Place the First Digit

When you divide, you can use estimation or place value
to place the first digit of the quotient.

Divide.

$6\overline{)1,266}$

- Estimate. $1,200 \div 6 = 200$, so the first digit of the quotient is
  in the hundreds place.
- Divide the hundreds.
- Divide the tens.
- Divide the ones.

So, $1,266 \div 6 = 211$.

Since 211 is close to the estimate, 200, the answer is reasonable.

```
      211
6)1,266
   -12
     06
     -6
     06
     -6
      0
```
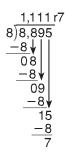
Divide.

$8,895 \div 8$

- Use place value to place the first digit.
- Look at the first digit.
  If the first digit is less than the divisor, then the first digit of
  the quotient will be in the hundreds place.
  If the first digit is greater than or equal to the divisor, then
  the first digit of the quotient will be in the thousands place.
- Since 8 thousands can be shared among 8 groups, the first digit
  of the quotient will be in the thousands place. Now divide.

So, $8,895 \div 8$ is 1,111 r7.

```
     1,111 r7
8)8,895
  -8
   08
   -8
    09
    -8
    15
    -8
     7
```

Divide.

1. $3\overline{)627}$ **2.** $5\overline{)7,433}$ **3.** $4\overline{)5,367}$ **4.** $9\overline{)6,470}$

5. $8\overline{)2,869}$ **6.** $6\overline{)1,299}$ **7.** $4\overline{)893}$ **8.** $7\overline{)4,418}$