

Name: Key

4th Grade Notes 6.5A Division Basic Steps p. 353

quiz

- dividend: number you have to divide
- divisor: number you're dividing by
- quotient: answer to a division problem

quiz

$24 \div 6 = 4$ $6 \overline{) 24}$

Annotations: A red arrow points from the 4 in the equation to the 4 in the quotient of the long division. A blue arrow points from the 6 in the equation to the 6 in the divisor of the long division. A blue arrow points from the 24 in the equation to the 24 in the dividend of the long division. A blue arrow points from the 4 in the quotient of the long division back to the 4 in the equation.

Division Steps:

quiz

1. divide
2. multiply
3. subtract
4. compare

(the difference **must** be less than the divisor)

5. bring down

Ex: $4 \div 2 = 2$ ← put answer

$$\begin{array}{r} \times 2 \\ 2 \overline{) 4} \\ - 4 \\ \hline 0 \end{array}$$

Annotations: A blue arrow points from the 2 in the multiplier to the 2 in the divisor. A blue arrow points from the 4 in the dividend to the 4 in the dividend. A blue arrow points from the 0 in the remainder to the text "compare to divisor - less".

Ex: $9 \div 3 = 3$

$$\begin{array}{r} 3 \\ 3 \overline{) 9} \\ - 9 \\ \hline 0 \end{array}$$