b. (2 hundreds 3 tens) x 10 = 2,300

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

c. (7 thousands 8 hundreds) x 10 = 78,000

1,000,000	100,000	10,000	1,000	100	10	1
			7	8	0	0
		7	8	0	0	0

5. Jacob as saved $2,460 to buy a car. The car costs 10 times as much as what he has saved. How much does the car cost?

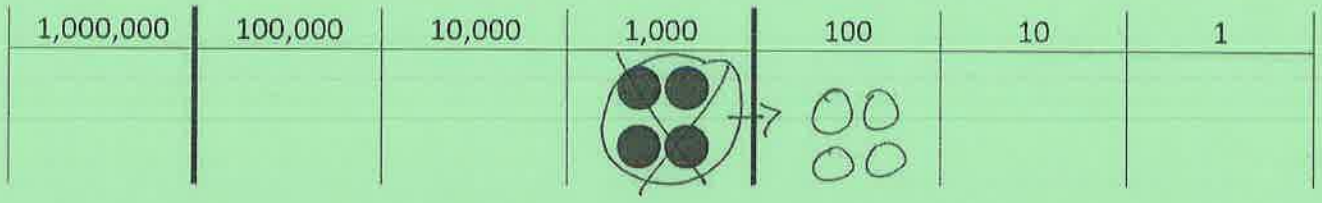
1,000,000	100,000	10,000	1,000	100	10	1
			2	4	6	0
		2	4	6	0	0

The car costs $24,600.

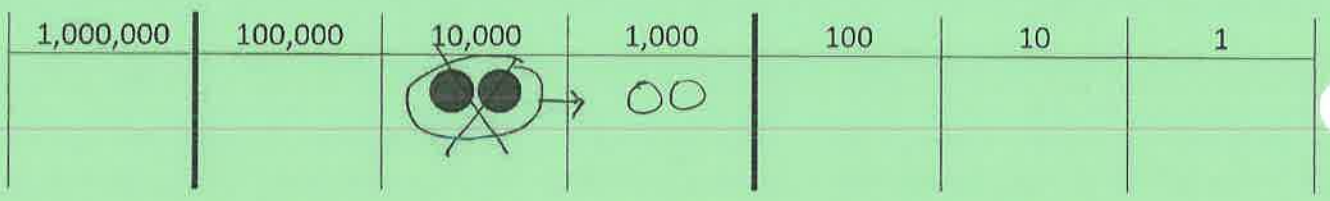
Name Key

1. Shift the disks on the place value chart to show the division.

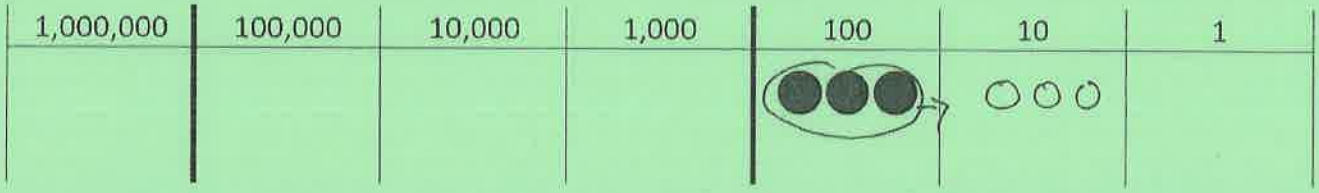
   a. 4 thousands ÷ 10 = 400



   b. 2 ten thousands ÷ 10 = 2,000



   c. 300 ÷ 10 = 30

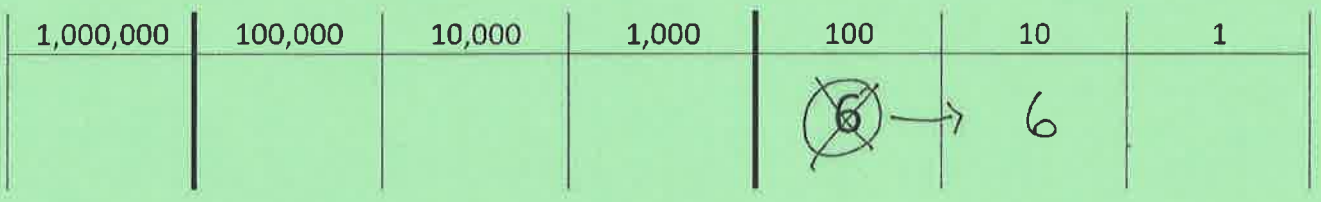


2. What pattern do you see when dividing by 10 on the place value chart?

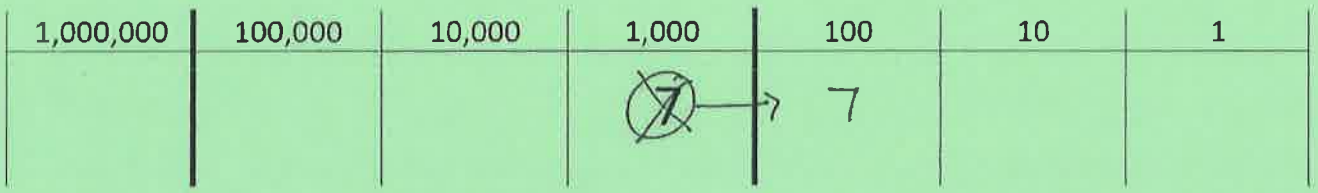
The digits (or disks) shift one place value to the right.

3. Shift the numbers on the place value chart to show the division.

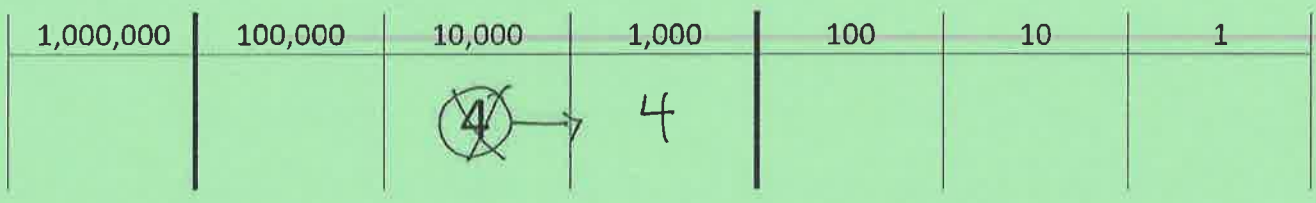
a. 600 ÷ 10 = 60



b. 7,000 ÷ 10 = 700

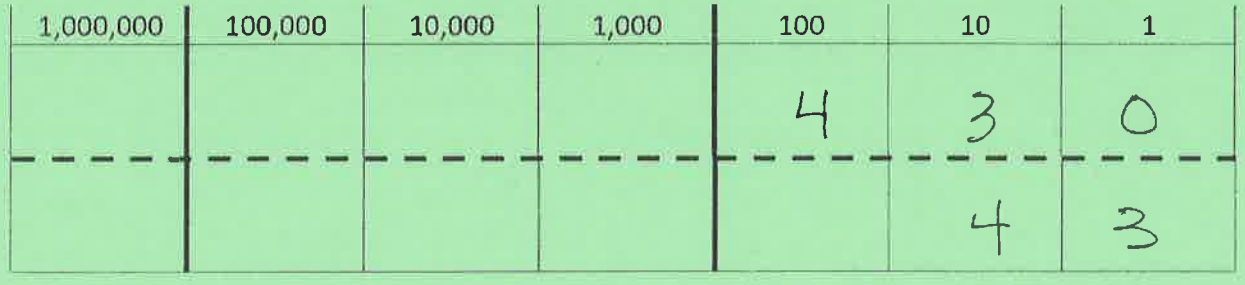


c. 40,000 ÷ 10 = 4,000



4. Write the dividend in the top row. Show the quotient in the bottom row.

a. (4 hundreds 3 tens) ÷ 10 = 43



b. (2 thousands 3 hundreds) ÷ 10 = 230

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

c. (7 ten thousands 8 tens) ÷ 10 = 7,008

1,000,000	100,000	10,000	1,000	100	10	1
		7	0	0	8	0
			7	0	0	8

5. Marvin borrowed $350 from his mother for a new gaming system. He told her he would pay her back over 10 months. If he paid her the same amount each month, what was his payment?

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

Marvin's payment was $35 each month.

Name Key Date _____

1. Write the number 9,523 in the place value chart.

1,000,000	100,000	10,000	1,000	100	10	1
			9	5	2	3

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

nine thousand, five hundred twenty- three

b. Write the number in expanded form.

9,000 + 500 + 20 + 3

2. Write the number 905,203 in the place value chart.

1,000,000	100,000	10,000	1,000	100	10	1
	9	0	5	2	0	3

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

nine hundred five thousand, two hundred three

b. Write the number in expanded form.

900,000 + 5,000 + 200 + 3

3. Complete the following chart:

Number	Word Form	Expanded Form
2,480	two thousand, four hundred eighty	2000 + 400 + 80
20,482	twenty thousand, four hundred, eighty- two	20,000 + 400 + 80 + 2
64,106	sixty-four thousand, one hundred six	60,000 + 4,000 + 100 + 6
604,016	Six hundred four thousand, sixteen	600,000 + 4,000 + 10 + 6
1,060,060	One million, sixty thousand, sixty	1,000,000 + 60,000 + 60

Name Key

1. Draw place value disks to represent each digit of the numbers. Use <, >, or = to compare the two numbers.

> Greater than	< Less than

a. 600,015 > 60,015

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

b. 409,004 < 440,002

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

2. Write each number in the place value chart.
   Compare the two numbers by using the symbols <, >, and =.
   Write the correct symbol in the circle.

a. 342,001 (>) 94,981

100,000	10,000	1,000	100	10	1
3	4	2	0	0	1
	9	4	9	8	1

b. 500,000 + 80,000 + 9,000 + 100 (>) 508, 901

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

c. 9 hundred 8 thousand, 9 hundred thirty (=) 908,930

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

d. 50,609 < 60,000 + 500 + 9

100,000	10,000	1,000	100	10	1
	5	0	6	0	9
	6	0	5	0	9

3. Number the mountains from shortest to tallest. Use the place value chart if needed.

Name of Mountain	Elevation in Feet (ft.)	
Allen Mountain	4,347 ft.	2
Mount Marcy	5,343 ft.	4
Mount Haystack	4,960 ft.	3
Slide Mountain	4,180 ft.	1

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

4. Arrange from least to greatest: 8,002 2,080 820 2,008 8,200

820

2,008

2,080

8,002

8,200

Arrange from greatest to least: 728,000 708,200 720,800 87,300

728,000

720,800

708,200

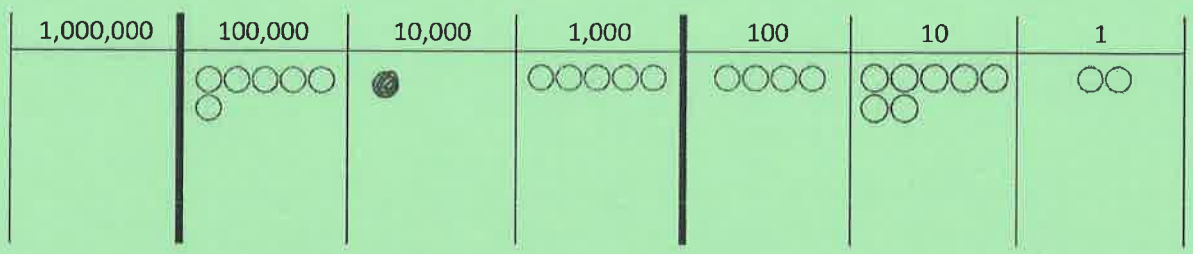
87,300

Name Key

1. Use number disks to find the sum or difference. Write the answer in standard form on the line.

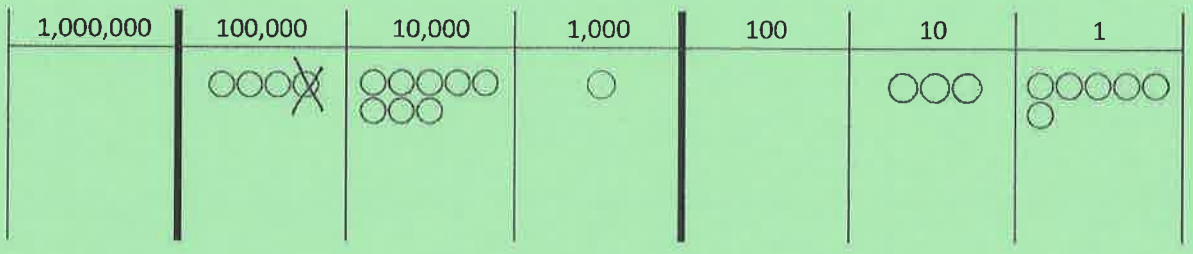
   a. 10,000 more than 605,472 is

   615,472.

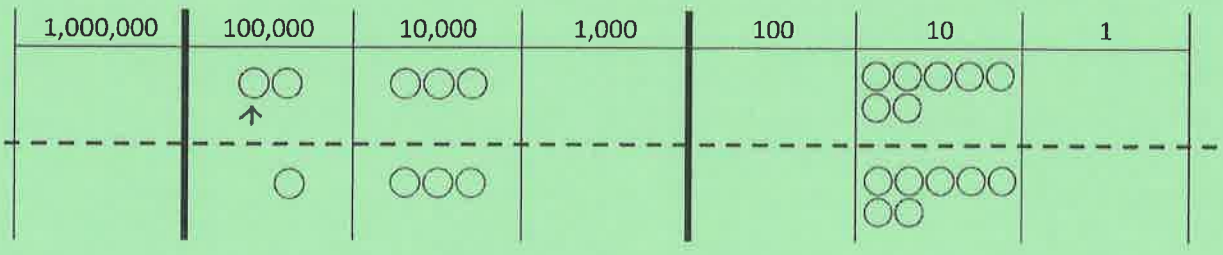


   b. 100 thousand less than 481,036 is

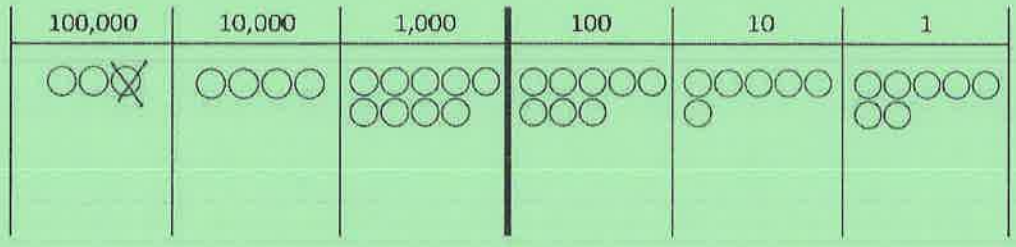
   381,036.



   c. 230,070 is 100,000 greater than 130,070.



2. Lucy played an online math game. She scored 100,000 **more points on Level 2 than on Level 3**. If she scored 349,867 points on Level 2, what was her score on Level 3? Use pictures, words, or numbers to explain your thinking.



She scored 249,867 points on Level 3.

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

a. 10,000 + 40,060 = 50,060

b. 21,195 – 10,000 = 11,195

c. 9,000 + 1,000 = 10,000

d. 129,231 – 100,000 = 29,231

e. 122,000 = 22,000 + 100,000

f. 38,018 = 39,018 – 1,000

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

9,756	8,756	7,756	6,756	5,756	4,756

Name Key Date _____

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

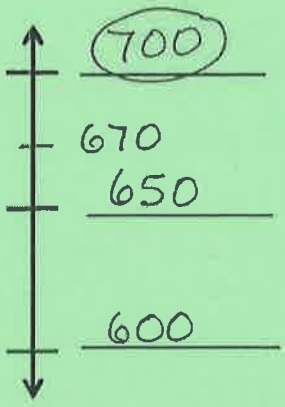
a. 670 ≈ 700

670 is between what hundreds?

600 and 700

What is the midpoint of these numbers?

650



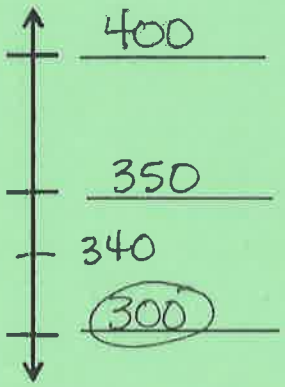
b. 340 ≈ 300

340 is between what hundreds?

300 and 400

What is the midpoint of these numbers?

350



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

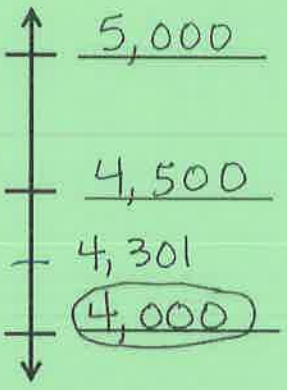
a. 4,301 ≈ 4,000

4,301 is between what thousands?

4,000 and 5,000

What is the midpoint of these numbers?

4,500



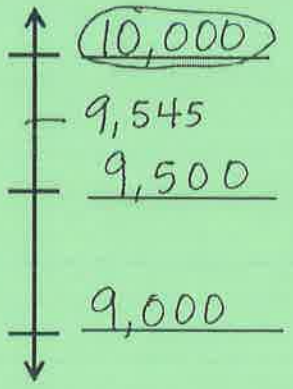
b. 9,545 ≈ 10,000

9,545 is between what thousands?

9,000 and 10,000

What is the midpoint of these numbers?

9,500



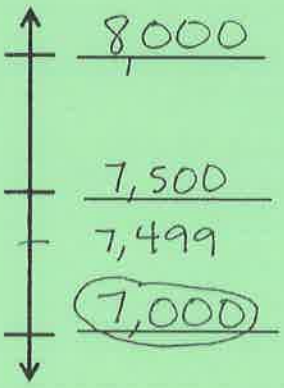
c. 7,499 ≈ 7,000

7,499 is between what thousands?

7,000 and 8,000

What is the midpoint of these numbers?

7,500



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

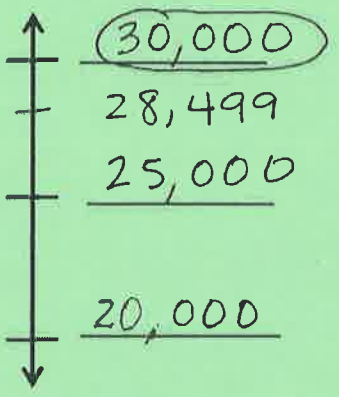
a. 28,499 ≈ 30,000

28,499 is between what ten thousands?

20,000 and 30,000

What is the midpoint of these numbers?

25,000



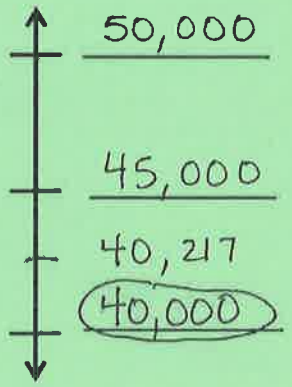
b. 40,217 ≈ 40,000

40,217 is between what ten thousands?

40,000 and 50,000

What is the midpoint of these numbers?

45,000



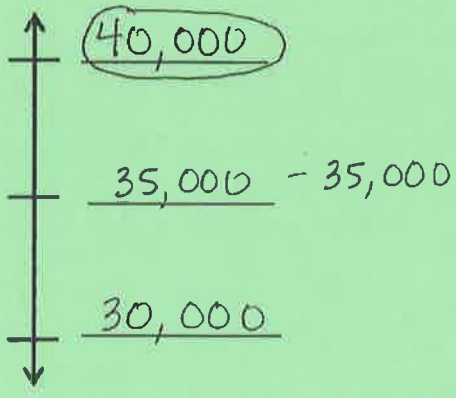
c. 35,000 ≈ 40,000

35,000 is between what ten thousands?

30,000 and 40,000

What is the midpoint of these numbers?

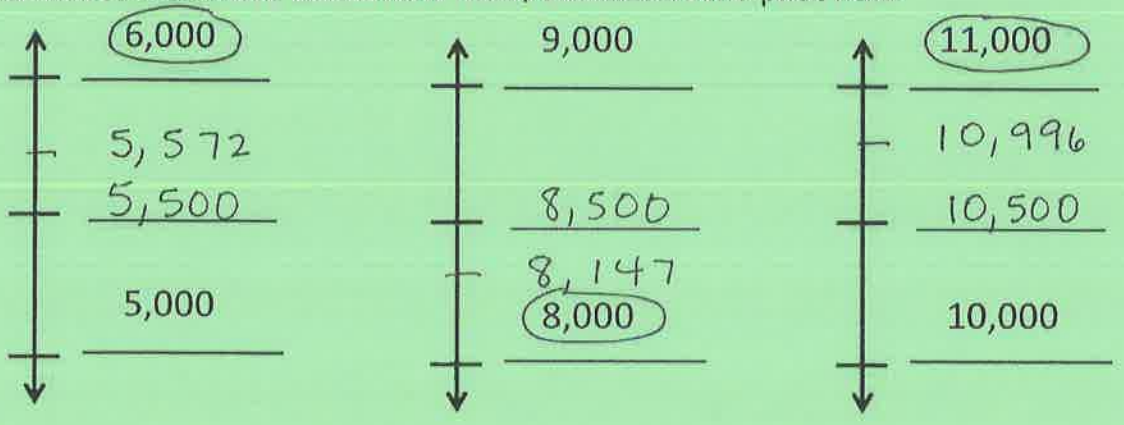
35,000



4. A pilot wanted to know about how many kilometers he flew on his last 3 flights.

   From NYC to London he flew **5,572** km.
   Then, from London to Beijing he flew **8,147** km.
   Finally, he flew **10,996** km from Beijing back to NYC.

   Round each number to the nearest **thousand**, then find the sum of the rounded numbers to estimate about how many kilometers the pilot flew.



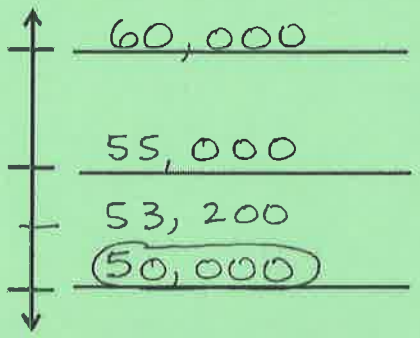
6,000 + 8,000 + 11,000 = 25,000

The pilot flew about 25,000 km.

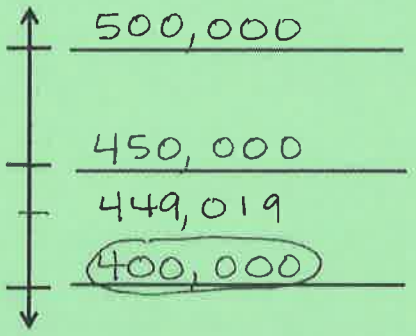
Name Key

Use the number lines to round each number to the given place value.

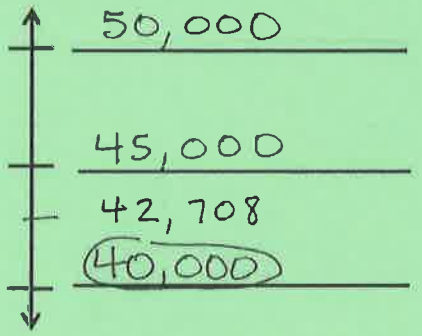
1a. 53,200 rounded to the nearest **ten thousand** is 50,000.



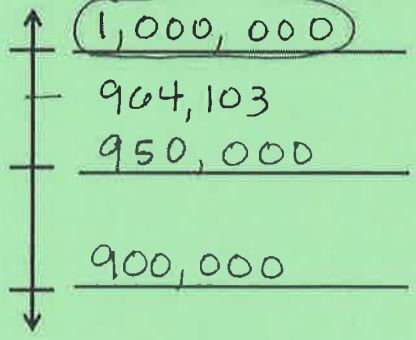
2a. 449,019 rounded to the nearest **hundred thousand** is 400,000.



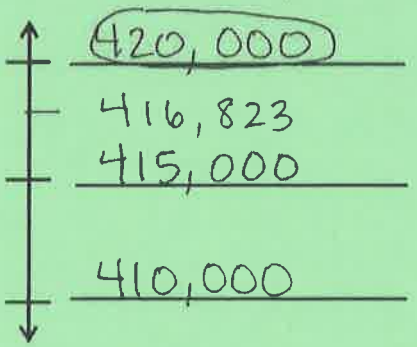
1b. 42,708 rounded to the nearest **ten thousand** is 40,000.



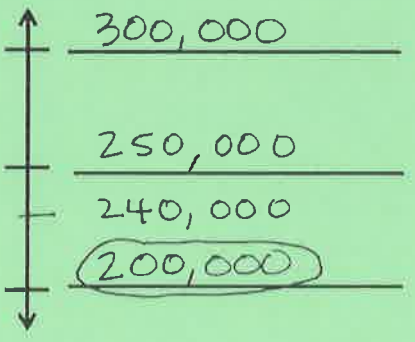
2b. 964,103 rounded to the nearest **hundred thousand** is 1,000,000.



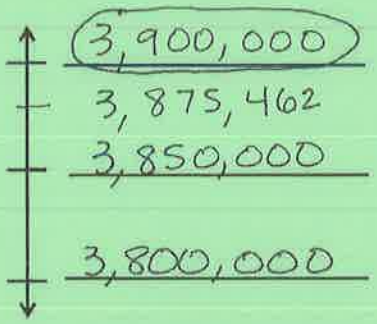
1c. 416,823 rounded to the nearest ten thousand is 420,000.



2c. 240,000 rounded to the nearest hundred thousand is 200,000.



3. 3,875,462 people watched the St. Patrick's Day Parade in New York City last year. Round this number to the nearest **hundred thousand** to estimate how many people watched the parade. Use a number line to show your work.



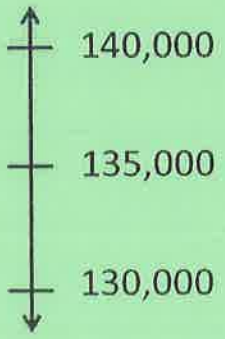
About 3,900,000 people watched the parade.

4. A digit is missing in the number below, which was then rounded to the nearest ten thousand. Put a possible digit in the thousands place to make this statement correct. Use the number line to show your work.

13__,644 ≈ 130,000

Possible digits =

0, 1, 2, 3, or 4

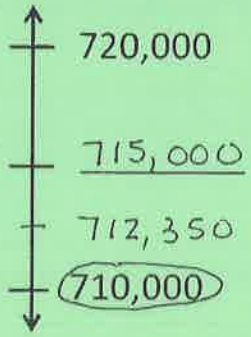


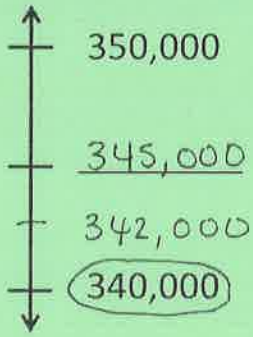
5. Estimate the sum by rounding each number to nearest **ten thousand**.

712,350 + 342,802

710,000 + 340,000 =

1,050,000





Name Key

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

   a. 743 ≈ 700

   b. 192 ≈ 200

   c. 2,475 ≈ 2,500

   d. 5,320 ≈ 5,300

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

   a. 3,321 ≈ 3,000

   b. 6,798 ≈ 7,000

   c. 28,432 ≈ 28,000

   d. 14,886 ≈ 15,000

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

a. 22,153 ≈ 20,000

b. 16,886 ≈ 20,000

c. 122,198 ≈ 120,000

d. 529,411 ≈ 530,000

4. Create your own rounding question. Include the answer.

(various)

Name Key

1. Solve the addition problems below using the standard algorithm.

a
$$\begin{array}{r} 311 \\ +\ 268 \\ \hline 579 \end{array}$$

b
$$\begin{array}{r} 1,311 \\ +\ 268 \\ \hline 1,579 \end{array}$$

c
$$\begin{array}{r} {\scriptstyle 1\ \ \ } \\ 314 \\ +\ 268 \\ \hline 582 \end{array}$$

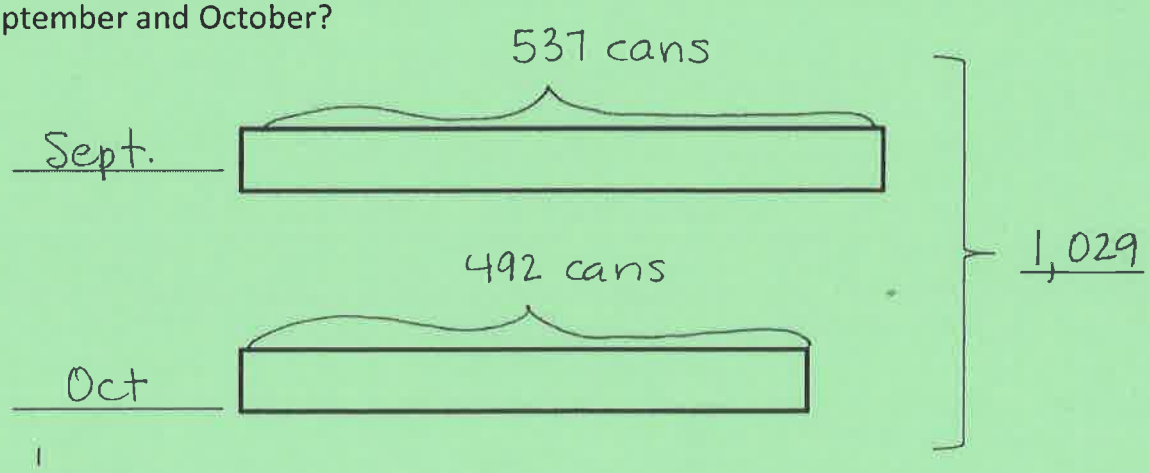
d.
$$\begin{array}{r} {\scriptstyle 1\ \ \ } \\ 314 \\ +\ 493 \\ \hline 807 \end{array}$$

e.
$$\begin{array}{r} {\scriptstyle \ 1\ \ } \\ 1,314 \\ +\ 493 \\ \hline 1,807 \end{array}$$

f.
$$\begin{array}{r} {\scriptstyle 1\ 1\ } \\ 378 \\ +\ 463 \\ \hline 841 \end{array}$$

Directions: Label the tape diagrams to model the following problems.

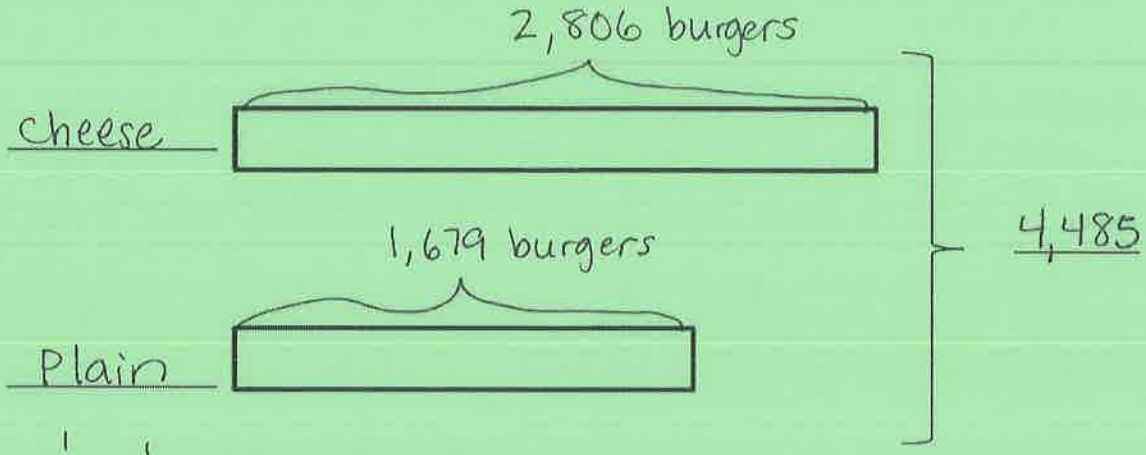
2. In September, Liberty Elementary School collected 537 cans for a fundraiser. In October, they collected 492 cans. How many cans were collected during September and October?



$$\begin{array}{r} {\scriptstyle 1\ \ \ } \\ 537 \\ +\ 492 \\ \hline 1,029 \end{array}$$

They collected 1,029 cans in Sept. and Oct.

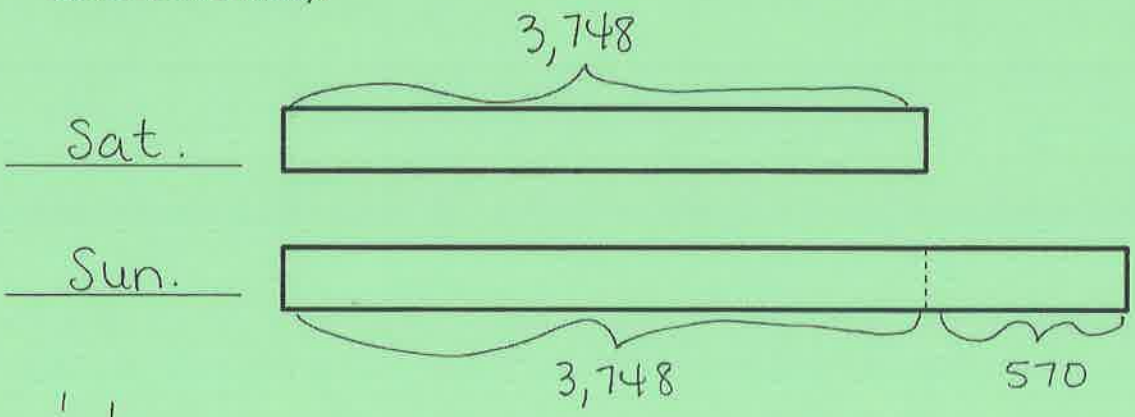
3. A baseball stadium sold some burgers: 2,806 were cheeseburgers and 1,679 burgers didn't have cheese. How many burgers did they sell in all? Use a tape diagram to show your work.



$$\begin{array}{r} {\scriptstyle 1\ \ 1\ \ } \\ 2,806 \\ +\ 1,679 \\ \hline 4,485 \end{array}$$

They sold 4,485 burgers in all.

4. On Saturday night, 3,748 people attended the concert. On Sunday, 570 more people attended the concert than on Saturday. How many people attended the concert on Sunday?



$$\begin{array}{r} {\scriptstyle 1\ \ 1\ \ } \\ 3,748 \\ +\ \ 570 \\ \hline 4,318 \end{array}$$

4,318 attended the concert on Sunday.

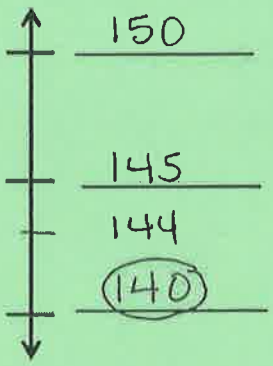
Name Key

Directions: Estimate and then solve each problem. Model the problem with a tape diagram.

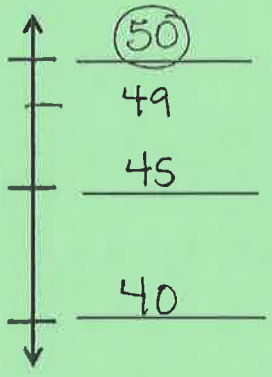
For the bake sale, Connie baked 144 cookies. Esther baked 49 more cookies than Connie.

a. About how many cookies did Connie and Esther bake? Estimate by rounding each number to the nearest ten before adding.

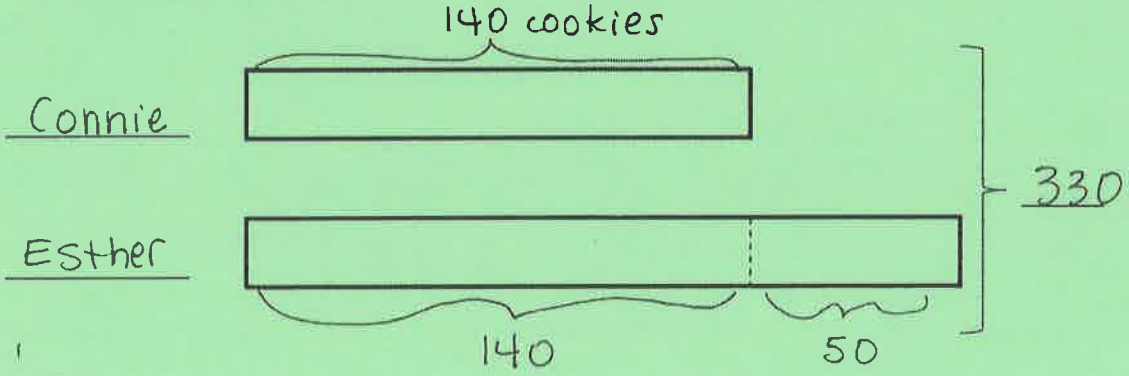
Round 144 to the nearest 10



Round 49 to the nearest 10



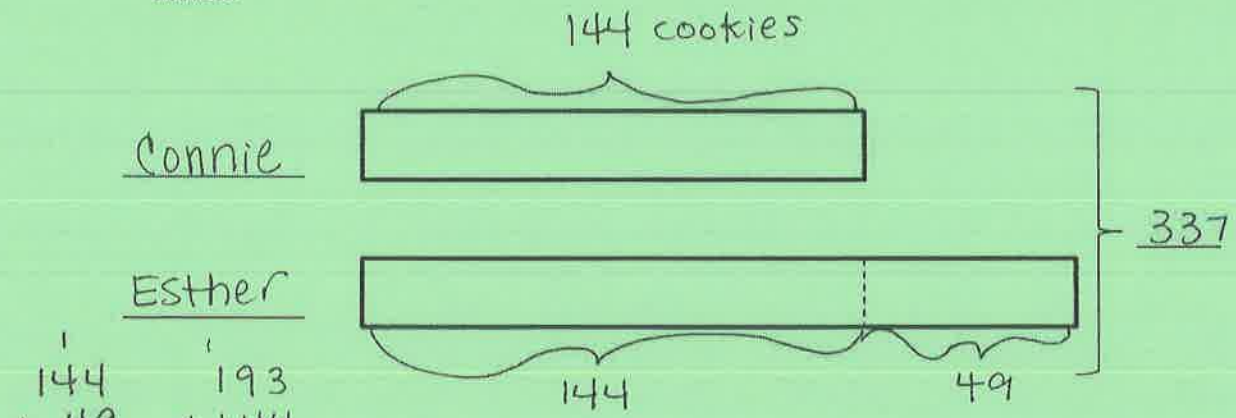
Label the tape diagram to find your estimated answer.



$$\begin{array}{r} {}^{1}140 \\ +\ 190 \\ \hline 330 \end{array}$$

Together they baked about 330 cookies.

b. Label the tape diagram to find exactly how many cookies Connie and Esther baked.



144 + 49 = 193

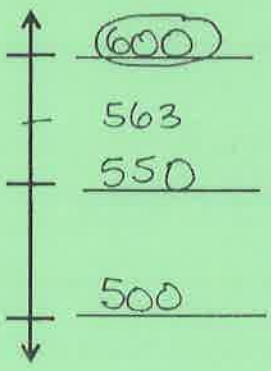
193 + 144 = 337

Together they baked 337 cookies.

2. Raffle tickets were sold for a school fundraiser to teachers and students. 563 tickets were sold to teachers. 888 more tickets were sold to students than to teachers.

a. About how many tickets were sold to teachers and students? Round each number to the nearest hundred to find your estimate.

Round 563 to the nearest 100



Round 888 to the nearest 100