GeniusKite

Kids' Thinking Skills

Math Workbook

Grade 3
Ages 8-9





123

4 x 6

1/2

Math Practice and Thinking Challenges

GeniusKite Team

Math Thinking for Parents

A short guide / 1 of 2

How each section works

Every section has six pages. The first page starts with a short "learn it" box that explains the idea in plain words. The next pages give practice, then a screen-free hands-on activity, and the last page is a thinking challenge where your child explains, checks or spots a mistake.

Short, steady practice

Grade 3 is a big year for multiplication and division. A few facts practiced for 10 minutes most days works better than a long session. The multiplication chart on page 89 is a tool, not a cheat: use it to check and to find patterns.

Strategies before speed

Encourage fact strategies: doubles for 2s and 4s, 5s that end in 0 or 5, and breaking a hard fact into easy ones (7 x 8 = 5 x 8 + 2 x 8). Understanding comes first; quick recall follows with practice.

Fractions are numbers

Fractions in Grade 3 use halves, thirds, fourths, sixths and eighths. Fold paper, cut the fraction strips on page 90 and place fractions on a number line so your child sees that 1/2 and 2/4 are the same amount.

Hundreds, Tens and Ones



Name: _____ Warm-up 1 / 3

Read each question. Write your answer on the line.

In 476, the 4 means 4 hundreds (400), the 7 means 7 tens (70) and the 6 means 6 ones. To round to the nearest ten, look at the ones digit: 0-4 rounds down, 5-9 rounds up. 476 rounds to 480. To the nearest hundred, look at the tens digit: 476 rounds to 500.

1. What is the value of the 6 in 642?

2. What is the value of the 3 in 538?

3. What number has 3 hundreds, 6 tens and 0 ones?

4. Write 5 hundreds, 0 tens, 8 ones as a number.

5. What number is 100 more than 365?

6. What number is 10 less than 702?

7. Write 900 + 40 + 2 as one number.

8. What is the value of the 9 in 290?



Pip's tip: Look at the digit to the right of the place you round to.