# 

**Mathe sicher können  
Diagnose- und Fördermaterial**

**N7 Schriftlich addieren und subtrahieren**

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| Inhalt |  |  |
| Baustein N7A | **Ich kann schriftlich addieren und das Rechenverfahren erklären** ◼ Diagnosematerial (1 Seite Standortbestimmung)  ◼ Fördermaterial in vier Fördereinheiten (5 Seiten) | |
| Baustein N7B | Ich kann schriftlich subtrahieren und das Rechenverfahren erklären  ◼ Diagnosematerial (1 Seite Standortbestimmung)  ◼ Fördermaterial in drei Fördereinheiten (5 Seiten) | |

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|  | Dieses Material wurde durch Theresa Deutscher, Kathrin Akinwunmi, Christoph Selter, Corinna Mosandl und Marcus Nührenbörger konzipiert und hier redaktionell bearbeitet. Es kann unter Creative Commons Lizenz BY-NC-SA (Namensnennung – Nicht kommerziell – Weitergabe unter gleichen Bedingungen) 4.0 International weiterverwendet werden. |
| **Zitierbar als** | Deutscher, Theresa, Akinwunmi, Kathrin, Selter, Christoph, Mosandl, Corinna, Nührenbörger, Marcus (2025). Mathe sicher können Diagnose- und Förderbausteine N7: Schriftlich addieren und subtrahieren. In Christoph Selter, Susanne Prediger, Marcus Nührenbörger & Stephan Hußmann (Hrsg.), Mathe sicher können. Diagnose- und Förderkonzept zur Sicherung mathematischer Basiskompetenzen (2. Auflage). Open Educational Resources unter mathe-sicher-koennen.dzlm.de/nz#n7 |
| **Hinweis zu**  **verwandtem Material** | Der zu diesem Diagnose- und Fördermaterial gehörige Didaktische Kommentar ist zu finden unter mathe-sicher-koennen.dzlm.de/nz#n7 |

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| A | Kann ich schriftlich addieren und das Rechenverfahren erklären? | |
| 1 | Addition ohne Übertrag | |
|  | Rechne aus. | |
|  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | a) | |  |  |  |  | | --- | --- | --- | --- | |  | 2 | 6 | 4 | | + | 7 | 1 | 2 | |  |  |  |  | | b) | |  |  |  |  | | --- | --- | --- | --- | |  | 1 | 3 | 4 | | + | 5 | 5 | 4 | |  |  |  |  | | |  |
| 2 | Addition mit Übertrag |  |
|  | Rechne aus. |  |
|  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | a) | |  |  |  |  | | --- | --- | --- | --- | |  | 2 | 4 | 1 | | + | 5 | 8 | 2 | |  |  |  |  | | b) | |  |  |  |  | | --- | --- | --- | --- | |  | 3 | 3 | 4 | | + | 2 | 9 | 7 | |  |  |  |  | | c) | |  |  |  |  | | --- | --- | --- | --- | |  | 6 | 3 | 8 | | + | 5 | 4 | 7 | |  |  |  |  | | | d) | Sarah rechnet die Aufgabe 427 + 456. Erläutere ihre Rechenschritte.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | |  | 4 | 2 | 7 | | + | 4 | 5 | 6 | |  |  | 1 |  | |  |  |  | 3 | | Sarah hat eigentlich 13 Einer ausgerechnet. Sie schreibt aber nur die 3 zu den Einern, weil | | | | | | |  |
| 3 | Addition mit Nullen | |
|  | Rechne aus. | |
|  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | a) | |  |  |  |  | | --- | --- | --- | --- | |  | 7 | 3 | 0 | | + | 1 | 0 | 7 | |  |  |  |  | | b) | |  |  |  |  | | --- | --- | --- | --- | |  | 1 | 4 | 0 | | + | 5 | 1 | 0 | |  |  |  |  | | c) | |  |  |  |  | | --- | --- | --- | --- | |  | 3 | 4 | 2 | | + | 1 | 6 | 7 | |  |  |  |  | | |  |
| 4 | Addition mit unterschiedlicher Stellenzahl Schreibe untereinander und rechne aus. | |
|  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | a) | 34 + 152   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  | | b) | 719 + 64   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  | | c) | 1697 + 85   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  | | |  |

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| A | Ich kann schriftlich addieren und das Rechenverfahren erklären | | |
| 1 | Zahlen mit Material darstellen | | |
| 1.1 | Rechenwege vergleichen | | |
|  | a) | Kenan und Tim rechnen die Aufgabe **562 + 314**. Erläutert ihre Rechnungen.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Kenan rechnet stellenweise:   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 562 | + | 314 | = | 876 | | 2 | + | 4 | = | 6 | | 60 | + | 10 | = | 70 | | 500 | + | 300 | = | 800 | | Tim rechnet schriftlich untereinander:   |  |  |  | | --- | --- | --- | | H | Z | E | | 5 | 6 | 2 | | + 3 | 1 | 4 | | 8 | 7 | 6 | | | |
|  | b) | Markiert die Einer in Gelb, die Zehner in Rot und die Hunderter in Grün.  Was fällt euch auf? Was ist gleich? Was ist verschieden? | |
| 1.2 | Rechenwege ausprobieren | | |
|  | Rechne die Aufgabe **152 + 437** so wie Kenan und so wie Tim.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | 152 | + | 437 | = |  | |  | + |  | = |  | |  | + |  | = |  | |  | + |  | = |  | |  | |  |  |  | | --- | --- | --- | | H | Z | E | |  |  |  | |  |  |  | |  |  |  | | | | |
| 1.3 | Schriftlich rechnen untereinander | | |
|  | Rechnet schriftlich untereinander.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | a) | |  |  |  |  | | --- | --- | --- | --- | |  | **H** | **Z** | **E** | |  | 2 | 4 | 1 | | + | 1 | 2 | 3 | |  |  |  |  | | b) | |  |  |  |  | | --- | --- | --- | --- | |  | **H** | **Z** | **E** | |  | 3 | 8 | 2 | | + | 4 | 1 | 2 | |  |  |  |  | | c) | |  |  |  |  | | --- | --- | --- | --- | |  | **H** | **Z** | **E** | |  | 6 | 5 | 3 | | + | 2 | 3 | 6 | |  |  |  |  | | d) | |  |  |  |  | | --- | --- | --- | --- | |  | **H** | **Z** | **E** | |  | 7 | 6 | 3 | | + | 1 | 2 | 6 | |  |  |  |  | | | | |
| 1.4 | Rechnen mit Ziffernkarten | | |
|  | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 |   Nimm dir die Ziffernkarten | | |
|  | a) | Lege mit den Ziffernkarten immer zwei dreistellige Zahlen  und addiere sie. Schreibe die Rechnungen in dein Heft. | Beispiel:   |  |  |  | | --- | --- | --- | | 4 | 3 | 2 | | 1 | 2 | 4 |   Rechnung:   |  |  |  |  | | --- | --- | --- | --- | |  | 4 | 3 | 2 | | + | 1 | 2 | 4 | |  | 5 | 5 | 6 | |
|  | b) | Lege die Aufgabe 432 + 124. Vertausche immer zwei Ziffernkarten.  Überlege zuerst, ob das Ergebnis kleiner oder größer wird.  Rechne dann aus und überprüfe. |
|  | c) | Findet die Aufgabe mit dem kleinsten Ergebnis. Wie geht ihr vor?  Findet die Aufgabe mit dem größten Ergebnis. Wie geht ihr vor? |
| 2 | Addition mit Übertrag | | |
| 2.1 | Rechenwege vergleichen | | |
|  | Kenan und Tim rechnen die Aufgabe **284 + 365**.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Kenan rechnet stellenweise:   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 284 | + | 365 | = | 649 | | 4 | + | 5 | = | 9 | | 80 | + | 60 | = | 140 | | 200 | + | 300 | = | 500 |   Wenn ich die Aufgabe mit Würfel-material nachlege, dann bündele ich 10 Zehner zu einem Hunderter.  Kenan | Bei mir ist das genauso:  Ich bündele in meiner Rechnung  auch 10 Zehner zu einem Hunderter. | Tim rechnet schriftlich untereinander:  Tim   |  |  |  | | --- | --- | --- | | H | Z | E | | 2 | 8 | 4 | | +3 | 6 | 5 | | 5  1 | 14 | 9 | | 6 | 4 | 9 | | |  |  |  | | | |
|  | a) | Was meint Kenan? Legt die Aufgabe mit Würfelmaterial  oder zeichnet ein Bild und erklärt. | |
|  | b) | Was meint Tim? Erklärt an seiner Rechnung und vergleicht mit Kenans Rechnung. | |
|  | c) | Dilara verwendet eine kürzere Schreibweise als Tim. Was macht sie anders?  Was ist gleich? Beschreibt zuerst und notiert ihre Idee dann in der Sprechblase.   |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Dilara rechnet so:   |  |  |  | | --- | --- | --- | | 2 | 8 | 4 | | +3  1 | 6 | 5 | | 6 | 4 | 9 | | Dilara  Ich habe eigentlich 14 Zehner raus, aber | | |
| 2.2 | Rechenwege ausprobieren | | |
|  | Rechnet die Aufgabe **391 + 287** so wie Tim und so wie Dilara.  Erläutert die Rechenwege.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Tim rechnet so:  Tim   |  |  |  | | --- | --- | --- | | H | Z | E | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  | Dilara rechnet so:  Dilara   |  |  |  | | --- | --- | --- | |  |  |  | |  |  |  | |  |  |  | | | | |

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| 2.3 | Rechenwege vergleichen | | |
|  | Kenan, Tim und Dilara rechnen die Aufgabe **489 + 257**.  Beschreibt ihre Rechenwege. Was ist gleich? Was ist verschieden?   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | 489 | + | 257 | = | 746 | | 9 | + | 7 | = | 16 | | 80 | + | 50 | = | 130 | | 400 | + | 200 | = | 600 |   Kenan | |  |  |  | | --- | --- | --- | | H | Z | E | | 4 | 8 | 9 | | + 2 | 5 | 7 | | 6  1 | 13  1 | 16 | | 7 | 4 | 6 |   Tim | Dilara   |  |  |  | | --- | --- | --- | | 4 | 8 | 9 | | + 2  1 | 5  1 | 7 | | 7 | 4 | 6 | | | | |
| 2.4 | Rechenwege ausprobieren | | |
|  | a) | Rechne die Aufgabe **376 + 158** so wie Tim und so wie Dilara.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Tim rechnet so: | |  |  |  | | --- | --- | --- | | H | Z | E | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  | Dilara rechnet so:   |  |  |  | | --- | --- | --- | |  |  |  | |  |  |  | |  |  |  | | | |
|  | b) | Rechne die Aufgabe **298 + 493** so wie Tim und so wie Dilara.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Tim rechnet so: | |  |  |  | | --- | --- | --- | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | | Dilara rechnet so:   |  |  |  | | --- | --- | --- | |  |  |  | |  |  |  | |  |  |  | | | |
| 2.5 | Rechnen mit Ziffernkarten | | |
|  | |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |   Nimm die Ziffernkarten. | | |
|  | a) | Lege mit den Ziffernkarten Aufgaben mit dreistelligen Zahlen.  Schreibe die Rechnungen in dein Heft und löse sie. |  |
|  | b) | Lege mit den Ziffernkarten Aufgaben mit **einem** Übertrag.  Schreibe die Rechnungen in dein Heft und löse sie. Erkläre. | Beispiel:   |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | | + |  |  |  | |  | 4 | 4 | 4 | |
|  | c) | Wie findet ihr Aufgaben mit **zwei** Überträgen? Erklärt.  Legt eigene Aufgaben und schreibt die Rechnungen auf. |
|  | d) | Findet Aufgaben, bei denen das Ergebnis möglichst nah an 444 liegt.  Wie geht ihr vor? |
| 3 | Addition mit Nullen | | |
| 3.1 | Rechenwege vergleichen | | |
|  | a) | Kenan und Dilara rechnen die Aufgabe **231 + 174**. Beschreibt ihre Rechenwege.  Wie kommen Kenan und Dilara auf die Null im Ergebnis?   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Kenan   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 231 | + | 174 | = | 405 | | 1 | + | 4 | = | 5 | | 30 | + | 70 | = | 100 | | 200 | + | 100 | = | 300 | | |  |  |  | | --- | --- | --- | | 2 | 3 | 1 | | +1  1 | 7 | 4 | | 4 | 0 | 5 |     Dilara | | |
|  |  |  | |
|  | b) | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Welchen Fehler  macht Tara?  Tara | |  |  |  |  | | --- | --- | --- | --- | |  | 3 | 0 | 5 | | + | 5 | 3 | 4 | |  | 8 | 0 | 9 | |  | | |
| 3.2 | Schriftlich untereinander rechnen | | |
|  | Rechne die Aufgaben so wie Dilara.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | a) | |  |  |  |  | | --- | --- | --- | --- | |  | 4 | 3 | 1 | | + | 5 | 0 | 6 | |  |  |  |  | | b) | |  |  |  |  | | --- | --- | --- | --- | |  | 4 | 0 | 1 | | + | 5 | 3 | 6 | |  |  |  |  | | c) | |  |  |  |  | | --- | --- | --- | --- | |  | 2 | 7 | 0 | | + | 1 | 6 | 0 | |  |  |  |  | | d) | |  |  |  |  | | --- | --- | --- | --- | |  | 4 | 8 | 3 | | + | 1 | 2 | 6 | |  |  |  |  | |   Schreibe die fehlenden Ziffern in die grauen Kästchen.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | e) | |  |  |  |  | | --- | --- | --- | --- | |  | 7 | 4 |  | | + | 1 | 5 | 3 | |  | 8 | 9 | 3 | | f) | |  |  |  |  | | --- | --- | --- | --- | |  | 6 | 0 | 7 | | + | 3 | 2 |  | |  | 9 |  | 7 | | g) | |  |  |  |  | | --- | --- | --- | --- | |  | 2 | 7 | 0 | | + | 2 |  | 0 | |  |  | 0 |  | | h) | |  |  |  |  | | --- | --- | --- | --- | |  | 5 | 3 | 4 | | + | 1 | 0 |  | |  | 6 |  | 4 | | | | |

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| 3.3 | Rechnen mit Ziffernkarten | | | |
|  | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 0 | 0 | 2 | 3 | 4 | 6 |   Nimm die Ziffernkarten. | | Beispiel:   |  |  |  | | --- | --- | --- | | 2 | 0 | 4 | | 6 | 0 | 3 | | Rechnung:   |  |  |  |  | | --- | --- | --- | --- | |  | 2 | 0 | 4 | | + | 6 | 0 | 3 | |  | 8 | 0 | 7 | |
|  | a) | Lege mit den Ziffernkarten immer zwei dreistellige Zahlen  und addiere sie. Schreibe die Rechnungen in dein Heft. |
|  | b) | Findet die Aufgabe mit dem kleinsten Ergebnis. Wie geht ihr vor?  Findet die Aufgabe mit dem größten Ergebnis.  Wie geht ihr vor? |
| 4 | Addition mit unterschiedlicher Stellenzahl | | | |
| 4.1 | Fehler erklären | | | |
|  | Jonas rechnet **462 + 1237**. Welchen Fehler macht Jonas? Worauf sollte er achten?   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | 4 | 6 | 2 |  | | + | 1 | 2 | 3 | 7 | |  | 5 | 8 | 5 | 7 | | Jonas |  | | | | |
| 4.2 | Aufpassen auf die Stellenwerte | | | |
|  | Schreibe richtig untereinander und rechne aus. Worauf musst du achten?   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | a) | 47 + 821   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  | | b) | 364 + 27   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  | | c) | 456 + 37   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  | | c) | 371 + 7986   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  | | | | | |
| 4.3 | Rechnen mit Ziffernkarten  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | | |
|  | Nimm die Ziffernkarten.  Du darfst Ziffernkarten auch mehrmals verwenden.  Erfinde Additions-Aufgaben. Alle grauen Kästchen müssen belegt werden.  Lege zuerst mit Ziffernkarten. Schreibe dann auf und rechne aus.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | a) | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | **T** | **H** | **Z** | **E** | |  |  |  |  |  | | + |  |  |  |  | |  |  |  |  |  | |  | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | **T** | **H** | **Z** | **E** | |  |  |  |  |  | | + |  |  |  |  | |  |  |  |  |  | |  | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | **T** | **H** | **Z** | **E** | |  |  |  |  |  | | + |  |  |  |  | |  |  |  |  |  | |  | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | **T** | **H** | **Z** | **E** | |  |  |  |  |  | | + |  |  |  |  | |  |  |  |  |  | | | b) | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | **T** | **H** | **Z** | **E** | |  |  |  |  |  | | + |  |  |  |  | |  |  |  |  |  | |  | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | **T** | **H** | **Z** | **E** | |  |  |  |  |  | | + |  |  |  |  | |  |  |  |  |  | |  | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | **T** | **H** | **Z** | **E** | |  |  |  |  |  | | + |  |  |  |  | |  |  |  |  |  | |  | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | **T** | **H** | **Z** | **E** | |  |  |  |  |  | | + |  |  |  |  | |  |  |  |  |  | | | | | |
|  | |  |  |  |  | | --- | --- | --- | --- | | c) | Finde das größte Ergebnis, wenn jede Ziffer nur einmal genutzt werden darf.  Probiere mit den Ziffernkarten. Begründe. | | | | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |  | **T** | **H** | **Z** | **E** | |  |  |  |  |  | | + |  |  |  |  | |  |  |  |  |  | |  |  | | | | |

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| B | Kann ich schriftlich subtrahieren und das Rechenverfahren erklären? | |
| 1 | Subtraktion ohne ‚Übertrag‘ Rechne aus. | |
|  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | a) | |  |  |  |  | | --- | --- | --- | --- | |  | 8 | 9 | 6 | | – | 1 | 2 | 3 | |  |  |  |  | | c) | |  |  |  |  | | --- | --- | --- | --- | |  | 7 | 9 | 8 | | – | 6 | 5 | 4 | |  |  |  |  | | |  |
| 2 | Subtraktion mit ‚Übertrag‘ Rechne aus. |  |
|  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | a) | |  |  |  |  | | --- | --- | --- | --- | |  | 7 | 2 | 6 | | – | 3 | 5 | 1 | |  |  |  |  | | b) | |  |  |  |  | | --- | --- | --- | --- | |  | 8 | 4 | 5 | | – | 3 | 4 | 7 | |  |  |  |  | | c) | |  |  |  |  | | --- | --- | --- | --- | |  | 6 | 3 | 1 | | – | 5 | 7 | 9 | |  |  |  |  | | |  |
|  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | d) | □ Ich rechne so:   |  |  |  | | --- | --- | --- | | 6 | 7  8 | 10  2 | | – 4 | 3 | 8 | | 2 | 4 | 4 | |  | □ Ich rechne so:   |  |  |  | | --- | --- | --- | | 6 | 8 | 10  2 | | – 4 | 3  1 | 8 | | 2 | 4 | 4 | |  | □ Ich rechne anders:  Schreibe auf.   |  |  |  | | --- | --- | --- | | 6 | 8 | 2 | | – 4 | 3 | 8 | |  |  |  | |  |  | |  |
| 3 | Subtraktion mit Nullen Rechne aus. | |
|  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | a) | |  |  |  |  | | --- | --- | --- | --- | |  | 9 | 0 | 9 | | – | 4 | 0 | 1 | |  |  |  |  | | b) | |  |  |  |  | | --- | --- | --- | --- | |  | 6 | 8 | 7 | | – | 2 | 8 | 0 | |  |  |  |  | | c) | |  |  |  |  | | --- | --- | --- | --- | |  | 7 | 0 | 5 | | – | 4 | 6 | 3 | |  |  |  |  | | |  |
| 4 | Subtraktion mit unterschiedlicher Stellenanzahl Schreibe untereinander und rechne aus. | |
|  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | a) | 847 – 63   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  | | b) | 1850 – 141   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  | |  | | |

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| B | Ich kann schriftlich subtrahieren und das Rechenverfahren erklären | | | |
| 1 | Subtraktion ohne ‚Übertrag‘ | | | |
| 1.1 | Rechenwege vergleichen | | | |
|  | a) | Kenan und Tim rechnen die Aufgabe **683 – 251**. Beschreibt ihre Rechenwege.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Kenan rechnet stellenweise:   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 683 | – | 251 | = | 432 | | 3 | – | 1 | = | 2 | | 80 | – | 50 | = | 30 | | 600 | – | 200 | = | 400 |   Kenan |  | Tim rechnet untereinander:  Tim   |  |  |  | | --- | --- | --- | | **H** | **Z** | **E** | | 6 | 8 | 3 | | – 2 | 5 | 1 | | 4 | 3 | 2 | | | | |
|  | b) | Markiert die Einer in Gelb, die Zehner in Rot und die Hunderter in Grün.  Was fällt euch auf? Was ist gleich? Was ist verschieden? | | |
| 1.2 | Rechenwege ausprobieren | | | |
|  | Rechne die Aufgabe **865 – 432** so wie Kenan und so wie Tim.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Kenan rechnet so:   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 865 | – | 432 | = |  | |  | – |  | = |  | |  | – |  | = |  | |  | – |  | = |  | | Tim rechnet so:   |  |  |  | | --- | --- | --- | | **H** | **Z** | **E** | |  |  |  | |  |  |  | |  |  |  | |  | | | | |
| 1.3 | Untereinander schriftlich rechnen | | | |
|  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | a) | |  |  |  |  | | --- | --- | --- | --- | |  | **H** | **Z** | **E** | |  | 6 | 4 | 2 | | – | 3 | 2 | 1 | |  |  |  |  | | b) | |  |  |  |  | | --- | --- | --- | --- | |  | **H** | **Z** | **E** | |  | 5 | 8 | 3 | | – | 4 | 4 | 2 | |  |  |  |  | | c) | |  |  |  |  | | --- | --- | --- | --- | |  | **H** | **Z** | **E** | |  | 7 | 5 | 9 | | – | 1 | 4 | 6 | |  |  |  |  | | d) | |  |  |  |  | | --- | --- | --- | --- | |  | **H** | **Z** | **E** | |  | 9 | 6 | 5 | | – | 6 | 3 | 2 | |  |  |  |  | | | | | |
| 1.4 | Rechnen mit Ziffernkarten | | | |
|  | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 | 5 | 6 |   Nimm die Ziffernkarten. | | | |
|  | a) | Lege mit den Ziffernkarten immer eine dreistellige  Zahl und subtrahiere sie von 789.  Schreibe die Rechnungen in dein Heft. | |  |  |  | | --- | --- | --- | | 2 | 6 | 4 |   Beispiel: | Rechnung:   |  |  |  |  | | --- | --- | --- | --- | |  | 7 | 8 | 9 | | – | 2 | 6 | 4 | |  | 5 | 3 | 4 | |
|  | b) | Lege die Aufgabe 789 – 264 mit Ziffernkarten. Vertausche immer zwei Ziffernkarten. Überlege zuerst, ob das Ergebnis kleiner oder größer wird.  Rechne dann aus und überprüfe. | |
|  | c) | Findet die Aufgabe mit dem kleinsten Ergebnis. Wie geht ihr vor?  Findet die Aufgabe mit dem größten Ergebnis. Wie geht ihr vor? | |
| 2 Sarah | Subtraktion mit ‚Übertrag‘ | | | |
| 2.1 | Rechnungen erklären mit Entbündeln oder Erweitern | | | |
|  | a) | Sarah und Emily rechnen die Aufgabe **515 – 324**.  Wie rechnest du? Kreuze an.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Sarah rechnet so:   |  |  |  | | --- | --- | --- | | 4    5 | 10  1 | 5 | | – 3 | 2 | 4 | | 1 | 9 | 1 |   □ Ich rechne wie Sarah. |  | Emily rechnet so:   |  |  |  | | --- | --- | --- | | 5 | 10   1 | 5 | | – 3  1 | 2 | 4 | | 1 | 9 | 1 |   □ Ich rechne wie Emily. | | | |
|  | b) | Legt die Aufgabe mit Würfelmaterial nach und erklärt euch gegenseitig eure Rechenwege.  Die Tipps können helfen.   |  |  |  | | --- | --- | --- | | Ich entbündele einen Hunderter, damit ich die zwei Zehner abziehen kann.  Sarah | Ich erweitere um zehn Zehner, dafür nehme einen weiteren Hunderter weg. | Emily | | | |
|  |  |  | | |
|  | c)  … weil ich die zehn Zehner, die ich dazu tue,  wieder abziehe.  □  □ | Bei schriftlichen Rechnungen verändert man die Ziffern.  Warum bekommt man dabei das gleiche Ergebnis?  Kreuzt die richtigen Antworten an. Erklärt dann in eigenen Worten.  Tara  … weil der Unterschied zwischen beiden Zahlen gleich bleibt.  Rico  □  … weil man die Ziffern  so verändern darf,  wie man will.   |  |  |  | | --- | --- | --- | | Leonie |  | … weil zehn Zehner ein Hunderter sind.  Tim | |  |  | □ | | | |
| 2.2 | ‚Übertrag‘ üben | | | |
|  | Rechne aus.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | a) | |  |  |  |  | | --- | --- | --- | --- | |  | **H** | **Z** | **E** | |  | 6 | 2 | 5 | | – | 3 | 8 | 1 | |  |  |  |  | | b) | |  |  |  |  | | --- | --- | --- | --- | |  | **H** | **Z** | **E** | |  | 7 | 5 | 8 | | – | 2 | 9 | 3 | |  |  |  |  | | c) | |  |  |  |  | | --- | --- | --- | --- | |  | **H** | **Z** | **E** | |  | 9 | 5 | 4 | | – | 3 | 2 | 6 | |  |  |  |  | | d) | |  |  |  |  | | --- | --- | --- | --- | |  | **H** | **Z** | **E** | |  | 5 | 6 | 3 | | – | 2 | 6 | 7 | |  |  |  |  | | | | | |

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| --- | --- | --- | --- |
| 2.3 | Rechnungen mit ‚Überträgen‘ erklären | | |
|  | Sarah und Emily rechnen die Aufgabe **634 – 259**.  Wie rechnet ihr? Kreuzt an und beschreibt ihre Rechnungen.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Sarah rechnet so:  Sarah  Ich entbündele.   |  |  |  | | --- | --- | --- | | 5   6 | 10   2  3 | 10  4 | | –2 | 5 | 9 | | 3 | 7 | 5 |   □ Ich rechne wie Sarah. |  | Emily rechnet so:  Ich erweitere.  Emily   |  |  |  | | --- | --- | --- | | 6 | 10   3 | 10   4 | | –2  1 | 5  1 | 9 | | 3 | 7 | 5 |   □ Ich rechne wie Emily. | | | |
| 2.4 | ‚Überträge‘ üben Rechnet die Aufgaben wie Sarah oder wie Emily. Erklärt, wie ihr rechnet. | | |
|  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | a) | |  |  |  |  | | --- | --- | --- | --- | |  | **H** | **Z** | **E** | |  |  | 8 | 4 | | – |  | 5 | 9 | |  |  |  |  |  b) | | |  |  |  |  | | --- | --- | --- | --- | |  | **H** | **Z** | **E** | |  | 9 | 2 | 4 | | – | 6 | 5 | 9 | |  |  |  |  | | c) | |  |  |  |  | | --- | --- | --- | --- | |  | **H** | **Z** | **E** | |  | 6 | 3 | 2 | | – | 1 | 9 | 6 | |  |  |  |  | | d) | |  |  |  |  | | --- | --- | --- | --- | |  | **H** | **Z** | **E** | |  | 8 | 7 | 1 | | – | 3 | 7 | 3 | |  |  |  |  | | | e) | |  |  |  |  | | --- | --- | --- | --- | |  | 7 | 1 | 2 | | – | 4 | 2 | 3 | |  |  |  |  | | f) | |  |  |  |  | | --- | --- | --- | --- | |  | 5 | 1 | 1 | | – | 4 | 5 | 9 | |  |  |  |  | | g) | |  |  |  |  | | --- | --- | --- | --- | |  | 8 | 6 | 8 | | – | 2 | 7 | 9 | |  |  |  |  | | h) | |  |  |  |  | | --- | --- | --- | --- | |  | 9 | 2 | 4 | | – | 3 | 2 | 7 | |  |  |  |  | | | | |
|  |  | | |
| 2.5 | Rechnen mit Ziffernkarten | | |
|  | |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |   Nimm die Ziffernkarten.  Lege mit den Ziffernkarten immer zwei dreistellige Zahlen  und subtrahiere die kleinere von der größeren Zahl. | | |
|  | a) | Findet Aufgaben, bei denen das Ergebnis möglichst nah an 399 liegt.  Schreibt die Rechnungen ins Heft. Wie geht ihr vor? | Beispiel:   |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | | – |  |  |  | |  | 3 | 9 | 9 | |
|  | b) | Findet Aufgaben, bei denen das Ergebnis möglichst nah an 100 liegt.  Schreibt die Rechnungen ins Heft. Wie geht ihr vor? |
|  | c) | Suche dir weitere Ergebniszahlen aus und versuche, passende Aufgaben zu finden. Schreibe die Aufgaben ins Heft. |

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| 3 | Subtraktion mit Nullen | | |
| 3.1 | Rechnungen erklären | | |
|  | a) | Sarah und Emily rechnen die Aufgabe **608 – 318**.  Wie rechnet ihr? Kreuzt an und beschreibt euren Rechenweg.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Sarah rechnet so:  Sarah   |  |  |  | | --- | --- | --- | | 5   6 | 10  0 | 8 | | –3 | 1 | 8 | | 2 | 9 | 0 |   □ Ich rechne wie Sarah. |  | Emily rechnet so:  Emily   |  |  |  | | --- | --- | --- | | 6 | 10   0 | 8 | | – 3  1 | 1 | 8 | | 2 | 9 | 0 |   □ Ich rechne wie Emily. | | |
|  | b) | Kenan rechnet die Aufgabe 407 – 235.  Welchen Fehler macht Kenan? Warum ist das falsch?   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | |  | 4 | 0 | 7 | | – | 2 | 3 | 5 | |  | 2 | 0 | 2 | | Kenan |  | | |
| 3.2 | Schriftlich untereinander rechnen | | |
|  | Rechne aus.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | a) | |  |  |  |  | | --- | --- | --- | --- | |  | 9 | 3 | 4 | | – | 4 | 0 | 2 | |  |  |  |  | | b) | |  |  |  |  | | --- | --- | --- | --- | |  | 9 | 0 | 4 | | – | 4 | 3 | 2 | |  |  |  |  | | c) | |  |  |  |  | | --- | --- | --- | --- | |  | 5 | 0 | 3 | | – | 3 | 0 | 4 | |  |  |  |  | | d) | |  |  |  |  | | --- | --- | --- | --- | |  | 5 | 0 | 4 | | – | 3 | 0 | 3 | |  |  |  |  | |   Schreibe die fehlenden Ziffern in die grauen Kästchen.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | e) | |  |  |  |  | | --- | --- | --- | --- | |  | 8 |  | 3 | | – | 2 | 0 | 3 | |  |  | 2 |  | | f) | |  |  |  |  | | --- | --- | --- | --- | |  | 3 |  | 5 | | – | 1 |  | 2 | |  | 2 | 0 |  | | g) | |  |  |  |  | | --- | --- | --- | --- | |  | 7 | 0 | 6 | | – | 5 |  | 0 | |  |  | 6 |  | | h) | |  |  |  |  | | --- | --- | --- | --- | |  | 6 | 0 |  | | – | 2 | 4 | 5 | |  | 3 |  | 5 | | | | |
| 3.3 | Rechnen mit Ziffernkarten | | |
|  | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 0 | 1 | 2 | 3 | 4 | 5 |   Nimm die Ziffernkarten. | | Beispiel:   |  |  |  | | --- | --- | --- | | 4 | 2 | 0 | | 3 | 1 | 5 |   Rechnung:   |  |  |  |  | | --- | --- | --- | --- | |  | 4 | 2 | 0 | | – | 3 | 1 | 5 | |  | 1 | 0 | 5 | |
|  | a) | Lege mit den Ziffernkarten immer zwei dreistellige Zahlen und subtrahiere die kleinere von der größeren Zahl.  Schreibe die Rechnungen ins Heft. |
|  | b) | Findet die Aufgabe mit dem kleinsten Ergebnis. Wie geht ihr vor?  Findet die Aufgabe mit dem größten Ergebnis. Wie geht ihr vor? |
| 4 | Subtraktion mit unterschiedlicher Stellenanzahl | | |
| 4.1 | Fehler erklären | | |
|  | Jonas rechnet die Aufgabe **1835 – 671**. Dabei macht er einen Fehler.  Welchen Fehler macht Jonas? Worauf sollte er achten?   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | 1 | 8 | 3 | 5 | | – | 6 | 7 | 1 |  | |  | 5 | 1 | 2 | 5 | | Jonas |  | | | |
| 4.2 | Richtig untereinander rechnen | | |
|  | Schreibe untereinander und rechne aus.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | a) | 857 – 83   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | | b) | 142 – 63   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | | c) | 1869 – 540   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | | c) | 1400 – 56   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4.3 | Rechnen mit Ziffernkarten  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |
|  | Nimm die Ziffernkarten. Du darfst sie auch mehrmals verwenden.  Erfinde Subtraktions-Aufgaben. Alle grauen Kästchen müssen belegt werden.  Lege zuerst mit Ziffernkarten. Schreibe dann auf und rechne aus.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | a) | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | **T** | **H** | **Z** | **E** | |  |  |  |  |  | | – |  |  |  |  | |  |  |  |  |  | |  | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | **T** | **H** | **Z** | **E** | |  |  |  |  |  | | – |  |  |  |  | |  |  |  |  |  | |  | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | **T** | **H** | **Z** | **E** | |  |  |  |  |  | | – |  |  |  |  | |  |  |  |  |  | |  | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | **T** | **H** | **Z** | **E** | |  |  |  |  |  | | – |  |  |  |  | |  |  |  |  |  | | | b) | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | **T** | **H** | **Z** | **E** | |  |  |  |  |  | | – |  |  |  |  | |  |  |  |  |  | |  | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | **T** | **H** | **Z** | **E** | |  |  |  |  |  | | – |  |  |  |  | |  |  |  |  |  | |  | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | **T** | **H** | **Z** | **E** | |  |  |  |  |  | | – |  |  |  |  | |  |  |  |  |  | |  | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | **T** | **H** | **Z** | **E** | |  |  |  |  |  | | – |  |  |  |  | |  |  |  |  |  | | |
|  | |  |  |  |  | | --- | --- | --- | --- | | c) | Finde das größte Ergebnis. Probiere mit den Ziffernkarten. Begründe. | | | | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | **T** | **H** | **Z** | **E** | |  |  |  |  |  | | – |  |  |  |  | |  |  |  |  |  | |  |  | |