


Answer the following homework questions.

In Exercises 1-9, perform each division problem. Try to do each problem mentally using your multiplication tables. Remember that if $9 \cdot 8=72$ then $\frac{72}{9}=8$.

1) $20 \div 4$
2) $108 \div 12$
3) $15 \div 4$
4) $64 \div 8$
5) $132 \div 11$
6) $23 \div 6$
7) $55 \div 11$
8) $65 \div 5$
9) $17 \div 3$
in Exercises 10-15, rewrite each division problem as an equivalent multiplication problem.
sample: $24 \div 8=3$ is equivalent to $8 \cdot 3=24$
10) $36 \div 12=3$ 12) $54 \div 9=6$ 14) $100 \div 25=4$
11) $42 \div 7=6 \quad$ 13) $63 \div 7=9 \quad$ 15) $150 \div 10=15$

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In Exercises 22-27, write in the correct number to make the equation true.

$$
\begin{array}{lll}
\text { 22) } 54 \div \ldots=9 & \text { 24) } 24 \div \ldots=3 & \text { 26) } 88 \div \ldots=11 \\
\text { 23) } \div 9=8 & \text { 25) } \div 8=4 & \text { 27) } \div 12=7
\end{array}
$$

In Exercises 28-31, write in the correct number to make the equation true.

$$
\begin{array}{ll}
\text { 28) } 54 \div \ldots \text { undefined } & 30) 0 \div \ldots \\
\text { 29) } \div 9=0 & 31) \ldots 0=\text { undefined }
\end{array}
$$

objective 4 Write a mathematical expression using words.

Definition
The quotient of two numbers $a$ and $b$ is written $a \div b$. The word quotient indicates division.

Example 1: using the word quotient, write " $56 \div 8$ " as a word statement and find the value of the quotient.
We first begin our sentence by defining the mathematical operation first and then define the numbers. Notice how the word "and" is used.

The word statement is written as:
"The quotient of fifty-six and eight."
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The value of the quotient is 7 .

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|  | Example 2: using the word quotient, write |
|  | "231 $\div 7$ " as a word statement, and find the |
|  | value of the quotient. |
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|  | Answer the following homework questions. |
|  | 32) The word "quotient" is used to represent |
|  | 33) Write "the quotient of 54 and 6" using math symbols. |
|  | 34) Write "the quotient of $x$ and $y$ " using math symbols. |
|  | 35) using the word quotient, write " $732 \div 6$ " as a word statement |
|  | and find the value of the quotient. |
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