

Exercises for Chapter 0

0.1.1

Example

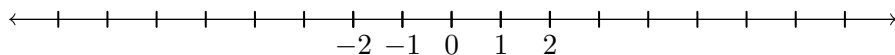
8 is directed to the right, and has length 8.

-7 is directed to the left, and has length 7.

Fill in the missing words.

- a) 9 is directed to the, and has length
- b) 4 is directed to the, and has length
- c) -3 is directed to the, and has length
- d) 12 is directed to the, and has length
- e) -11 is directed to the, and has length
- f) -25 is directed to the, and has length

0.1.2



draw the number line, and place the the numbers on it.

- a) 3 b) -4 c) -8 d) 7 e) -3 f) 5 g) -5

0.1.3

Look back at the numbers from [Exercise 0.1.2](#). Write down which numbers are

- a) positive numbers b) negative numbers

0.2.1

Calculate.

- a) $8 + (-7)$ b) $12 + (-5)$ c) $9 + (-3)$ d) $7 + (-7)$
e) $-5 + 8$ f) $-9 + 10$ g) $-1 + 11$ h) $-4 + 9$

0.2.2

Calculate.

- a) $3 + (-19)$ b) $7 + (-15)$ c) $-20 + (-3)$ d) $7 + (-7)$
e) $-4 + (-19)$ f) $-2 + (-15)$ g) $-8 + 5$ h) $-6 + 6$

0.2.3

Calculate.

- a) $8 - (-7)$ b) $12 - (-5)$ c) $9 - (-3)$ d) $7 - (-7)$
e) $-5 - 8$ f) $-9 - 10$ g) $-1 - 11$ h) $-4 - 9$

0.2.4

Calculate.

- a) $3 - (-19)$ b) $7 - (-15)$ c) $-20 - (-3)$ d) $7 - (-7)$
e) $-4 - (-19)$ f) $-2 - (-15)$ g) $-8 - 5$ h) $-6 - 6$

0.2.5

Calculate.

- a) $3 \cdot (-4)$ b) $5 \cdot (-10)$ c) $7 \cdot (-9)$ d) $4 \cdot (-6)$
e) $(-7) \cdot 8$ f) $(-3) \cdot 9$ g) $(-1) \cdot 12$ h) $(-10) \cdot 4$
i) $(-3) \cdot 7$ j) $(-5) \cdot 5$ k) $(-6) \cdot 2$ l) $(-8) \cdot 9$

0.2.6

Calculate.

- a) $(-32) : 8$ b) $(-42) : 7$ c) $(-30) : 6$ d) $(-20) : 5$
e) $72 : (-9)$ f) $63 : (-7)$ g) $50 : (-10)$ h) $25 : (-5)$
i) $(-72) : (-9)$ j) $(-63) : (-7)$ k) $(-50) : (-10)$