 15. How many batches do you need to make?
72. You buy wrapping paper for \$4.57. You give the clerk \$10. How much change do you receive?
73. You need craft supplies. You buy beads for \$12.75, ribbon for \$4.50, felt for \$.99, and leather cord for \$6.35. How much did you spend on craft supplies?

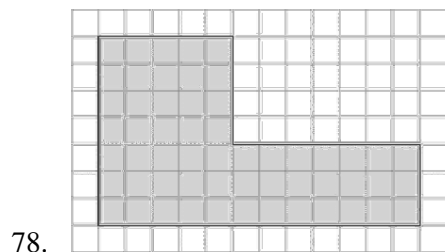
Write a fraction to represent the shaded region or part of the set.

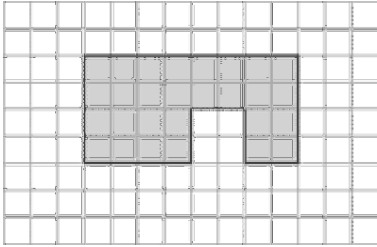


Find the perimeter of the figure.

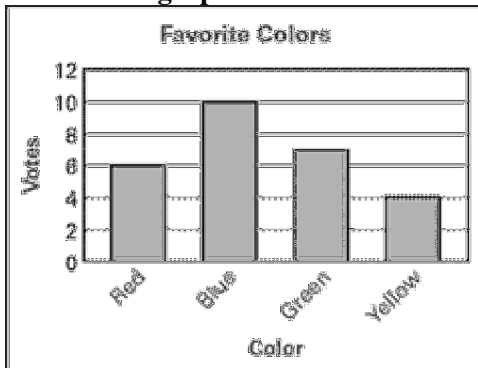


Find the area of the figure.

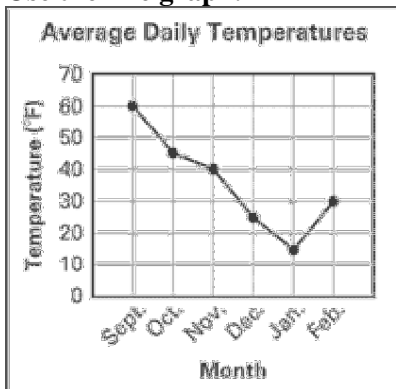




79.

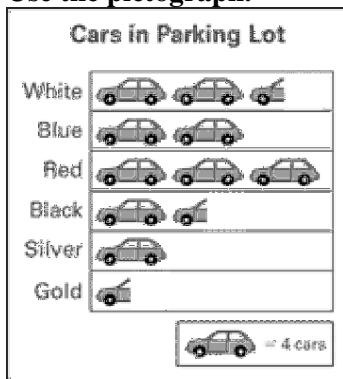
Use the bar graph.

80. What color did 7 people vote for?
81. What color had 4 fewer votes than blue?
82. What was the total number of votes for red and yellow?

Use the line graph.

83. In which month was the average daily temperature the lowest?
84. What is the difference between the average daily temperatures for November and December?
85. What was the average daily temperature for October?

Use the pictograph.



86. How many black cars were in the parking lot?
87. How many fewer silver cars were in the parking lot than red cars?
88. Which color car has twice as many in the parking lot as silver cars?
89. Make a pictograph of the data.

The Ways Students Get the News	
News Source	Number of Students
Television	12
Radio	9
Newspaper	6
Word of Mouth	18

Solve the following word problems.

93. At a sporting goods store, a sweatshirt costs twice as much as a pair of legwarmers. Jogging shoes cost \$12 more than the sweatshirt. If the legwarmers cost \$9, how much will all 3 items cost?
94. At a book sale, Ian bought 3 books at \$2 each and 4 books at \$3 each. How much change did he receive from a \$20 bill?
95. Martha added 16 stamps to her collection. If she began with 171 stamps, how many does she now have?

Determine the pattern. Then find the next two numbers.

98. 2, 5, 8, 11, _____, _____

_____ 99. 9, 12, 15, 18, . . .

a. 22, 25

b. 21, 24

c. 27, 30

d. 20, 23

Round to the given place value. Then estimate the sum or difference.

100. $237 - 116$ (tens)

101. $1276 + 312$ (hundreds)

Find the sum or difference.

_____ 102. $\frac{10}{20} + \frac{8}{20}$

a. $\frac{9}{20}$

b. $2\frac{2}{9}$

c. $1\frac{1}{9}$

d. $\frac{9}{10}$

_____ 103. $\frac{9}{13} - \frac{6}{13}$

a. $1\frac{2}{13}$

b. $\frac{3}{13}$

c. 3

d. $\frac{4}{13}$

104. $\frac{9}{12} - \frac{3}{12}$

105. $\frac{9}{20} + \frac{23}{20}$

Find the sum or difference. Write the answer in lowest terms.

_____ 106. $\frac{17}{18} - \frac{3}{18}$

a. $\frac{7}{18}$

b. $\frac{8}{9}$

c. $\frac{13}{36}$

d. $\frac{7}{9}$

____ 107. For a race, Elaine ran $\frac{1}{8}$ of a mile and then swam $\frac{1}{8}$ of a mile. What was the total distance of the race?

a. $\frac{2}{8}$ of a mile

c. $\frac{8}{2}$ of a mile

b. $\frac{2}{16}$ of a mile

d. $\frac{1}{64}$ of a mile

108. You shared a licorice rope with two friends. You ate $\frac{3}{8}$ of the licorice rope. One of your friends ate $\frac{1}{8}$ of the licorice rope, and the other friend ate $\frac{3}{8}$ of the licorice rope. What fraction of the licorice rope did you and your friends eat?

Find the sum or difference.

____ 109. $2\frac{3}{7} + 6\frac{4}{7}$

a. $8\frac{3}{7}$

b. 8

c. 9

d. $7\frac{3}{7}$

____ 110. $5\frac{8}{17} - 2\frac{1}{17}$

a. $3\frac{7}{34}$

b. $\frac{7}{17}$

c. $4\frac{7}{17}$

d. $3\frac{7}{17}$

111. $7\frac{13}{19} + 5\frac{5}{19}$

112. $4\frac{7}{8} - \frac{5}{8}$

113. $8\frac{5}{8} - 3\frac{3}{8}$

Find the sum, difference, product, or quotient.

____ 114. $701 + 1156$

a. 8157

b. 8057

c. 1857

d. 1757

____ 115. $827 - 158$

a. 769

b. 685

c. 985

d. 669

____ 116. Diane sold 91 student tickets and 67 adult tickets for a movie. How many tickets did she sell?

a. 159 tickets

b. 158 tickets

c. 148 tickets

d. 149 tickets