

Divide Using Repeated Subtraction

You can use repeated subtraction to divide. Use repeated subtraction to solve the problem.

Nestor has 27 shells to make bracelets. He needs 4 shells for each bracelet. How many bracelets can he make?

Divide. $27 \div 4$

Write $4 \overline{)27}$.

Step 1

Subtract the divisor until the remainder is less than the divisor. Record a 1 each time you subtract.

$4 \overline{)27}$	
$\underline{-4}$	1
23	
$\underline{-4}$	1
19	
$\underline{-4}$	1
15	
$\underline{-4}$	1
11	
$\underline{-4}$	1
7	
$\underline{-4}$	1
3	

Step 2

Count the number of times you subtracted the divisor, 4.

4 is subtracted six times with 3 left.

$$\begin{array}{r} 27 \div 4 \\ \underline{6 \text{ r}3} \end{array}$$

So, Nestor can make 6 bracelets. He will have 3 shells left.

Use repeated subtraction to divide.

1 $30 \div 4$

2 $24 \div 5$

3 $47 \div 7$
