Place the First Digit

When you use long division, it is important to place the first digit of the quotient in the correct place. You can use estimation and a place value to help you find where to place the first digit.

Tell where to place the first digit. Then divide.

/	
\cdot Use compatible numbers to estimate.	
147 ÷ 7 is about the same as 140 ÷ 7.	Ю÷7=2
\cdot 140 ÷ 7 = 20, so the first digit is in the tens	140 ÷ 7 = 20
place.	
\cdot Now place the first digit in the quotient in the	$\frac{21}{7\sqrt{147}}$
tens place and divide.	/)14/
	$\frac{14}{007}$
	007
	U

7)147

So, the first digit is in the tens place, and 147 \div 7 = 21.

Tell where to place the first digit. Then divide.

667 ÷ 6
\cdot See if the number in the hundreds place of 667
is larger than 6.
\cdot If the number is smaller than the divisor, then
you begin at the next place to the right: the tens
place.
 If the number in the hundreds place is larger or equal to the divisor, then you can place the first digit in the hundreds place.
\cdot Here, 6 is equal to 6, so the first digit will be in the
hundreds place. Now divide.

So, the first digit is in the hundreds place, and 667 \div 6 = III rl



111 6)667 r1 6↓ 06↓ 06 🗸 007 006 001

Mathelpers.com