# Third grade

Chapter 7

7.1

# Divide by 2

You can draw a picture to show how to divide. Find the quotient. 16 ÷ 2 Step 1 Draw 16 counters. Step 2 Circle groups of 2. Continue circling groups of 2 until all 16 counters are in groups. There are 8 groups of 2. So, 16 ÷ 2 = 8.

You can use a multiplication table to divide by 10.

Find the quotient. 30 ÷ 10

Think of a related multiplication fact.

10 × **■** = 30

Step 1 Find the row for the factor, 10. This number is the divisor.

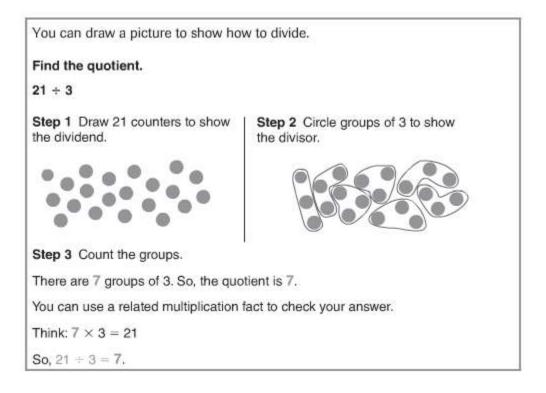
- Step 2 Look across the row to find the product, 30. This number is the dividend.
- × 0 1 2 3 4 5 6 7 8 9 10 12 15 21 24 27 28 32 36 40 16 20 24 35 40 24 30 36 42 48 54 60 28 35 42 49 56 63 70 32 40 48 56 64 45 54 63 72 40 50 60 70 80 90 100
- Step 3 Look up to the top row to find the unknown factor, 3. This is the quotient.

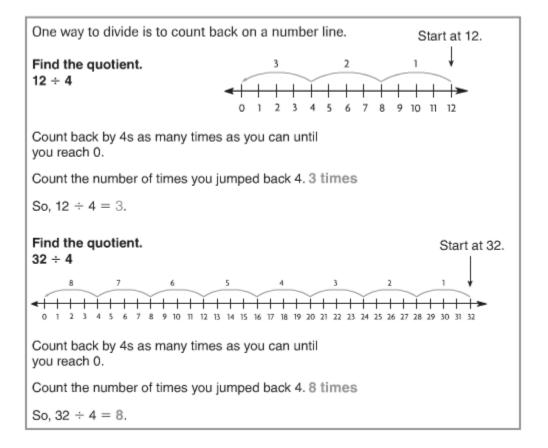
Since  $10 \times 3 = 30$ , then  $30 \div 10 = 3$ .

# 7.3

## Divide by 5

You can use a hundred chart and count up to help you divide.											
Find the quotient. $30 \div 5$											
Step 1 Count up by 5s until you reach 30. Circle the numbers you say in											
the count.	1	2	3	4	(5)	6	7	8	9	(10)	
Step 2 Count the number of times you	11	12	13	14	15	16	17	18	19	20	
count up.	21	22	23	24	25	26	27	28	29	30	
5 10 15	31	32	33	34	35	36	37	38	39	40	
5, 10, 15,,,	41	42	43	44	45	46	47	48	49	50	
1 2,,,		52	53	54	55	56	57	58	59	60	
1 Z,,,,	61	62	63	64	65	66	67	68	69	70	
Step 3 Use the number of times you count up		72	73	74	75	76	77	78	79	80	
to complete the equation.	81	82	83	84	85	86	87	88	89	90	
You counted up by 5 times.	91	92	93	94	95	96	97	98	99	100	
So, 30 ÷ 5 =											



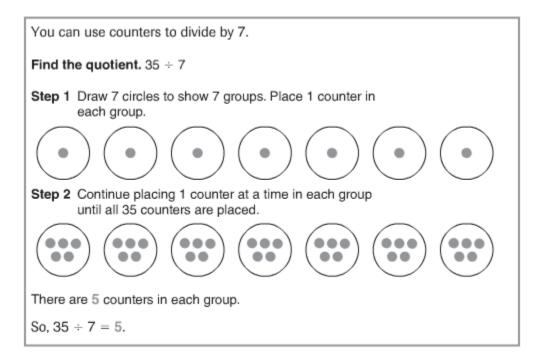


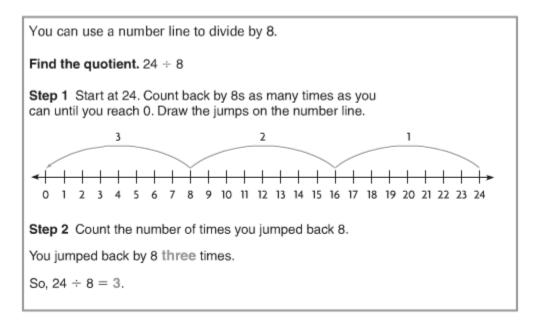
You can use a multiplication table to divide by 6. Find the quotient. 42 ÷ 6 Think of a related multiplication fact. 6 × ■ = 42 0 Find the row for the factor, 6. Look right to find the product, 42. Look up to find the unknown factor, 7. 7 is the factor you multiply by 6 to get the product, 42. So,  $6 \times 7 = 42$ . Use this related multiplication fact to find the quotient. Since  $6 \times 7 = 42$ , then  $42 \div 6 = 7$ . So,  $42 \div 6 = 7$ .

X)	0	1	2	3	4	5	6	7	8	9	10
0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10
2	0	2	4	6	8	10	12	14	16	18	20
3	0	3	6	9	12	15	18	21	24	27	30
4	0	4	8	12	16	20	24	28	32	36	40
5	0	5	10	15	20	25	30	35	40	45	50
6	0	6	12	18	24	30	36	42	48	54	60
7	0	7	14	21	28	35	42	49	56	63	70
8	0	8	16	24	32	40	48	56	64	72	80
9	0	9	18	27	36	45	54	63	72	81	90
0	0	10	20	30	40	50	60	70	80	90	100

# 7.7

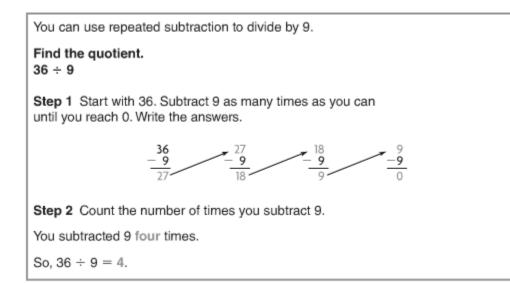
## Divide by 7





### 7.9

#### Divide by 9



Problem solving two step problems

Chloe bought 5 sets of books. Each set had the same number of books. She donated 9 books to her school. Now she has 26 books left. How many books were in each set that Chloe bought?

Read the Problem	Solve the Problem					
What do I need to find? I need to find how many <u>books</u> were in each <u>set</u> .	First, begin with the number of books left. Add the number of books donated. <i>t</i> , total books books number of left donated books					
What information do I need to use?	$\downarrow$					
I need to use the information given:	35 = t					
Chloe bought 5_ sets of books.	Then divide to find the number of books					
She donated 9 books.	in each set. t, total sets of s, books					
She has 26 books left.	number of books in each books set					
How will I use the information?	$\downarrow$					
I will use the information to <u>act out</u> the problem.	53 - 5 = 3 $\underline{7} = s$ So, $\underline{7}$ books were in each set.					

Order of operations

# **Order of Operations**

