

## Übersicht über die zusätzlichen Rechenverfahren zur Addition und Subtraktion im 2. Schuljahr

Rechenverfahren				Seite
Schrittweises Rechnen	Erst Zehner dazu (weg), dann Einer dazu (weg)			Im Heft
	Erst Einer dazu (weg), dann Zehner dazu (weg)	Plus		2
		Minus		3
	Erst zum Zehner	Plus	ausführlich	4
			verkürzt	5
		Minus	ausführlich	6
			verkürzt	7
Stellenweises Rechnen	Zehner plus (minus) Zehner, Einer plus (minus) Einer	Plus	ausführlich	8
			verkürzt	9
		Minus	ausführlich	10
			verkürzt	11
	Einer plus (minus) Einer, Zehner plus (minus) Zehner	Plus	ausführlich	12
			verkürzt	13
		Minus	ausführlich	14
			verkürzt	15

Im 2. Schuljahr haben viele Kinder Schwierigkeiten mit der zehnerüberschreitenden Addition und vor allem mit der zehnerunterschreitenden Subtraktion. Diese Lerninhalte bilden daher einen besonderen Schwerpunkt des Arbeitshefts. Zu ihrer Vermittlung existieren unterschiedliche didaktische Ansätze.

Im Rahmen konstruktivistischer Modelle sollen Kinder unterschiedliche Lösungswege suchen, finden, verstehen und vergleichen. Die Praxis zeigt allerdings, dass nicht wenige Kinder damit überfordert sind. Andere Modelle favorisieren die Vorgabe und Automatisierung eines gemeinsamen Rechenverfahrens für alle Kinder. Im Zahlenfuchs 2 wird das nachweislich am wenigsten fehleranfällige Verfahren „Erst Zehner dazu, dann Ei-

ner dazu“ bzw. „Erst Zehner weg, dann Einer weg“ ausführlich als Normalverfahren eingeführt und geübt. Die hier verfügbaren Übungsseiten thematisieren alternative Rechenverfahren zur Addition und Subtraktion im Hunderterraum. Diese können Sie Kindern gezielt für eine vertiefende Auseinandersetzung mit der Addition und der Subtraktion anbieten. So können Sie die Vorzüge beider oben beschriebenen didaktischen Ansätze verbinden.

Anmerkung: Neben den hier aufgeführten Rechenverfahren thematisiert der Zahlenfuchs weitere Rechenstrategien (wie etwa „Aufgaben mit 8 und 9 Einern“), bei denen operative Zusammenhänge genutzt werden.

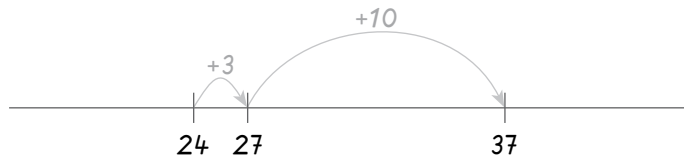
# Erst Einer dazu, dann Zehner dazu

Name:

Klasse:

Datum:

Rechne in zwei Schritten.



$$24 + 13 = 37$$

erst  $24 + 3 = 27$

dann  $27 + 10 = 37$

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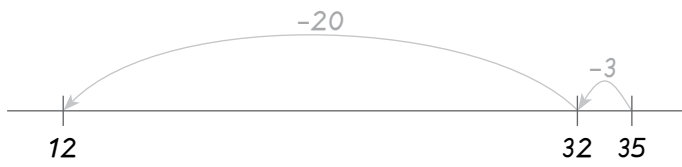
# Erst Einer weg, dann Zehner weg

Name:

Klasse:

Datum:

Rechne in zwei Schritten.



$$35 - 23 = 12$$

erst  $35 - 3 = 32$

dann  $32 - 20 = 12$

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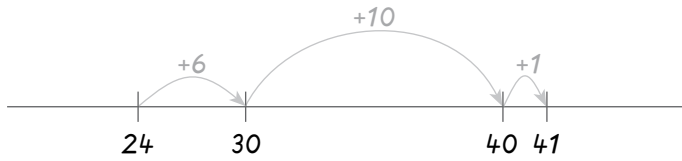
# Erst zum Zehner

Name:

Klasse:

Datum:

Rechne in drei Schritten.



$$24 + 17 = 41$$

erst  $24 + 6 = 30$   
 dann  $30 + 10 = 40$   
 danach  $40 + 1 = 41$

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# Erst zum Zehner / Verkürzte Schreibweise

Name:

Klasse:

Datum:

Rechnung	Verkürzte Schreibweise
$24 + 17 = \square$	$24 + 17 = \square$
$24 + 6 = 30$	$\begin{array}{ c c } \hline 6 & 40 \\ \hline \end{array}$
$30 + 10 = 40$	
$40 + 1 = \square$	

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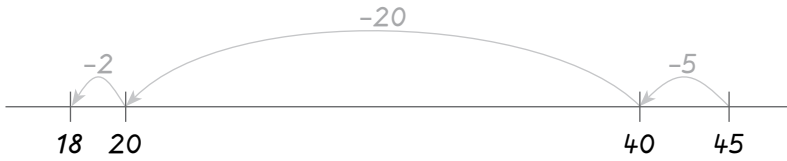
# Erst zum Zehner

Name:

Klasse:

Datum:

Rechne in drei Schritten.



$$45 - 27 = 18$$

erst  $45 - 5 = 40$

dann  $40 - 20 = 20$

danach  $20 - 2 = 18$

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# Erst zum Zehner / Verkürzte Schreibweise

Name:

Klasse:

Datum:

Rechnung	Verkürzte Schreibweise
$45 - 27 = \square$	$45 - 27 = \square$
$45 - 5 = 40$	$40 \quad 20$
$40 - 20 = 20$	
$20 - 2 = \square$	

$\square - \square = \square$	$\square - \square = \square$	$\square - \square = \square$	$\square - \square = \square$
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# Zehner plus Zehner, Einer plus Einer

Name:

Klasse:

Datum:

	$24 + 13 = 37$	
Zehner plus Zehner	$20 + 10 = 30$	
Einer plus Einer	$4 + 3 = 7$	
zusammen	$30 + 7 = 37$	

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# Zehner plus Zehner, Einer plus Einer / Verkürzte Schreibweise

Name:

Klasse:

Datum:

Rechnung	Verkürzte Schreibweise
$\begin{array}{r} 53 + 14 = \square \\ \hline 50 + 10 = 60 \\ 3 + 4 = 7 \\ \hline 60 + 7 = \square \end{array}$	$\begin{array}{r} 53 + 14 = \square \\ \hline 60 \quad 7 \end{array}$

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# Zehner minus Zehner, Einer minus Einer

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Klasse:

Datum:

	$35 - 23 = 12$
Zehner minus Zehner	$30 - 20 = 10$
Einer minus Einer	$5 - 3 = 2$
zusammen	$12$

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# Zehner minus Zehner, Einer minus Einer / Verkürzte Schreibweise

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Klasse:

Datum:

Rechnung	Verkürzte Schreibweise
$56 - 21 = \square$ <hr style="width: 100%;"/> $50 - 20 = 30$ $6 - 1 = 5$ <hr style="width: 100%;"/>	$56 - 21 = \square$ <hr style="width: 100%;"/> <span style="font-size: 2em; vertical-align: middle;">}</span>
$50 - 20 = 30$	$30$
$6 - 1 = 5$	$5$

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# Einer plus Einer, Zehner plus Zehner

Name:

Klasse:

Datum:

	$24 + 13 = 37$
Einer plus Einer	$4 + 3 = 7$
Zehner plus Zehner	$20 + 10 = 30$
zusammen	$7 + 30 = 37$

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# Einer plus Einer, Zehner plus Zehner / Verkürzte Schreibweise

Name:

Klasse:

Datum:

Rechnung	Verkürzte Schreibweise
$53 + 14 = \square$	$53 + 14 = \square$
$3 + 4 = 7$	$7 \quad 60$
$50 + 10 = 60$	
$7 + 60 = \square$	

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# Einer minus Einer, Zehner minus Zehner

Name:

Klasse:

Datum:

	$35 - 23 = 12$
Einer minus Einer	$5 - 3 = 2$
Zehner minus Zehner	$30 - 20 = 10$
zusammen	$12$

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# Einer minus Einer, Zehner minus Zehner / Verkürzte Schreibweise

Name:

Klasse:

Datum:

Rechnung	Verkürzte Schreibweise
$\begin{array}{r} 56 - 21 = \square \\ \hline 6 - 1 = \square \\ 50 - 20 = \square \\ \hline \square \end{array}$	$\begin{array}{r} 56 - 21 = \square \\ \hline \square \quad \square \end{array}$

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