



Englische Übungen zu Ganze Zahlen

1.
 - a. Emma has a bank account where she saves and spends money. Imagine Emma starts with €10 in her account. She spends €5 on a toy. Then she adds €7. Then she spends €15, how much is her balance?
 - b. Compare these balances: Yesterday Emma had €8, and today she has €5; is her balance higher or lower today? If she adds €10 tomorrow, will her balance be positive or negative?

2. The numbers $a=-13$, $b=12$ and $c=15$ are given:
 - a. Find the sum of the numbers a and b .
 - b. Find the difference between the numbers b and c .
 - c. Calculate the average of the three numbers:

3. In December 2023, Graz experienced a typical winter weather with cold temperatures and occasional snowfall. Daytime temperatures generally hovered around 4°C , while nighttime temperatures often dropped below freezing, reaching as low as -3°C . Calculate the temperature difference in Graz between day and night.

4. It's a thrilling football match between two teams: the Lions and the Tigers. Each time a team scores a touchdown, they earn 7 points. At the start of the game, both teams have 0 points. In the first quarter, the Lions score two touchdowns. During the second quarter, the Tigers score one touchdown and earn 7 points. However, they also get a penalty that costs them 5 points. In the third quarter, the Tigers score another touchdown and earn 7 more points. In the fourth quarter, neither team scores.
 - a. Which team had a higher score at half-time? Which team won the game?
 - b. If the Lions had received a penalty of 3 points in the third quarter, what would their new score be?





5. Illustrate the subtraction on a number line!
- $9 - 4$
 - $4 - 9$
 - $-4 - 3$

Vocabulary

Englisch	Deutsch
bank account	Bankkonto
imagine	vorstellen
compare	vergleichen
higher	größer
lower	kleiner
suitable	geeignet
number line	Zahlenstrahl
sum	Summe
difference	Differenz
calculate	berechnen
average	Mittelwert
experience	erleben
occasional	gelegentlich
hover	schwanken
First quarter	Erstes Viertel
second	zweiter
third	dritter
fourth	vierter
penalty	Strafe
Half- time	Halbzeit
cost	kosten
neither	niemand
illustrate	darstellen
subtraction	Subtraktion

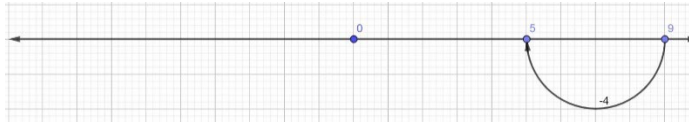




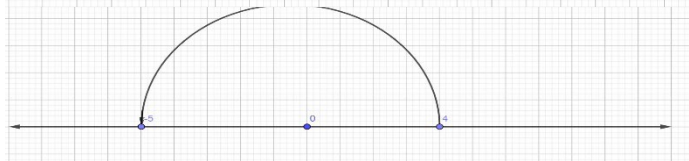
Solutions

- a. €-3 b. lower, positive
- a. -1 b. -3 c. 7
- 7
- a. Lions, Lions b. 11

5. a.



b.



c.

