

Grade 3: Base 10 Concepts 2

DMTI VARIED PRACTICE

DMTI Varied Practice Worksheets

This PowerPoint displays the worksheets that have varied situations (context, visual, equations, and other mathematical models) for children to work on. By completing these worksheets, children increase their foundational skills in the topic, which will help them with these standards and future mathematical topics.

1. If using a journal, have children present the worksheet and complete all the problems.
2. Or print the 'Varied Practice Worksheet Slide' for them to work on. Then, you can return to the PowerPoint to look at the keys to check their work.

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Materials Needed

Printed copies of the Base 10 Concepts 2 worksheet

Instructions

The 10 Rule states, “When you divide a number by 10, each part of the number will decrease by one place value.”

You will use the 10 Rule to select the correct quotient and complete the sentence frame.

Note that the variable n stands for the unknown number.

Example:

Equation	Quotient (What is the value of n ?)	Sentence Frame
$30 \div 10 = n$	a) 300 b) 3 c) 13	$30 \div 10 = 3$ because the digit 3 in the tens place decreases by one place value to 3 units of one.

Equation	Quotient (What is the value of n ?)	Sentence Frame
$60 \div 10 = n$	a) 600 b) 6 c) 16	$60 \div 10 = \underline{\quad}$ because the digit 6 in the $\underline{\quad}$ place decreases by one place value to $\underline{\quad}$ units of one.
$90 \div 10 = n$	a) 9 b) 90 c) 19	$90 \div 10 = \underline{\quad}$ because the digit 9 in the $\underline{\quad}$ place decreases by one place value to 9 units of $\underline{\quad}$.
$130 \div 10 = n$	a) 120 b) 30 c) 13	$130 \div 10 = \underline{\quad}$ because the digit 1 in the $\underline{\quad}$ place decreases by one place value to $\underline{\quad}$ unit of ten and the 3 in the $\underline{\quad}$ place decreases to 3 units of $\underline{\quad}$.
$240 \div 10 = n$	a) 214 b) 24 c) 230	$240 \div 10 = \underline{\quad}$ because the digit $\underline{\quad}$ in the hundreds place decreases by $\underline{\quad}$ place value to 2 units of $\underline{\quad}$ and the $\underline{\quad}$ in the tens place decreases to 4 units of $\underline{\quad}$.

Equation	Quotient (What is the value of n ?)	Sentence Frame
$60 \div 10 = n$	a) 600 b) 6 c) 16	$60 \div 10 = 6$ because the digit 6 in the tens place decreases by one place value to 6 units of one.
$90 \div 10 = n$	a) 9 b) 90 c) 19	$90 \div 10 = 9$ because the digit 9 in the tens place decreases by one place value to 9 units of one.
$130 \div 10 = n$	a) 120 b) 30 c) 13	$130 \div 10 = 13$ because the digit 1 in the hundreds place decreases by one place value to 1 unit of ten and the 3 in the tens place decreases to 3 units of one.
$240 \div 10 = n$	a) 214 b) 24 c) 230	$240 \div 10 = 24$ because the digit 2 in the hundreds place decreases by one place value to 2 units of ten and the 4 in the tens place decreases to 4 units of one.