For Students

MathSmart Guide

Contents

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Chapter 1

Whole Numbers to 1 000 000

Topics to be covered in this chapter:

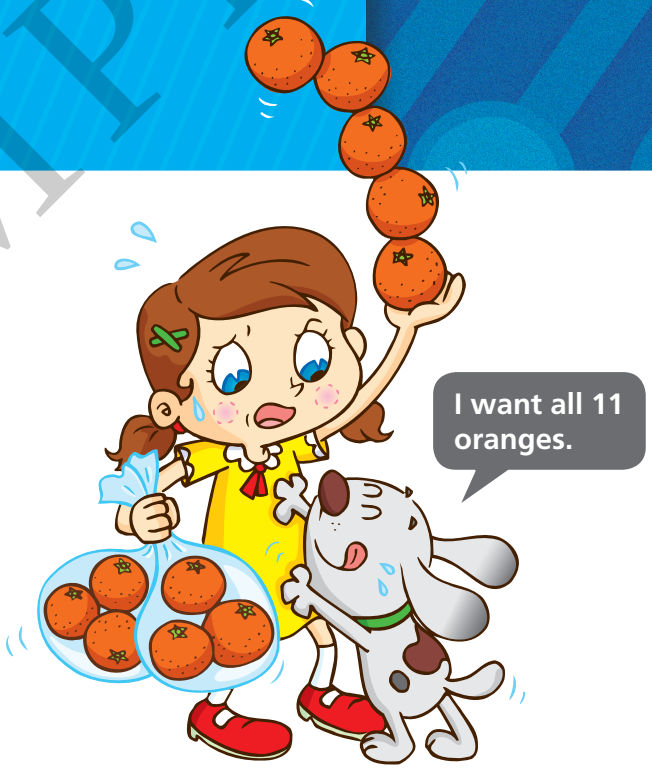
1.1 Writing Numbers to 1 000 000
e.g. 790 050 is seven hundred ninety thousand fifty.

1.2 Comparing and Ordering Whole Numbers
e.g. 789 500 < 798 050 < 798 500

1.3 Prime and Composite Numbers
e.g. The first 10 primes are 2, 3, 5, 7, 11, 13, 17, 19, 23, and 29.

1.4 Order of Operations
e.g. 5 + 3 x 2 = 5 + 6 = 11

1.5 Multiplying by Two-digit Numbers
e.g. 245 x 28 = 6860



Number of Oranges: 5 + 3 x 2 = 11

1.6 Dividing by Two-digit Numbers
e.g. 1812 ÷ 12 = 151

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1.1 Writing Numbers to 1 000 000

Write each number in the place value chart. Then use it to help you write the numbers in expanded form and in words.

1. 643 492

Expanded Form: 600 000 + _____

_____

Words: _____

_____

Place Value Chart

Thousands					
Hundred	Ten	One	Hundreds	Tens	Ones

2. 503 827

Expanded Form: _____

_____

Words: _____

_____

3.

Expanded Form: _____

_____

Words: _____

_____

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Write the numbers in numerals.

4. two hundred seventy thousand _____

5. 700 000 + 20 000 + 3000 + 40 + 6 _____

6. seventy thousand three hundred sixty-three _____

7. 200 000 + 60 000 + 200 _____

8. three hundred thousand five _____

Write the values of the coloured digits.

9. **4**05 371 _____

10. 923 **5**82 _____

11. 625 4**3**9 _____

12. 243 39**0** _____

13. 64**7** 895 _____

14. 895 4**3**1 _____

15. 4**5**8 362 _____

16. 24**8** 467 _____

Check the numbers that each sentence is describing.

17. The "5" has a value of 5000.

- ◯ 950 000
- ◯ 645 073
- ◯ 368 500
- ◯ 585 342

18. The "2" has a value of 2 ten thousands.

- ◯ 626 451
- ◯ 304 378
- ◯ 125 800
- ◯ 504 329

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Solve the problems. Show your work.

19. Write the prices of the houses in words.

A 
$895 000

B 
$748 690

C 
$921 880

D 
$846 595

A _____

B _____

C _____

D _____

20. The house that I'm selling has a "9" in the hundred thousands place. Write its price in expanded form.

House ◯ : _____

Application

㉑ *Using the digits 6, 7, 3, and three zeros, find all the possible 6-digit odd numbers.*

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