Subtract directed numbers



What is the total value when one counter is removed from each set?

Complete the calculations.



b) -1 -1 -1 -1 -1

c) -1 -1 -1 -1 -1 -1 -1 -1

Discuss what happens with a partner.

Complete the calculations.Use counters to help you.



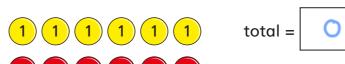
a) -5 - (-1) = -4

c) -5 - (-3) = -2

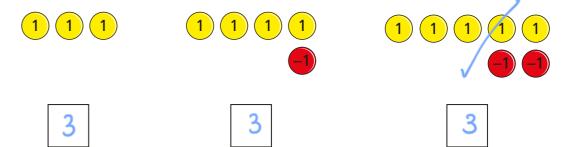
b) -5 - (-2) = -3

1) -5 - (-5) =

What is the total value of the set of counters?



What is the total value of each set of counters?



Tick the set of counters that will help you to work out the answer to 3 - (-2)

Explain your choice.

There are 2 negative country to take away.

Complete the calculation. $3 - (-2) = \boxed{5}$

Complete the calculations.

Talk about your answers with a partner.

- 6 Complete the sequence of subtractions.
 - 4 4 = 0

4 - (-1) = 5

4 - 3 =

4 - (-2) = 6

4 - 2 = 2

4 - (-3) = 7

4 - 1 = 3

4 - (-4) = 8

- 4 0 = 4
- What do you notice?
- Brett says -5 4 = 9
 - What mistake do you think Brett has made?
 - He has seen two negatives and wrongly assumed they make a positive. -5-4=-9
- 8 Work out the calculations.
 - α) 0 7 = **-7**
- f) 0 (-7) = **7**
- **b)** 2 7 = **5**

- g) -2 7 = **-9**
- c) 2 (-7) =
- h) -2 (-7) = 5
- **d)** 3 (–5) =
- i) -10 3 = -13
- e) -5 = -7 (-2)
- j) -10 (-3) = -7



- 9 Work out the missing numbers.
 - a) 8 | 19 | = -11
- e) 11 = 8 **-3**
- **b)** -8 3 = -11
- f) 11 = -8 - 19
- c) 8 3 = 5
- g) -5 = 8 | 13
- d) -8 -13 = 5
- h) -5 = -8 -3
- 10) Work out the missing numbers.
 - α) -4 (-13) = 7 - 2
- c) -16 -4 = -7 13
- **b)** -13 4 = -24 (-7)
- d) -7 2 = -13 (-4)
- Find pairs of numbers to complete the statements.

How many different solutions can you find?

Class 7A recorded the temperature during winter every day.

Day	Temperature (°C)
Monday	-6
Tuesday	-3
Wednesday	1
Thursday	-4
Friday	2
Saturday	-2

What is the range of the temperatures?

8°C

