

Divide 3 - Digit Numbers

What is $213 \div 19$?

Divide and record.

STEP 1 Estimate to place the first digit.

$$200 \div 20 = 10 \text{ and } 220 \div 11 = 20$$

In both estimates the first digit is in the tens place, so you will place the first digit in the tens place.

STEP 2 Regroup 2 hundreds 1 ten as 21 tens.

Then divide 21 tens by 19.

$$\begin{array}{r} 1 \\ 19 \overline{)213} \\ \underline{19} \\ 02 \end{array}$$

D

$21 \div 19$

M

1×19

S

$21 - 19$

C

$2 < 19$

STEP 3 Bring down the ones. Divide 23 by 19.

$$\begin{array}{r} 11 \\ 19 \overline{)213} \\ \underline{19} \downarrow \\ 023 \\ \underline{19} \\ 4 \end{array}$$

D

$23 \div 19$

M

1×19

S

$23 - 19$

C

$4 < 19$

There are 4 left over so the remainder is 4.

So, $213 \div 19 = 11 \text{ r}4$.

Examples:

Divide and record.

1) $11 \overline{)806}$

$73 \text{ r } 3$

$11 \overline{)806}$

$\underline{-77}$

36

$\underline{-33}$

3

2) $15 \overline{)122}$

$8 \text{ r } 2$

$15 \overline{)122}$

$\underline{-120}$

2

3) $18 \overline{)581}$

$32 \text{ r } 5$

$18 \overline{)581}$

$\underline{-54}$

41

$\underline{-36}$

5

My Real Life

Maha has 504 jelly beans. She needs to place them equally in 4 jars. How many will Maha place in each Jar?



$$\begin{array}{r} 126 \\ 4 \overline{)504} \\ \underline{-4} \\ 10 \\ \underline{-8} \\ 24 \\ \underline{-24} \\ 00 \end{array}$$

Maha will place 126 jelly beans in each jar.