

Use short division to divide 3-digit numbers by 1-digit numbers.

$$546 \div 3$$

$$3 \overline{) 546}$$

# Use short division to divide 3-digit numbers by 1-digit numbers.

1, and 2 left over.  
We write 1 in the 100s column as we are dividing the 100s, then 2 tens in front of the 10s digit.

We are going to move a sticky note along to hide and reveal each column in turn.

$$\begin{array}{r} 1 \\ 3 \overline{) 52} \end{array}$$

? How many 3s in 5?

? How many 3s in 24?

# Day 1: Use short division to divide 3-digit numbers by 1-digit numbers.

8

We write 8 in the 10s column as we are dividing the 10s.

$$\begin{array}{r} 18 \\ 3 \overline{) 524} \end{array}$$

?

How many 3s in 6?

## Day 1: Use short division to divide 3-digit numbers by 1-digit numbers.

2. We write 2 in the 1s column.

$$\begin{array}{r} 182 \\ 3 \overline{) 5246} \end{array}$$

The answer is **182**.

Use short division to divide 3-digit numbers by 1-digit numbers, including where the first digit is less than the divisor.

$$281 \div 6$$

Estimate how many 6s  
are in 281. ?

$40 \times 6 = 240$  and  
 $50 \times 6 = 300$ , so the  
answer must lie  
between 40 and 50.

Use short division to divide 3-digit numbers by 1-digit numbers, including where the first digit is less than the divisor.

We are going to move a sticky note along to hide and reveal each column in turn...

$$6 \overline{) 2 \square \square}$$

How many 6s in 2? None, so move the sticky note.

How many 6s in 28?

Use short division to divide 3-digit numbers by 1-digit numbers, including where the first digit is less than the divisor.

4, and 4 left over.

We write 4 in the 10s column as we are dividing the 10s, then 4 tens in front of the 1s digit.

$$\begin{array}{r} 4 \\ 6 \overline{) 28} \end{array}$$

The diagram shows a short division problem. A large '4' is written above the horizontal line. Below the line, the number '28' is written. A vertical line is drawn to the left of the '28', with a '6' to its left. A yellow square is placed to the right of the '8'.



How many 6s in 41?

Use short division to divide 3-digit numbers by 1-digit numbers, including where the first digit is less than the divisor.

$$\begin{array}{r} 46 \text{ r}5 \\ 6 \overline{)281} \end{array}$$

$$281 \div 6 = 46 \text{ r}5$$

How does this compare  
with your estimate?