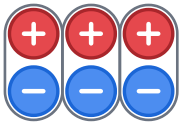
Name _____ Date _____

INTEGERS WITH COUNTERS · LESSON 6

Subtracting from Zero and Subtracting Negatives

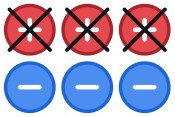
Example

0 – 3 = ?



1 Start with 0: the mat is empty.

2 We need to remove 3 red counters. Add 3 zero pairs.



3 Remove 3 red counters. 3 blue counters are left.

0 – 3 = –3

1 Subtracting from zero. Draw counters and work it out.

0 – 4 = ☐

0 – (–4) = ☐

0 – 1 = ☐

0 – (–6) = ☐

If we subtract a number from zero, we get its _____ number.

2 Subtracting negative numbers. Draw counters, add zero pairs if needed, cross out the ones you remove and work it out.

–5 – (–3) = ☐

–4 – (–4) = ☐

–2 – (–5) = ☐

–1 – (–6) = ☐

–6 – (–2) = ☐

–3 – (–7) = ☐

3 Fill in the Difference column and write your own example for each row.

STEP	DESCRIPTION	MINUEND	SUBTRAHEND	DIFFERENCE	MY EXAMPLE
3.	**Subtracting an integer from zero**	0	+		
		0	−		
4.	**Subtracting negative integers**	−	−		
		−	−		
		−	−		

4 Lana says: "I can't work out −3 − (−8) because I have only 3 blue counters and I need to remove 8." Explain to Lana how to find the difference.

5 Work these out without counters.

a) 0 − 13 = _____ **b)** 0 − (−9) = _____ **c)** −15 − (−6) = _____

d) −8 − (−20) = _____ **e)** −11 − (−11) = _____ **f)** 0 − (−25) = _____

Check in the app **otooly.com/counters**.

Remember

To subtract a negative number from a negative number, we remove _____ counters. If there are not enough, we add _____.