

Base 10 Blocks

Topics:

Subtraction-(a) using 1 set

(b) using 2 sets

Division-(a) share evenly

(b) how many for each

Dienes Blocks, Base 10-

- (a) ones
- (b) tens

Jim has 52 marbles. John has 27 marbles. How

Compare the ones.

and 12 ones.

Seven is greater than

2. Regroup a 10 into 10

ones. This gives 4 tens

many more marbles does Jim have?

(c) hundreds

Problem B.

Jim had 52 marbles but lost 27. How many does he have left?

tens ones 1.

Problem A.

Show 52, putting ones and tens in the correct columns.

2.	lens	ones
		60000
		50

You can't take 7 from 2 Regroup a 10 into 10 on This gives 4 tens and 12

1.	tens	ones
	Į	
		oo -
		8860

tens

ones

Show 52 and 27, putting ones and tens in the correct columns.	52 - <u>27</u>

52

-27

52 -27 5

> 52 27 25

	2.
nes.	
2 ones.	

		. <u> </u>
3.	tens	ones
	—	
		00
		9280
	[880

Take away 7 ones.

Show how many are left.

4.	tens	ones
		20002
	<u>I</u>	
		800

Take away 2 tens.

Show how many tens are left.

3. 200

4.

tens	ones	
	00	N
11		

Match up the ones. Show the difference.

lens	ones	
	65555 65555	
I	.	Match up the tens.
]]	880	Show the difference.

Problem C.

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Susan has a package of 144 candy canes that she wants to share evenly among 6 friends. How many canes will each friend get?

[]] 111 88	Show the 144 canes to be divided evenly among 6 friends.	6/144
11111 11111 1111 88 1111 88	You can't give 100 to each. One hundred is 10 tens, so you have 14 tens altogether.	6) 14 4
	Give 2 tens to each friend, and record 2 in the tens column. This portioning takes 12 tens, leaving 2 tens.	2: 6) 14 4 12 2
	Each 10 is 10 ones. With the 4 left, this makes 24 ones.	2; 6) 14 4 12 2;4
88 88 88 58 88 58	Give 4 canes to each friend, and record a 4 in the ones col- umn. This sharing takes 24 canes, and no canes are left.	2:4 6) 14 4 12 2 4
Hee Hee	So, each friend got 24 canes.	<u>2 4</u> 0

Problem D.

Susan has a package of 144 candy canes, enough for her to give 6 to each of her friends. How many friends can she share the candy canes with?

	Show the 144 canes to be divided into groups of 6.	6)144
	You can't make 100 groups of 6.	
	You can make 20 groups of 6. Twenty is 2 tens.	
	Record 2 in the tens column.	2 6)144
656666 666666 666666 666666 666666 666666 666666	Take 100 and 2 tens away.	12 2
888888 88888 88 88 88 88 88 88	Two tens are left.	
	Each 10 is 10 ones. With the 4 left, this makes 24 ones.	2 6)144 12 24
	Make another 4 groups of 6. Record the 4 in the ones column. Take the 24 away.	24 6)144 12 24
	There are 24 groups of 6 altogether, so Susan can share with 24 friends.	24

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