

What do I do first?

Start with the largest place (hundreds, then tens, then ones).

Step 1: Hundreds

Look at the hundreds digit.

Ask:
How many times does 6 go into 8?

It goes 1 time.
👉 Write 100 on the top.

Step 2: Multiply and subtract

Multiply:

$$6 \times 100 = 600$$

Subtract:
 $828 - 600 = 228$

👉 This is what is left.

Step 3: Tens

Now look at the tens.
We have 22 tens.

Ask:
How many times does 6 go into 22?

It goes 3 times.
👉 Write 30 on the top.

Step 4: Multiply and subtract

Multiply:

$$6 \times 30 = 180$$

Subtract:
 $228 - 180 = 48$
👉 This is what is left.

Step 5: Ones

Now look at the ones.

Ask:
How many times does 6 go into 48?

It goes 8 times.
👉 Write 8 on the top.

Step 6: Multiply and subtract

Multiply:

$$6 \times 8 = 48$$

Subtract:
 $48 - 48 = 0$

Step 7: Find the answer

Add the numbers on the top:
 $100 + 30 + 8 = 138$

✅ Answer: 138



LONG DIVISION

$$\begin{array}{r} 138 \\ 6 \overline{) 828} \\ \underline{- 600} \\ 228 \\ \underline{- 180} \\ 48 \\ \underline{- 48} \\ 0 \end{array}$$

Annotations for the long division process:

- For the first step: 6×100 with an arrow pointing to the 600 being subtracted from 828 .
- For the second step: 6×30 with an arrow pointing to the 180 being subtracted from 228 .
- For the third step: 6×8 with an arrow pointing to the 48 being subtracted from 48 .