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Additional Resources

Introduction

The old adage "practice makes perfect" can really hold true for children and their education. The more practice a child has with concepts taught in school, the more success they are likely to find. For many parents, knowing how to support their child's learning can be frustrating. This book is designed to eliminate the guesswork for parents using it at home while also being a valuable resource for educators using it in the classroom.

Here's how: Grade 3 students need a certain set of skills in order to be able to understand repeated addition and multiplication. *Practice Makes Perfect: Multiplication* covers the following skills:

- multiplication as repeated addition
- multiplication by 0–12
- identifying missing factors
- multiplying one-digit numbers and two-digit numbers
- multiplying by 10 and multiples of 10, using two- and three-digit numbers
- commutative and associative properties

- multiplying with one- and two-digit numbers, with and without regrouping
- using multiplication in simple word problems
- using multiplication to find the area of rectangles
- multiplying with three-digit numbers
- multiplying with up to four-digit numbers
- missing factors

Inside This Resource

Practice Pages (pages 4–39)—There are 36 practice pages organized sequentially so that children can build their knowledge toward higher-level math skills.
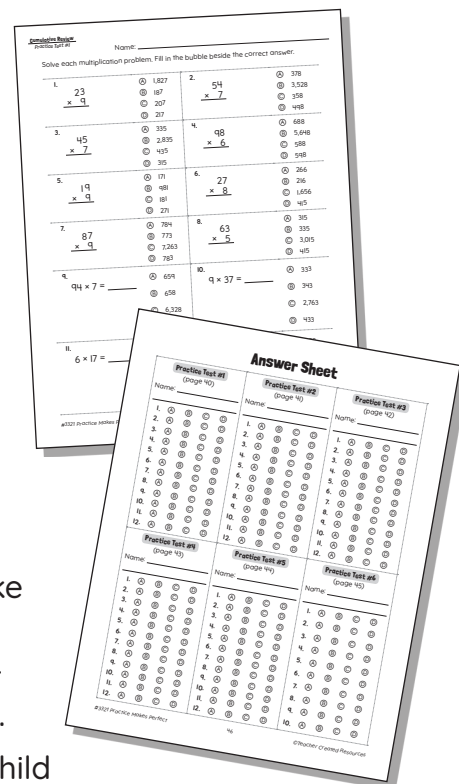
Cumulative Review (pages 40–45)—The six practice tests are given in a multiple-choice format designed to prepare students for the standardized tests administered in schools.

Answer Sheet (page 46)—The optional answer sheet provides a similar format to those found on standardized tests. This "bubble-in" answer sheet can be used in the classroom or at home.

Answer Key (pages 47–48)—The comprehensive key provides the answers for the practice pages and the practice tests.

Helpful Tips

- Keep practice sessions short, positive, and constructive.
- If your young learner seems overwhelmed by a full page of problems, break the activity up. Do a few rows at a time and take breaks as needed.
- Help with instructions. Consider asking your child to underline or repeat what they are being asked to find or solve on each page.
- Provide extra guidance and support in the areas in which your child is struggling. Look for ways to apply these skills to real-life situations.

Name: _____

Solve these problems. Use your Multiplication Chart if you need help.

1.	2.	3.	4.	5.
3 × 8	2 × 8	4 × 8	5 × 8	5 × 7

6.	7.	8.	9.	10.
1 × 7	10 × 7	4 × 7	2 × 6	4 × 6

11.	12.	13.	14.	15.
3 × 6	5 × 6	5 × 9	0 × 9	2 × 9

16.	17.	18.	19.	20.
1 × 9	9 × 9	8 × 8	10 × 6	7 × 6

21.	22.	23.	24.	25.
6 × 6	9 × 8	7 × 9	6 × 9	7 × 7

Name: _____

Solve these problems.

1.
```
    123
  ×   3
```

2.
```
    214
  ×   2
```

3.
```
    324
  ×   2
```

4.
```
    232
  ×   3
```

5.
```
    333
  ×   3
```

6.
```
    641
  ×   2
```

7.
```
    922
  ×   3
```

8.
```
    832
  ×   3
```

Solve these problems. Regroup, as shown in number 9.

9.
```
     1 1
     435
  ×    3
  ───────
   1,305
```

10.
```
    229
  ×   9
```

11.
```
    564
  ×   4
```

12.
```
    495
  ×   5
```

13.
```
    892
  ×   5
```

14.
```
    667
  ×   4
```

15.
```
    739
  ×   7
```

16.
```
    363
  ×   4
```

17.
```
    299
  ×   6
```

18.
```
    816
  ×   8
```

19.
```
    765
  ×   8
```

20.
```
    398
  ×   5
```

Name: _____

Solve these problems with regrouping. The first one has been done for you.

1.
```
    2
    3 1 1
   6,723
 ×    35
  33615
+20169↓
 235,305
```

2.
```
   9,534
 ×    62
```

3.
```
   4,321
 ×    42
```

4.
```
   2,233
 ×    63
```

5.
```
   3,332
 ×    94
```

6.
```
   4,554
 ×    36
```

7.
```
   2,197
 ×    42
```

8.
```
   7,642
 ×    19
```

9.
```
   5,623
 ×    81
```

10.
```
   8,701
 ×    57
```

11.
```
   6,740
 ×    16
```

12.
```
   2,905
 ×    27
```