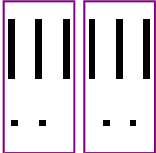
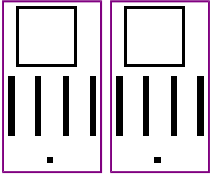




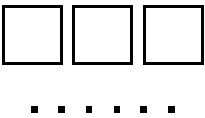
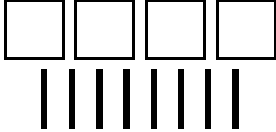
Long Division 1

Divide hundreds, tens, and ones separately.

Write the dividend inside the long division "corner", and the quotient on top.

<p style="text-align: center;">$64 \div 2 = ?$</p> <p>Divide tens and ones separately:</p> <p style="text-align: center;">6 tens $\div 2 = 3$ tens (t)</p> <p style="text-align: center;">4 ones $\div 2 = 2$ ones (o)</p> <div style="display: flex; align-items: center; justify-content: center;">  <div style="margin-left: 20px;"> $\begin{array}{r} \text{t o} \\ 32 \\ 2 \overline{) 64} \end{array}$ </div> </div>	<p style="text-align: center;">$282 \div 2 = ?$</p> <p>2 hundreds $\div 2 = 1$ hundred (h)</p> <p style="text-align: center;">8 tens $\div 2 = 4$ tens (t)</p> <p style="text-align: center;">2 $\div 2 = 1$. (o)</p> <div style="display: flex; align-items: center; justify-content: center;">  <div style="margin-left: 20px;"> $\begin{array}{r} \text{h t o} \\ 141 \\ 2 \overline{) 282} \end{array}$ </div> </div>
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1. Make groups. Divide. Write the dividend inside the "corner" if it is missing.

<p>a. Make 2 groups</p>  $2 \overline{) 62}$	<p>b. Make 3 groups</p>  $3 \overline{) \quad}$	<p>c. Make 3 groups</p>  $3 \overline{) \quad}$	<p>d. Make 4 groups</p>  $4 \overline{) \quad}$
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2. Divide thousands, hundreds, tens, and ones separately.

a. $4 \overline{) 84}$

b. $3 \overline{) 393}$

c. $3 \overline{) 660}$

d. $4 \overline{) 8040}$

e. $3 \overline{) 66}$

f. $6 \overline{) 6036}$

g. $3 \overline{) 330}$

h. $4 \overline{) 4804}$

$$\begin{array}{r} \text{h t o} \\ 0 \\ 4 \overline{) 248} \end{array}$$

$$\begin{array}{r} \text{h t o} \\ 062 \\ 4 \overline{) 248} \end{array}$$

4 does not go into 2. You can put zero in the quotient in the hundreds place or omit it. But 4 does go into 24, six times. Put 6 in the quotient.

$$\begin{array}{r} \text{th h t o} \\ 0 \\ 5 \overline{) 3505} \end{array}$$

$$\begin{array}{r} \text{th h t o} \\ 0701 \\ 5 \overline{) 3505} \end{array}$$

5 does not go into 3. You can put zero in the quotient. But 5 does go into 35, seven times.

Explanation:

The 2 of 248 is of course 200 in reality. If you divided 200 by 4, the result would be less than 100, so that is why the quotient won't have any whole hundreds.

But then you combine the 2 hundreds with the 4 tens. That makes 24 tens, and you CAN divide 24 tens by 4. The result 6 tens goes to the quotient.

Check the final answer: $4 \times 62 = 248$.

Explanation:

$3,000 \div 5$ will not give any whole thousands to the quotient because the answer is less than 1,000.

But 3 thousands and 5 hundreds make 35 hundreds together. You can divide $3,500 \div 5 = 700$, and place 7 to the quotient in the hundreds place.

Check the final answer: $5 \times 701 = 3,505$.

If the divisor does not "go into" the first digit of the dividend, look at the first two digits of the dividend.

3. Divide. Check your answer by multiplying the quotient and the divisor.

a. $3 \overline{) 123}$

b. $4 \overline{) 284}$

c. $6 \overline{) 360}$

d. $8 \overline{) 248}$

e. $2 \overline{) 184}$

f. $7 \overline{) 427}$

g. $3 \overline{) 1833}$

h. $4 \overline{) 2404}$

i. $7 \overline{) 4970}$

j. $5 \overline{) 4505}$