Name Key

1. Rewrite the following numbers including commas where appropriate:

   a. 9301

   9,301

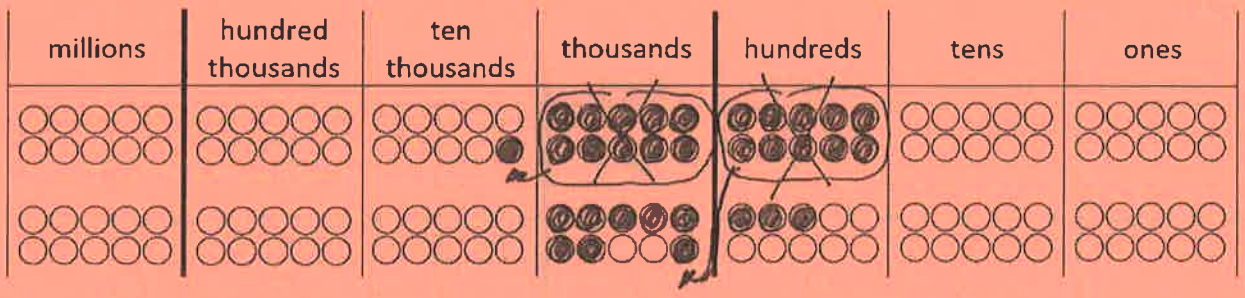
   b. 62789

   62,789

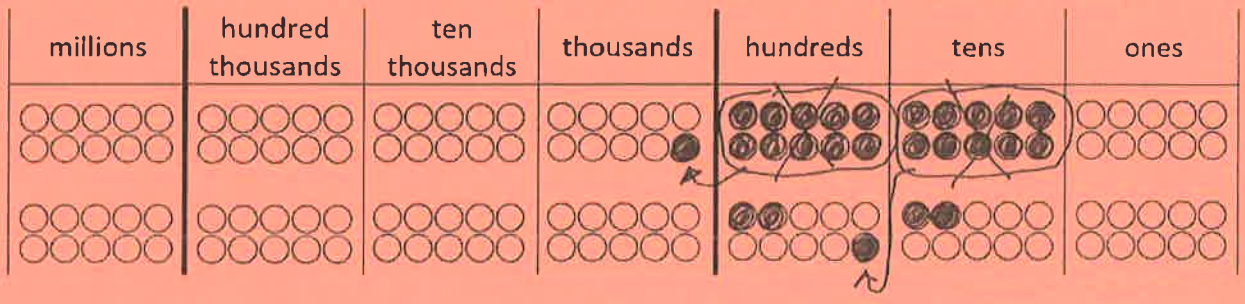
millions ,	hundred thousands	ten thousands	thousands ,	hundreds	tens	ones

2. Shade in disks on the place value chart to find the sum. Compose to the next unit if possible.

   a. 17 thousands + 13 hundreds = 18,300



   b. 12 hundreds + 12 tens = 1,320



Name Key

1. Use the place value chart to find the product.

   (4 thousands, 6 hundreds) × 10 = 46,000

1,000,000	100,000	10,000	1,000	100	10	1
			4	6	0	0
		4	6	0	0	0

2. The Carson family saved up $39,580 for a new home. The cost of their dream home is 10 times as much as they have saved. How much does their dream home cost?

1,000,000	100,000	10,000	1,000	100	10	1
		3	9	5	8	0
	3	9	5	8	0	0

Their dream home costs $395,800.

Name Key

1. Use the place value chart to find the quotient.

   (4 thousands, 6 hundreds) ÷ 10 = 460

1,000,000	100,000	10,000	1,000	100	10	1
			4	6	0	0
				4	6	0

2. The Carson family rented a vacation home for $3,580. If there are 10 members in the family, and each paid the same amount, what was their payment?

1,000,000	100,000	10,000	1,000	100	10	1
			3	5	8	0
				3	5	8

Each person's payment was $358.

Name Key

1. Use the place value chart below to complete the following:

1,000,000	100,000	10,000	1,000	100	10	1
	8	0	6	3	0	2

a. Write the number 800,000 + 6,000 + 300 + 2 in the place value chart.

b. Fill in the blanks to write the number in **word** form.

eight hundred six thousand, three hundred two

2. Write one hundred sixty thousand, five hundred eighty-two in standard and expanded form.

Standard Form 160,582

Expanded Form 100,000 + 60,000 + 500 + 80 + 2

Name Key

1. Four friends were playing a game. Use the information in the table below to order the number of points each player earned from least to greatest.

Player Name	Points Earned
Amy	2,398 points
Bonnie	2,976 points
Jeff	2,709 points
Rick	2,699 points

2,398

2,699

2,709

2,976

2. Use each of the digits 4, 3, 2, 1 exactly once to create two different four-digit numbers. Write each number on the line and compare the two numbers by using the symbols < or >. Write the correct symbol in the circle. (example)

3,241 < 4,132

>	<
Greater than	Less than

Name Key

1. Fill in the empty boxes to complete the pattern.

8,235	9,235	10,235	11,235	12,235	13,325

How much does each number increase from box to box? 1,000

2. Complete the following equations. Use a place value chart if needed.

a. 1,000 + 56,879 = 57,879

b. 324,560 – 100,000 = 224,560

c. 456,080 – 10,000 = 446,080

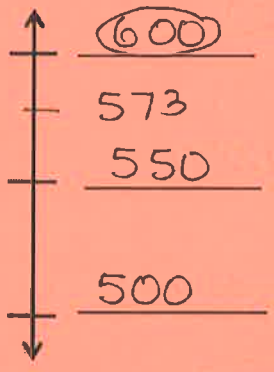
d. 10,000 + 786,233 = 796,233

100,000	10,000	1,000	100	10	1

Name Key

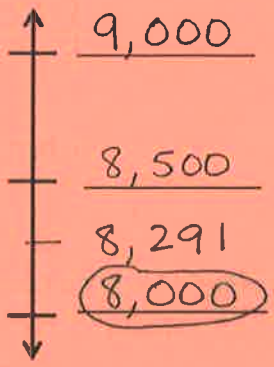
1. a. Round to the nearest **hundred**.

573 ≈ 600



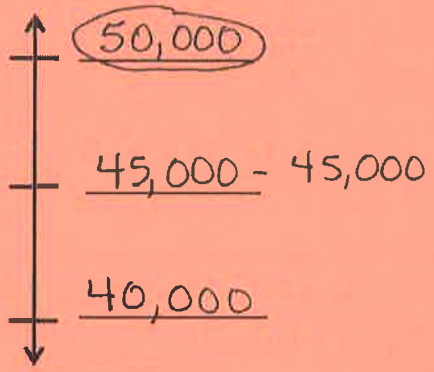
b. Round to the nearest **thousand**.

8,291 ≈ 8,000



c. Round to the nearest **ten thousand**.

45,000 ≈ 50,000



2. It takes 39,090 gallons of water to manufacture a new car. Sammy thinks that rounds up to about 40,000 gallons. Susie thinks it is about 39,000 gallons.

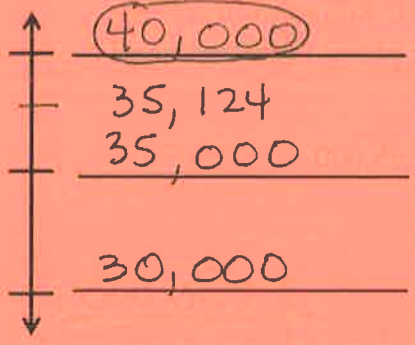
   Who rounded to the nearest **thousand** and who rounded to the nearest **ten thousand?**

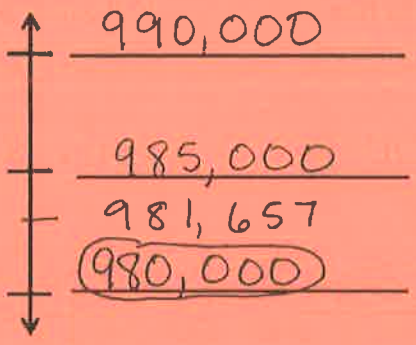
   Susie rounded to the nearest thousand.

   Sammy rounded to the nearest ten thousand.

Name Key

1. Round to the nearest **ten thousand**. Use the number line to model your thinking.

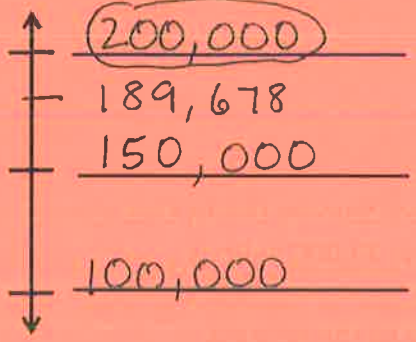


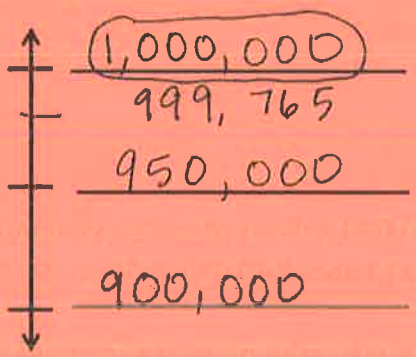


a. 35,124 ≈ 40,000

b. 981,657 ≈ 980,000

2. Round to the nearest hundred thousand. Use the number line to model your thinking.





a. 189,678 ≈ 200,000

b. 999,765 ≈ 1,000,000

3. Estimate the sum by rounding each number to the nearest hundred thousand.

257,098 → 200,000 or 300,000?

+ 548,765 → 500,000 or 600,000 ?

Estimated sum 800,000

Name Key

1. Round the number to the nearest **hundred**.

2,523 ≈ 2,500

2. Round the number to the nearest **thousand**.

5,757 ≈ 6,000

3. Round each number to the nearest **ten thousand**.

24,449 ≈ 20,000

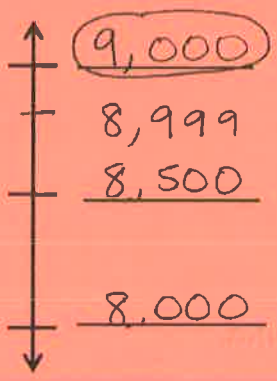
Name Key

Directions: Model the problem with a tape diagram. Solve and write your answer as a statement.

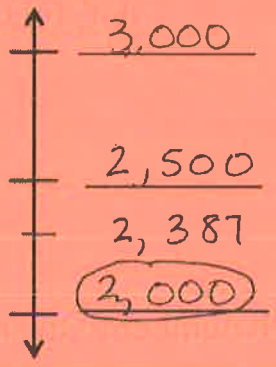
1. In January, Scott earned $8,999. In February, he earned $2,387 more than he did in January. How much did Scott earn altogether during the two months?

   a. Round the numbers to the nearest thousand to find an **estimated** answer.

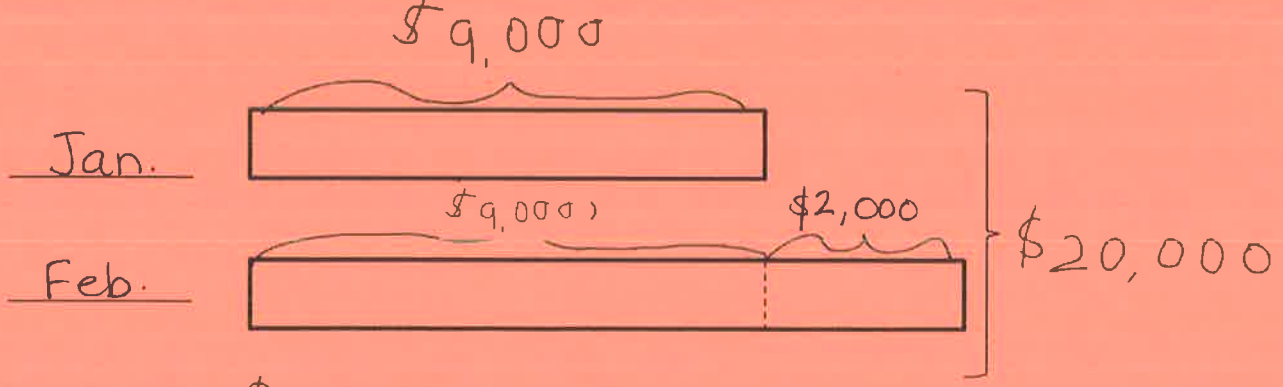
Round 8,999 to the nearest 1,000



Round 2,387 to the nearest 1,000



Label the tape diagrams to find your **estimated** answer.

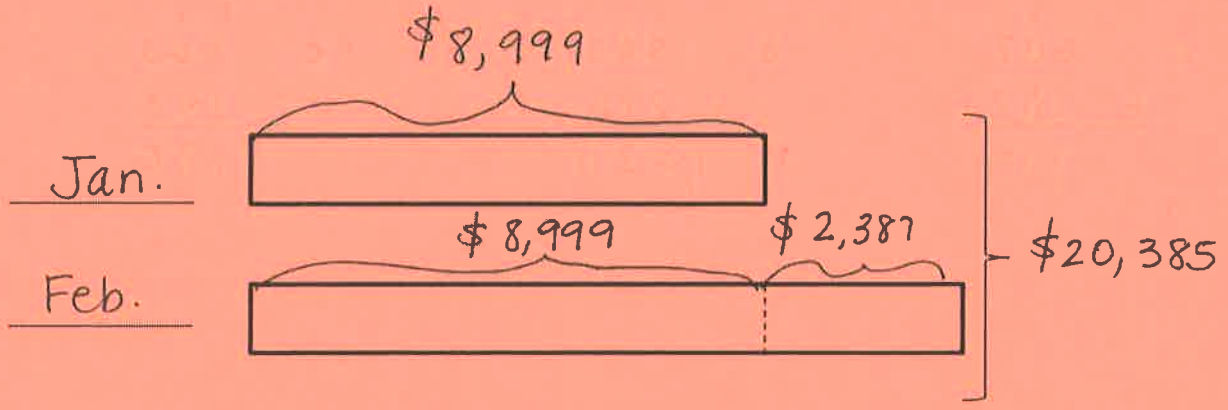


$9,000
+ 2,000
$11,000

$11,000
$9,000
$20,000

Altogether Scott earned about $20,000

b. Find the exact amount that Scott earned in January and February.



$$\begin{array}{r} 8999 \\ +\ 2387 \\ \hline \end{array} \rightarrow \begin{array}{r} 9{,}000 \\ +\ 2386 \\ \hline 11{,}386 \end{array} \qquad \begin{array}{r} 11{,}386 \\ +\ 8{,}999 \\ \hline \end{array} \rightarrow \begin{array}{r} 11{,}385 \\ +\ 9{,}000 \\ \hline 20{,}385 \end{array}$$

Scott earned $20,385 in two months.

Name Key

1. Find the sums of the following:

a.
$$\begin{array}{r} {}^{1}607 \\ +\ 307 \\ \hline 914 \end{array}$$

b.
$$\begin{array}{r} {}^{1\,1}948 \\ +\ 278 \\ \hline 1{,}226 \end{array}$$

c.
$$\begin{array}{r} {}^{1\,1}983 \\ +\ 197 \\ \hline 1{,}180 \end{array}$$

2. The office supply box had 473 large paperclips, 648 medium paperclips, and 306 small paperclips. How many paperclips were in the supply box?

Large paperclips 4 7 3

Medium paperclips 6 4 8

Small paperclips 3 0 6

$$\begin{array}{r} {}^{1\,1}473 \\ +\ 648 \\ \hline 1121 \end{array}$$

$$\begin{array}{r} 1121 \\ +\ 306 \\ \hline 1{,}427 \end{array}$$

There were 1,427 paperclips in the supply box.

Name Key

1. Use place value charts to subtract.

a. 8,512
−2,501
6,011

thousands	hundreds	tens	ones
○○○○○ ○○○	⌀⌀⌀⌀⌀	○	○⌀

b. 7 10
8,042
−4,122
3,920

thousands	hundreds	tens	ones
○○○⌀⌀ ⌀⌀⌀	○○○○○ ○○○○⌀	○○○⌀	⌀⌀

c. 7 11 15
8,252
−1,561
6,691

thousands	hundreds	tens	ones
○○○○○ ○○○	○⌀ ⌀⌀⌀⌀⌀ ○○○○○	⌀⌀⌀⌀⌀ ⌀○○○○ ○○○○○	○⌀

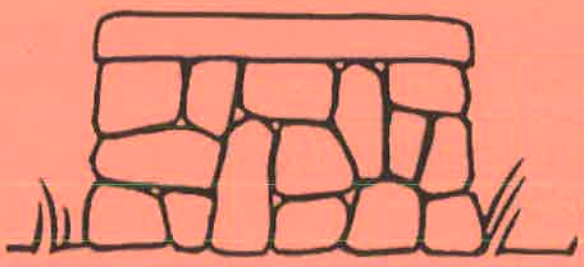
Name Key

1. Use the standard algorithm to solve.

a.
$$\begin{array}{r} {}^{4}\cancel{5}\,{}^{1}\cancel{6},{}^{7}\cancel{2}{}^{14}\cancel{8}4 \\ -\ 7,169 \\ \hline 49,115 \end{array}$$

b.
$$\begin{array}{r} {}^{10}\\ 5\,0\,{}^{15}\cancel{6}\,\cancel{1}\,\cancel{5} \\ -\ 378 \\ \hline 237 \end{array}$$

c.
$$\begin{array}{r} {}^{9}\\ 7\,{}^{10}\cancel{8}\,{}^{13}\cancel{0}\,\cancel{3} \\ -\ 436 \\ \hline 1,367 \end{array}$$



2. A construction company was building a stone wall on Main Street. 30,000 stones were delivered to the site. On Monday they used 15,631 stones. How many stones remain for the rest of the week? Use "same change" subtraction to solve.

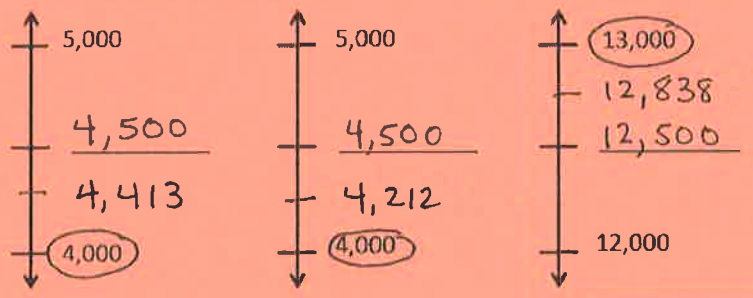
$$\begin{array}{r} 30,000 \\ -\ 15,631 \\ \hline \end{array} \longrightarrow \begin{array}{r} 29,999 \\ -\ 15,630 \\ \hline 14,369 \end{array}$$

14,369 stones remain for the rest of the week.

Name Key

Directions: Estimate first and then solve each problem with tape diagrams.

1. A football quarterback passed for 12,838 yards in three years. He passed 4,413 yards his first year. In his second year, he threw 4,212 yards.



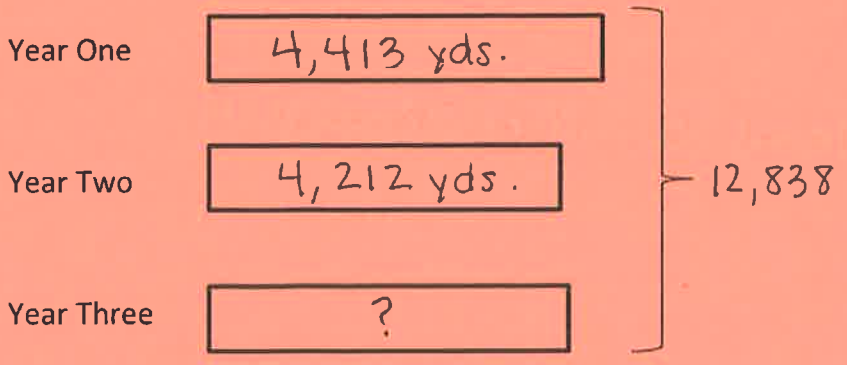
Estimate how far he threw his third year.

4000 + 4000 = 8000

13,000 − 8,000 = 5,000

a. **Estimation**: He threw about 5,000 yards in his third year.

b. Exactly how many passing yards did he throw in his third year?



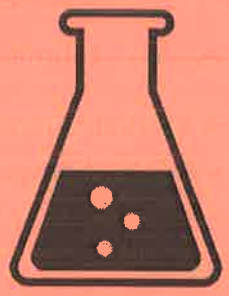
4,413 + 4,212 = 8,625

12,838 − 8,625 = 4,213

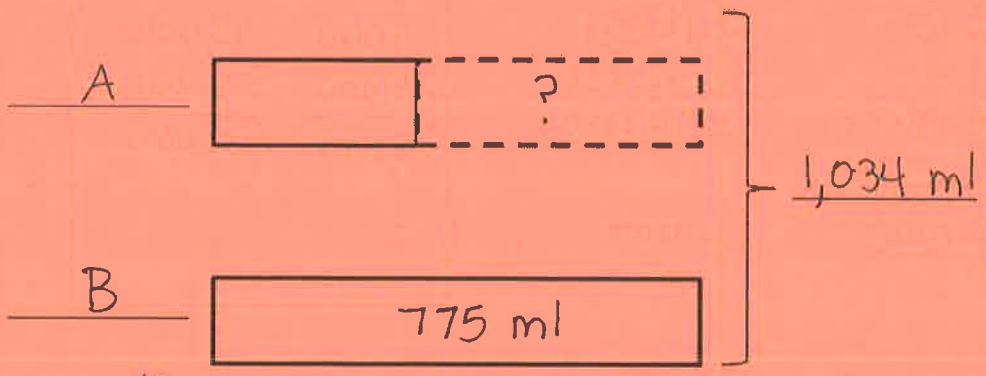
He threw 4,213 yards in his third year.

Name Key

Directions: Solve the following problem modeling with a tape diagram.



1. A mixture of 2 chemicals measured 1,034 ml. Of the total, 775 ml was of Chemical B and the rest was Chemical A. How much **less** of Chemical A than Chemical B was in the mixture?



9 12 14
~~10~~ ~~3~~4
- 775
259 = Chemical A

6 15
7~~1~~5
-259
516 = difference

Chemical A is 516 ml less than Chemical B.