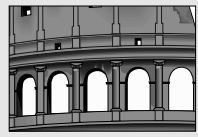


# 1. Sčítání a odčítání v oboru do 100

M 3/1, str. 3–17

1



## 1 Vyřešíš tajenku?

$40 + 40 = 80$

V
---

$100 - 80 = 20$

T
---

$80 - 10 = 70$

Í
---

$20 + 30 = 50$

Ř
---

$10 + 10 = 20$

T
---

$90 - 50 = 40$

E
---

$40 + 50 = 90$

Á
---

$50 - 30 = 20$

T
---

$70 - 60 = 10$

M
---

$30 + 40 = 70$

Í
---

$20 + 20 = 40$

E
---

$80 - 60 = 20$

T
---

$40 - 20 = 20$

T
---

$100 - 50 = 50$

Ř
---

$30 + 30 = 60$

Ě
---

$90 - 20 = 70$

Í
---

$90 - 10 = 80$

V
---

$30 + 0 = 30$

D
---

$50 - 10 = 40$

E
---

$80 - 20 = 60$

Ě
---

10	M
20	T
30	D
40	E
50	Ř
60	Ě
70	Í
80	V
90	Á

## 2 Rozlož daná čísla na desítky a jednotky. Potom daná čísla porovnej.

$42 > 37$	$51 > 41$	$18 < 81$	$14 < 16$
$\begin{array}{r} 40 \\ \text{---} \\ 40 \end{array} \begin{array}{r} 2 \\ \text{---} \\ 2 \end{array}$	$\begin{array}{r} 50 \\ \text{---} \\ 40 \end{array} \begin{array}{r} 1 \\ \text{---} \\ 1 \end{array}$	$\begin{array}{r} 10 \\ \text{---} \\ 10 \end{array} \begin{array}{r} 8 \\ \text{---} \\ 8 \end{array}$	$\begin{array}{r} 10 \\ \text{---} \\ 10 \end{array} \begin{array}{r} 4 \\ \text{---} \\ 4 \end{array}$

$76 > 67$	$65 > 56$	$98 > 89$	$25 < 52$
$\begin{array}{r} 70 \\ \text{---} \\ 70 \end{array} \begin{array}{r} 6 \\ \text{---} \\ 6 \end{array}$	$\begin{array}{r} 60 \\ \text{---} \\ 50 \end{array} \begin{array}{r} 5 \\ \text{---} \\ 6 \end{array}$	$\begin{array}{r} 90 \\ \text{---} \\ 80 \end{array} \begin{array}{r} 8 \\ \text{---} \\ 9 \end{array}$	$\begin{array}{r} 20 \\ \text{---} \\ 20 \end{array} \begin{array}{r} 5 \\ \text{---} \\ 5 \end{array}$

$80 > 60$	$71 > 17$	$10 < 100$	$88 > 66$
$\begin{array}{r} 80 \\ \text{---} \\ 80 \end{array} \begin{array}{r} 0 \\ \text{---} \\ 0 \end{array}$	$\begin{array}{r} 70 \\ \text{---} \\ 10 \end{array} \begin{array}{r} 1 \\ \text{---} \\ 7 \end{array}$	$\begin{array}{r} 10 \\ \text{---} \\ 10 \end{array} \begin{array}{r} 0 \\ \text{---} \\ 0 \end{array}$	$\begin{array}{r} 80 \\ \text{---} \\ 80 \end{array} \begin{array}{r} 8 \\ \text{---} \\ 6 \end{array}$

$19 < 91$	$30 < 90$	$53 < 86$	$45 < 54$
$\begin{array}{r} 10 \\ \text{---} \\ 10 \end{array} \begin{array}{r} 9 \\ \text{---} \\ 9 \end{array}$	$\begin{array}{r} 30 \\ \text{---} \\ 30 \end{array} \begin{array}{r} 0 \\ \text{---} \\ 0 \end{array}$	$\begin{array}{r} 50 \\ \text{---} \\ 50 \end{array} \begin{array}{r} 3 \\ \text{---} \\ 3 \end{array}$	$\begin{array}{r} 40 \\ \text{---} \\ 40 \end{array} \begin{array}{r} 5 \\ \text{---} \\ 5 \end{array}$

$26 < 28$	$23 < 32$	$24 = 24$	$73 > 72$
$\begin{array}{r} 20 \\ \text{---} \\ 20 \end{array} \begin{array}{r} 6 \\ \text{---} \\ 6 \end{array}$	$\begin{array}{r} 20 \\ \text{---} \\ 20 \end{array} \begin{array}{r} 3 \\ \text{---} \\ 3 \end{array}$	$\begin{array}{r} 20 \\ \text{---} \\ 20 \end{array} \begin{array}{r} 4 \\ \text{---} \\ 4 \end{array}$	$\begin{array}{r} 70 \\ \text{---} \\ 70 \end{array} \begin{array}{r} 3 \\ \text{---} \\ 3 \end{array}$

**3** Vypočítej.

<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>
$15 + 3 = \underline{18}$	$19 - 8 = \underline{11}$	$7 + 4 + 6 = \underline{17}$	$9 + 6 + 1 = \underline{16}$
$9 + 8 = \underline{17}$	$14 - 9 = \underline{5}$	$16 - 8 + 5 = \underline{13}$	$6 + 9 - 15 = \underline{0}$
$6 + 8 = \underline{14}$	$12 + 5 = \underline{17}$	$8 + 6 - 9 = \underline{5}$	$9 + 3 - 7 = \underline{5}$
$17 - 2 = \underline{15}$	$11 - 7 = \underline{4}$	$20 - 8 - 5 = \underline{7}$	$7 + 9 - 8 = \underline{8}$
$10 + 6 = \underline{16}$	$17 - 9 = \underline{8}$	$6 + 9 - 10 = \underline{5}$	$18 + 2 - 6 = \underline{14}$
$20 - 8 = \underline{12}$	$16 - 8 = \underline{8}$	$4 + 7 - 2 = \underline{9}$	$19 - 5 - 7 = \underline{7}$
$8 + 3 = \underline{11}$	$7 + 7 = \underline{14}$	$12 + 5 - 0 = \underline{17}$	$20 - 4 + 4 = \underline{20}$
$17 + 3 = \underline{20}$	$16 - 9 = \underline{7}$	$9 + 2 + 6 = \underline{17}$	$12 + 6 - 9 = \underline{9}$
$15 + 4 = \underline{19}$	$15 - 7 = \underline{8}$	$17 + 3 - 10 = \underline{10}$	$18 - 9 + 2 = \underline{11}$
$16 - 4 = \underline{12}$	$12 - 6 = \underline{6}$	$14 - 8 + 5 = \underline{11}$	$17 - 7 + 3 = \underline{13}$

**4** Doplně znaménka  $\oplus$   $\ominus$ .

<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>
$13 \ominus 6 = 7$	$9 \oplus 8 = 17$	$9 \oplus 3 \oplus 1 = 13$	$12 \ominus 4 \oplus 3 = 11$
$3 \oplus 7 = 10$	$16 \ominus 7 = 9$	$8 \oplus 4 \oplus 4 = 16$	$5 \oplus 7 \ominus 3 = 9$
$4 \oplus 4 = 8$	$14 \oplus 6 = 20$	$16 \ominus 6 \ominus 2 = 8$	$18 \ominus 9 \ominus 9 = 0$
$16 \ominus 1 = 15$	$14 \ominus 6 = 8$	$20 \ominus 5 \ominus 4 = 11$	$7 \oplus 6 \ominus 4 = 9$
$4 \oplus 15 = 19$	$11 \ominus 3 = 8$	$9 \oplus 1 \oplus 8 = 18$	$12 \oplus 4 \ominus 9 = 7$
$2 \oplus 7 = 9$	$3 \oplus 8 = 11$	$12 \oplus 5 \oplus 2 = 19$	$4 \oplus 2 \oplus 6 = 12$
$6 \ominus 6 = 0$	$12 \ominus 4 = 8$	$10 \oplus 4 \ominus 8 = 6$	$20 \ominus 7 \ominus 8 = 5$
$17 \ominus 5 = 12$	$7 \oplus 5 = 12$	$6 \ominus 6 \oplus 6 = 6$	$13 \ominus 4 \oplus 8 = 17$
$9 \ominus 6 = 3$	$13 \ominus 6 = 7$	$6 \oplus 6 \oplus 6 = 18$	$5 \oplus 6 \oplus 7 = 18$
$19 \ominus 16 = 3$	$15 \oplus 5 = 20$	$20 \ominus 7 \oplus 6 = 19$	$14 \ominus 5 \ominus 5 = 4$

**5** Vypočítej.

<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>
$20 + 7 = 27$	$26 + 9 = 35$	$37 + 6 = 43$	$22 + 4 = 26$
$36 - 6 = 30$	$90 - 6 = 84$	$52 - 5 = 47$	$43 - 0 = 43$
$37 + 2 = 39$	$39 + 8 = 47$	$59 + 5 = 64$	$39 + 10 = 49$
$45 - 3 = 42$	$36 - 9 = 27$	$75 - 5 = 70$	$98 - 1 = 97$
$51 + 9 = 60$	$7 + 25 = 32$	$63 + 9 = 72$	$96 - 8 = 88$
$28 - 7 = 21$	$79 - 3 = 76$	$81 - 9 = 72$	$2 + 89 = 91$
$96 + 4 = 100$	$9 + 19 = 28$	$48 + 6 = 54$	$66 + 9 = 75$
$88 - 5 = 83$	$45 - 6 = 39$	$35 - 6 = 29$	$48 - 4 = 44$
$43 + 6 = 49$	$8 + 72 = 80$	$35 + 6 = 41$	$54 + 7 = 61$
$99 - 9 = 90$	$28 - 9 = 19$	$45 - 8 = 37$	$49 - 7 = 42$

**6** Dopln chybějící čísla.

<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>
$35 - 6 = 29$	$88 - 6 = 82$	$50 + 30 = 80$	$0 + 50 = 50$
$16 + 7 = 23$	$80 - 10 = 70$	$35 - 9 = 26$	$40 - 30 = 10$
$12 + 9 = 21$	$61 + 2 = 63$	$50 - 10 = 40$	$15 + 8 = 23$
$35 - 9 = 26$	$10 + 30 = 40$	$16 + 8 = 24$	$40 - 20 = 20$
$15 + 0 = 15$	$68 + 9 = 77$	$20 + 80 = 100$	$90 - 9 = 81$
$100 - 5 = 95$	$70 - 60 = 10$	$82 - 8 = 74$	$30 + 40 = 70$
$77 + 5 = 82$	$62 - 4 = 58$	$70 - 40 = 30$	$3 + 78 = 81$
$46 + 7 = 53$	$43 + 40 = 83$	$92 - 5 = 87$	$100 - 30 = 70$
$30 + 20 = 50$	$56 + 6 = 62$	$10 + 50 = 60$	$69 + 9 = 78$
$29 - 4 = 25$	$80 + 10 = 90$	$14 + 7 = 21$	$21 + 20 = 41$

**7** Vypočítej.**a**

$2 \cdot 8 = \underline{16}$

$9 \cdot 5 = \underline{45}$

$2 \cdot 4 = \underline{8}$

$9 \cdot 4 = \underline{36}$

$6 \cdot 5 = \underline{30}$

$8 \cdot 3 = \underline{24}$

$3 \cdot 3 = \underline{9}$

$8 \cdot 5 = \underline{40}$

$2 \cdot 1 = \underline{2}$

$4 \cdot 7 = \underline{28}$

**b**

$4 \cdot 4 = \underline{16}$

$10 \cdot 5 = \underline{50}$

$2 \cdot 9 = \underline{18}$

$5 \cdot 1 = \underline{5}$

$9 \cdot 3 = \underline{27}$

$3 \cdot 7 = \underline{21}$

$2 \cdot 0 = \underline{0}$

$7 \cdot 5 = \underline{35}$

$4 \cdot 8 = \underline{32}$

$4 \cdot 3 = \underline{12}$

**c**

$2 \cdot 2 = \underline{4}$

$4 \cdot 9 = \underline{36}$

$5 \cdot 3 = \underline{15}$

$4 \cdot 5 = \underline{20}$

$10 \cdot 3 = \underline{30}$

$4 \cdot 0 = \underline{0}$

$2 \cdot 5 = \underline{10}$

$6 \cdot 4 = \underline{24}$

$6 \cdot 5 = \underline{30}$

$2 \cdot 7 = \underline{14}$

**d**

$2 \cdot 6 = \underline{12}$

$4 \cdot 10 = \underline{40}$

$3 \cdot 1 = \underline{3}$

$2 \cdot 10 = \underline{20}$

$7 \cdot 4 = \underline{28}$

$6 \cdot 3 = \underline{18}$

$4 \cdot 6 = \underline{24}$

$0 \cdot 3 = \underline{0}$

$5 \cdot 5 = \underline{25}$

$7 \cdot 3 = \underline{21}$

**8** Vypočítej.**a**

$8 : 2 = \underline{4}$

$12 : 3 = \underline{4}$

$10 : 2 = \underline{5}$

$4 : 4 = \underline{1}$

$30 : 5 = \underline{6}$

$24 : 3 = \underline{8}$

$15 : 5 = \underline{3}$

$9 : 3 = \underline{3}$

$40 : 4 = \underline{10}$

$18 : 2 = \underline{9}$

**b**

$20 : 4 = \underline{5}$

$6 : 2 = \underline{3}$

$25 : 5 = \underline{5}$

$36 : 4 = \underline{9}$

$10 : 5 = \underline{2}$

$21 : 3 = \underline{7}$

$50 : 5 = \underline{10}$

$12 : 2 = \underline{6}$

$16 : 4 = \underline{4}$

$6 : 3 = \underline{2}$

**c**

$4 : 2 = \underline{2}$

$24 : 4 = \underline{6}$

$40 : 5 = \underline{8}$

$32 : 4 = \underline{8}$

$18 : 3 = \underline{6}$

$5 : 5 = \underline{1}$

$14 : 2 = \underline{7}$

$12 : 4 = \underline{3}$

$30 : 3 = \underline{10}$

$3 : 3 = \underline{1}$

**d**

$15 : 3 = \underline{5}$

$0 : 2 = \underline{0}$

$20 : 5 = \underline{4}$

$28 : 4 = \underline{7}$

$45 : 5 = \underline{9}$

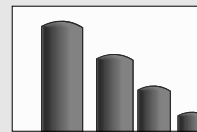
$20 : 2 = \underline{10}$

$35 : 5 = \underline{7}$

$27 : 3 = \underline{9}$

$8 : 4 = \underline{2}$

$16 : 2 = \underline{8}$



### 9 Dopln̄ znaménka $\odot$ .

<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>
$12 \odot 2 = 6$	$3 \odot 5 = 15$	$10 \odot 3 = 30$	$18 \odot 2 = 9$
$4 \odot 7 = 28$	$4 \odot 1 = 4$	$4 \odot 2 = 2$	$45 \odot 5 = 9$
$4 \odot 4 = 16$	$24 \odot 4 = 6$	$9 \odot 4 = 36$	$10 \odot 5 = 50$
$27 \odot 3 = 9$	$21 \odot 3 = 7$	$16 \odot 4 = 4$	$15 \odot 3 = 5$
$2 \odot 4 = 8$	$5 \odot 3 = 15$	$5 \odot 5 = 1$	$4 \odot 6 = 24$
$2 \odot 2 = 4$	$8 \odot 4 = 2$	$2 \odot 9 = 18$	$30 \odot 3 = 10$
$4 \odot 4 = 1$	$7 \odot 5 = 35$	$50 \odot 5 = 10$	$36 \odot 4 = 9$
$6 \odot 3 = 18$	$3 \odot 9 = 27$	$15 \odot 5 = 3$	$5 \odot 0 = 0$
$4 \odot 3 = 12$	$28 \odot 4 = 7$	$7 \odot 3 = 21$	$9 \odot 5 = 45$
$35 \odot 5 = 7$	$6 \odot 2 = 12$	$12 \odot 3 = 4$	$18 \odot 3 = 6$

### 10 Dopln̄ správně tabulky.

a	a:5	a+5	a-5	b	b:3	b+8	b-8	c	c:4	c-7	c+7
15	3	20	10	9	3	17	1	12	3	5	19
30	6	35	25	24	8	32	16	28	7	21	35
45	9	50	40	12	4	20	4	16	4	9	23
10	2	15	5	27	9	35	19	36	9	29	43
35	7	40	30	15	5	23	7	8	2	1	15
25	5	30	20	21	7	29	13	24	6	17	31
50	10	55	45	30	10	38	22	32	8	25	39
20	4	25	15	18	6	26	10	20	5	13	27

## 2. Násobení a dělení v oboru násobílek

6

M 3/1, str. 18–48

**11** a) Vypočítej. b) Spoj příklady se stejnými výsledky.

**a**

$$6 \cdot 3 = \underline{18} \quad 6 \cdot 2 = \underline{12}$$

$$6 \cdot 7 = \underline{42} \quad 7 \cdot 6 = \underline{42}$$

$$5 \cdot 6 = \underline{30} \quad 6 \cdot 5 = \underline{30}$$

$$6 \cdot 10 = \underline{60} \quad 9 \cdot 6 = \underline{54}$$

$$6 \cdot 4 = \underline{24} \quad 3 \cdot 6 = \underline{18}$$

$$1 \cdot 6 = \underline{6} \quad 6 \cdot 8 = \underline{48}$$

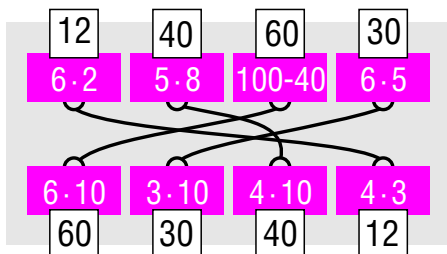
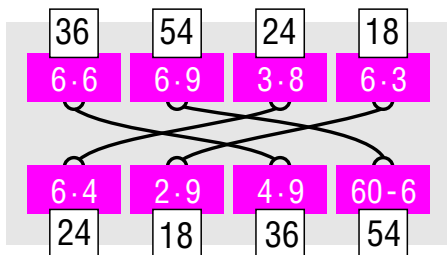
$$8 \cdot 6 = \underline{48} \quad 6 \cdot 0 = \underline{0}$$

$$6 \cdot 6 = \underline{36} \quad 6 \cdot 1 = \underline{6}$$

$$6 \cdot 9 = \underline{54} \quad 10 \cdot 6 = \underline{60}$$

$$2 \cdot 6 = \underline{12} \quad 4 \cdot 6 = \underline{24}$$

**b**



**12** a) Počítej podle vzoru. b) Doplň tabulku.

**a**

2	→	12
6	→	36
4	→	24
9	→	54
1	→	6
7	→	42
3	→	18
10	→	60
8	→	48
5	→	30

**b**

a	a·2	a·4	a·6	a·3	a·5
5	10	20	30	15	25
7	14	28	42	21	35
1	2	4	6	3	5
3	6	12	18	9	15
8	16	32	48	24	40
10	20	40	60	30	50
0	0	0	0	0	0
2	4	8	12	6	10
9	18	36	54	27	45
4	8	16	24	12	20
6	12	24	36	18	30

## 2. Násobení a dělení v oboru násobílek

M 3/1, str. 18–48

7

**13** a) Vypočítej a proved' zkoušku násobením. b) Dopln' znaménka.

**a**

$$18 : 6 = \underline{3} \quad \underline{3 \cdot 6 = 18}$$

$$30 : 6 = \underline{5} \quad \underline{5 \cdot 6 = 30}$$

$$54 : 6 = \underline{9} \quad \underline{9 \cdot 6 = 54}$$

$$12 : 6 = \underline{2} \quad \underline{2 \cdot 6 = 12}$$

$$36 : 6 = \underline{6} \quad \underline{6 \cdot 6 = 36}$$

$$48 : 6 = \underline{8} \quad \underline{8 \cdot 6 = 48}$$

$$60 : 6 = \underline{10} \quad \underline{10 \cdot 6 = 60}$$

$$42 : 6 = \underline{7} \quad \underline{7 \cdot 6 = 42}$$

$$24 : 6 = \underline{4} \quad \underline{4 \cdot 6 = 24}$$

$$6 : 6 = \underline{1} \quad \underline{1 \cdot 6 = 6}$$

**b**

$$30 \odot 6 = 5 \quad 4 \odot 6 = 24$$

$$5 \odot 6 = 30 \quad 42 \odot 6 = 7$$

$$9 \odot 6 = 54 \quad 18 \odot 6 = 3$$

$$48 \odot 6 = 8 \quad 8 \odot 6 = 48$$

$$3 \odot 6 = 18 \quad 10 \odot 6 = 60$$

$$6 \odot 6 = 36 \quad 7 \odot 6 = 42$$

$$12 \odot 6 = 2 \quad 24 \odot 6 = 4$$

$$60 \odot 6 = 10 \quad 1 \odot 6 = 6$$

$$36 \odot 6 = 6 \quad 54 \odot 6 = 9$$

$$2 \odot 6 = 12 \quad 6 \odot 6 = 1$$

**14** a) Počítej podle vzoru. b) Vypočítej řetězce.

**a**

24	→	4
42	→	7
18	→	3
60	→	10
12	→	2
36	→	6
54	→	9
6	→	1
48	→	8
30	→	5

**b**

6	48	54	6	24
×4	:6	:6	×7	:6
▼	▼	▼	▼	▼
24	8	9	42	4
:3	×5	:3	-12	×3
▼	▼	▼	▼	▼
8	40	3	30	12
:4	-20	×6	:6	:6
▼	▼	▼	▼	▼
2	20	18	5	2
×4	:4	:2	×7	×9
▼	▼	▼	▼	▼
8	5	9	35	18

**15** Doplně.

<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>
$4 \cdot \underline{3} = 12$	$3 \cdot \underline{4} = 12$	$0 : \begin{matrix} \text{libovolný} \\ \text{nenulový} \\ \text{dělitel} \end{matrix} = 0$	$8 : \underline{2} = 4$
$6 : \underline{3} = 2$	$24 : \underline{8} = 3$	$14 : \underline{2} = 7$	$12 : \underline{6} = 2$
$1 \cdot \underline{9} = 9$	$8 : \underline{2} = 4$	$15 : \underline{3} = 5$	$4 \cdot \underline{5} = 20$
$42 : \underline{7} = 6$	$3 \cdot \underline{3} = 9$	$5 \cdot \underline{3} = 15$	$16 : \underline{4} = 4$
$2 \cdot \underline{8} = 16$	$36 : \underline{6} = 6$	$14 : \underline{2} = 7$	$3 \cdot \underline{6} = 18$
$6 \cdot \underline{8} = 48$	$5 \cdot \underline{4} = 20$	$9 : \underline{3} = 3$	$1 \cdot \underline{7} = 7$
$30 : \underline{6} = 5$	$18 : \underline{3} = 6$	$6 \cdot \underline{3} = 18$	$10 : \underline{5} = 2$
$5 : \underline{5} = 1$	$6 \cdot \underline{0} = 0$	$15 : \underline{5} = 3$	$0 \cdot \begin{matrix} \text{libovolný} \\ \text{činitel} \end{matrix} = 0$
$2 \cdot \underline{7} = 14$	$16 : \underline{8} = 2$	$18 : \underline{9} = 2$	$12 : \underline{3} = 4$
$30 : \underline{5} = 6$	$4 \cdot \underline{4} = 16$	$5 \cdot \underline{2} = 10$	$4 \cdot \underline{2} = 8$

**16** Počítej a zapisuj podle vzoru.

<b>a</b>	<b>b</b>
$24 = \underline{2} \cdot 10 + \underline{4} \cdot 1$	$37 = \underline{3} \cdot 10 + \underline{7} \cdot 1$
$93 = \underline{9} \cdot 10 + \underline{3} \cdot 1$	$59 = \underline{5} \cdot 10 + \underline{9} \cdot 1$
$88 = \underline{8} \cdot 10 + \underline{8} \cdot 1$	$72 = \underline{7} \cdot 10 + \underline{2} \cdot 1$
$75 = \underline{7} \cdot 10 + \underline{5} \cdot 1$	$86 = \underline{8} \cdot 10 + \underline{6} \cdot 1$
$48 = \underline{4} \cdot 10 + \underline{8} \cdot 1$	$18 = \underline{1} \cdot 10 + \underline{8} \cdot 1$
$9 = \underline{0} \cdot 10 + \underline{9} \cdot 1$	$66 = \underline{6} \cdot 10 + \underline{6} \cdot 1$
$65 = \underline{6} \cdot 10 + \underline{5} \cdot 1$	$100 = \underline{10} \cdot 10 + \underline{0} \cdot 1$
$36 = \underline{3} \cdot 10 + \underline{6} \cdot 1$	$7 = \underline{0} \cdot 10 + \underline{7} \cdot 1$
$70 = \underline{7} \cdot 10 + \underline{0} \cdot 1$	$45 = \underline{4} \cdot 10 + \underline{5} \cdot 1$
$51 = \underline{5} \cdot 10 + \underline{1} \cdot 1$	$28 = \underline{2} \cdot 10 + \underline{8} \cdot 1$

## 2. Násobení a dělení v oboru násobílek

M 3/1, str. 18–48

9



**17** Vypočítej. U dělení proveď zkoušku násobením.

**a**

$4 \cdot 7 = 28$

$3 \cdot 7 = 21$

$7 \cdot 7 = 49$

$8 \cdot 7 = 56$

$9 \cdot 7 = 63$

$7 \cdot 1 = 7$

$7 \cdot 2 = 14$

$0 \cdot 7 = 0$

$7 \cdot 10 = 70$

$7 \cdot 4 = 28$

$5 \cdot 7 = 35$

$10 \cdot 7 = 70$

$7 \cdot 8 = 56$

$7 \cdot 9 = 63$

$1 \cdot 7 = 7$

$2 \cdot 7 = 14$

$6 \cdot 7 = 42$

$7 \cdot 6 = 42$

$7 \cdot 3 = 21$

$7 \cdot 5 = 35$

**b**

$35 : 7 = 5$

$5 \cdot 7 = 35$

$21 : 7 = 3$

$3 \cdot 7 = 21$

$49 : 7 = 7$

$7 \cdot 7 = 49$

$70 : 7 = 10$

$10 \cdot 7 = 70$

$0 : 7 = 0$

$0 \cdot 7 = 0$

$63 : 7 = 9$

$9 \cdot 7 = 63$

$28 : 7 = 4$

$4 \cdot 7 = 28$

$56 : 7 = 8$

$8 \cdot 7 = 56$

$7 : 7 = 1$

$1 \cdot 7 = 7$

$42 : 7 = 6$

$6 \cdot 7 = 42$

**18** Počítej podle vzoru.

**a**

28	→	4
49	→	7
21	→	3
70	→	10
35	→	5
14	→	2
56	→	8
63	→	9
7	→	1
42	→	6

**7**

**b**

6	→	42
3	→	21
8	→	56
2	→	14
10	→	70
4	→	28
1	→	7
5	→	35
7	→	49
9	→	63

**7**

**c**

24	→	6
40	→	10
16	→	4
8	→	2
28	→	7
36	→	9
4	→	1
20	→	5
12	→	3
32	→	8

**4**

**19** a) Vypočítej. b) Spoj příklady se stejnými výsledky.

**a**

$8 \cdot 4 = \underline{32}$

$8 \cdot 5 = \underline{40}$

$6 \cdot 8 = \underline{48}$

$7 \cdot 8 = \underline{56}$

$8 \cdot 7 = \underline{56}$

$2 \cdot 8 = \underline{16}$

$8 \cdot 2 = \underline{16}$

$8 \cdot 10 = \underline{80}$

$9 \cdot 8 = \underline{72}$

$8 \cdot 1 = \underline{8}$

$10 \cdot 8 = \underline{80}$

$8 \cdot 0 = \underline{0}$

$5 \cdot 8 = \underline{40}$

$4 \cdot 8 = \underline{32}$

$1 \cdot 8 = \underline{8}$

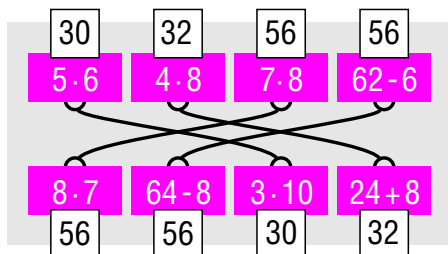
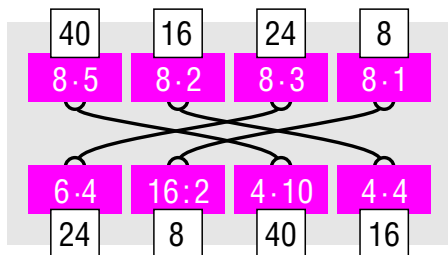
$8 \cdot 3 = \underline{24}$

$8 \cdot 8 = \underline{64}$

$8 \cdot 9 = \underline{72}$

$3 \cdot 8 = \underline{24}$

$8 \cdot 6 = \underline{48}$

**b**

**20** Vypočítej.

**a**

$4 \cdot 6 = \underline{24}$

$45 : 5 = \underline{9}$

$5 \cdot 3 = \underline{15}$

$42 : 7 = \underline{6}$

$64 : 8 = \underline{8}$

$8 \cdot 9 = \underline{72}$

$36 : 4 = \underline{9}$

$8 \cdot 5 = \underline{40}$

$27 : 3 = \underline{9}$

$3 \cdot 7 = \underline{21}$

**b**

$6 \cdot 2 = \underline{12}$

$48 : 8 = \underline{6}$

$6 \cdot 7 = \underline{42}$

$7 \cdot 9 = \underline{63}$

$63 : 7 = \underline{9}$

$45 : 5 = \underline{9}$

$5 \cdot 9 = \underline{45}$

$0 : 3 = \underline{0}$

$6 \cdot 6 = \underline{36}$

$4 \cdot 8 = \underline{32}$

**c**

$8 \cdot 3 = \underline{24}$

$54 : 6 = \underline{9}$

$5 \cdot 6 = \underline{30}$

$32 : 4 = \underline{8}$

$5 \cdot 5 = \underline{25}$

$21 : 7 = \underline{3}$

$5 \cdot 9 = \underline{45}$

$28 : 4 = \underline{7}$

$8 \cdot 6 = \underline{48}$

$7 \cdot 6 = \underline{42}$

**d**

$7 \cdot 4 = \underline{28}$

$32 : 8 = \underline{4}$

$7 \cdot 8 = \underline{56}$

$40 : 5 = \underline{8}$

$7 \cdot 3 = \underline{21}$

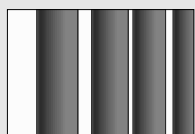
$70 : 7 = \underline{10}$

$24 : 6 = \underline{4}$

$3 \cdot 9 = \underline{27}$

$42 : 7 = \underline{6}$

$5 \cdot 8 = \underline{40}$



**21** a) Vypočítej a proved' zkoušku násobením. b) Počítej podle

**a**

$$32 : 8 = \underline{4} \quad \underline{4} \cdot 8 = 32$$

$$48 : 8 = \underline{6} \quad \underline{6} \cdot 8 = 48$$

$$64 : 8 = \underline{8} \quad \underline{8} \cdot 8 = 64$$

$$16 : 8 = \underline{2} \quad \underline{2} \cdot 8 = 16$$

$$40 : 8 = \underline{5} \quad \underline{5} \cdot 8 = 40$$

$$80 : 8 = \underline{10} \quad \underline{10} \cdot 8 = 80$$

$$8 : 8 = \underline{1} \quad \underline{1} \cdot 8 = 8$$

$$56 : 8 = \underline{7} \quad \underline{7} \cdot 8 = 56$$

$$72 : 8 = \underline{9} \quad \underline{9} \cdot 8 = 72$$

$$24 : 8 = \underline{3} \quad \underline{3} \cdot 8 = 24$$

**b**

32	16	48	64	0	80
----	----	----	----	---	----

	:	8			
--	---	---	--	--	--

4	2	6	8	0	10
---	---	---	---	---	----

:	2				
---	---	--	--	--	--

2	1	3	4	0	5
---	---	---	---	---	---

**22** Vypočítej správně.

**a**

$$36 : 4 = \underline{9}$$

$$6 \cdot 9 = \underline{54}$$

$$40 : 8 = \underline{5}$$

$$3 \cdot 2 = \underline{6}$$

$$48 : 6 = \underline{8}$$

$$4 \cdot 7 = \underline{28}$$

$$3 \cdot 3 = \underline{9}$$

$$54 : 6 = \underline{9}$$

$$49 : 7 = \underline{7}$$

$$8 \cdot 8 = \underline{64}$$

**b**

$$1 \cdot 9 = \underline{9}$$

$$35 : 7 = \underline{5}$$

$$0 \cdot 4 = \underline{0}$$

$$56 : 8 = \underline{7}$$

$$3 \cdot 5 = \underline{15}$$

$$16 : 2 = \underline{8}$$

$$7 \cdot 1 = \underline{7}$$

$$4 \cdot 2 = \underline{8}$$

$$90 : 9 = \underline{10}$$

$$24 : 8 = \underline{3}$$

**c**

$$5 \cdot 4 = \underline{20}$$

$$6 \cdot 5 = \underline{30}$$

$$0 \cdot 6 = \underline{0}$$

$$28 : 7 = \underline{4}$$

$$25 : 5 = \underline{5}$$

$$4 \cdot 9 = \underline{36}$$

$$8 \cdot 9 = \underline{72}$$

$$24 : 6 = \underline{4}$$

$$5 \cdot 7 = \underline{35}$$

$$7 \cdot 9 = \underline{63}$$

**d**

$$6 \cdot 8 = \underline{48}$$

$$72 : 8 = \underline{9}$$

$$5 \cdot 9 = \underline{45}$$

$$21 : 3 = \underline{7}$$

$$7 \cdot 7 = \underline{49}$$

$$42 : 6 = \underline{7}$$

$$6 \cdot 7 = \underline{42}$$

$$30 : 5 = \underline{6}$$

$$8 \cdot 4 = \underline{32}$$

$$24 : 4 = \underline{6}$$

**23** Vypočítej. U dělení proved' zkoušku násobením.

**a**

$9 \cdot 5 = \underline{45}$

$3 \cdot 9 = \underline{27}$

$9 \cdot 3 = \underline{27}$

$9 \cdot 8 = \underline{72}$

$7 \cdot 9 = \underline{63}$

$5 \cdot 9 = \underline{45}$

$4 \cdot 9 = \underline{36}$

$9 \cdot 6 = \underline{54}$

$9 \cdot 1 = \underline{9}$

$1 \cdot 9 = \underline{9}$

$6 \cdot 9 = \underline{54}$

$9 \cdot 9 = \underline{81}$

$9 \cdot 10 = \underline{90}$

$10 \cdot 9 = \underline{90}$

$2 \cdot 9 = \underline{18}$

$9 \cdot 4 = \underline{36}$

$0 \cdot 9 = \underline{0}$

$9 \cdot 7 = \underline{63}$

$8 \cdot 9 = \underline{72}$

$9 \cdot 2 = \underline{18}$

**b**

$45 : 9 = \underline{5}$

$5 \cdot 9 = \underline{45}$

$81 : 9 = \underline{9}$

$9 \cdot 9 = \underline{81}$

$54 : 9 = \underline{6}$

$6 \cdot 9 = \underline{54}$

$9 : 9 = \underline{1}$

$1 \cdot 9 = \underline{9}$

$63 : 9 = \underline{7}$

$7 \cdot 9 = \underline{63}$

$18 : 9 = \underline{2}$

$2 \cdot 9 = \underline{18}$

$72 : 9 = \underline{8}$

$8 \cdot 9 = \underline{72}$

$27 : 9 = \underline{3}$

$3 \cdot 9 = \underline{27}$

$90 : 9 = \underline{10}$

$10 \cdot 9 = \underline{90}$

$36 : 9 = \underline{4}$

$4 \cdot 9 = \underline{36}$

**24** Vypočítej.

**a**

$25 : 5 = \underline{5}$

$28 : 4 = \underline{7}$

$18 : 3 = \underline{6}$

$6 \cdot 6 = \underline{36}$

$72 : 9 = \underline{8}$

$12 : 3 = \underline{4}$

$20 : 4 = \underline{5}$

$72 : 9 = \underline{8}$

$4 \cdot 8 = \underline{32}$

$8 \cdot 6 = \underline{48}$

**b**

$7 \cdot 4 = \underline{28}$

$18 : 2 = \underline{9}$

$45 : 9 = \underline{5}$

$63 : 7 = \underline{9}$

$3 \cdot 7 = \underline{21}$

$8 \cdot 7 = \underline{56}$

$5 \cdot 7 = \underline{35}$

$0 : 5 = \underline{0}$

$56 : 8 = \underline{7}$

$8 \cdot 4 = \underline{32}$

**c**

$56 : 7 = \underline{8}$

$6 \cdot 5 = \underline{30}$

$9 \cdot 9 = \underline{81}$

$7 \cdot 6 = \underline{42}$

$64 : 8 = \underline{8}$

$81 : 9 = \underline{9}$

$2 \cdot 10 = \underline{20}$

$3 \cdot 9 = \underline{27}$

$20 : 5 = \underline{4}$

$9 : 9 = \underline{1}$

**d**

$7 \cdot 5 = \underline{35}$

$5 \cdot 5 = \underline{25}$

$21 : 7 = \underline{3}$

$30 : 5 = \underline{6}$

$7 \cdot 6 = \underline{42}$

$42 : 6 = \underline{7}$

$72 : 8 = \underline{9}$

$49 : 7 = \underline{7}$

$36 : 4 = \underline{9}$

$7 \cdot 9 = \underline{63}$



**25** Vypočítej. U dělení proveď zkoušku násobením.

<b>a</b>		<b>b</b>	
$5 \cdot 10 =$ <u>50</u>	$6 \cdot 10 =$ <u>60</u>	$20 : 10 =$ <u>2</u>	$2 \cdot 10 =$ <u>20</u>
$9 \cdot 10 =$ <u>90</u>	$10 \cdot 3 =$ <u>30</u>	$40 : 10 =$ <u>4</u>	$4 \cdot 10 =$ <u>40</u>
$10 \cdot 8 =$ <u>80</u>	$8 \cdot 10 =$ <u>80</u>	$80 : 10 =$ <u>8</u>	$8 \cdot 10 =$ <u>80</u>
$0 \cdot 10 =$ <u>0</u>	$10 \cdot 1 =$ <u>10</u>	$50 : 10 =$ <u>5</u>	$5 \cdot 10 =$ <u>50</u>
$3 \cdot 10 =$ <u>30</u>	$10 \cdot 10 =$ <u>100</u>	$90 : 10 =$ <u>9</u>	$9 \cdot 10 =$ <u>90</u>
$7 \cdot 10 =$ <u>70</u>	$4 \cdot 10 =$ <u>40</u>	$20 : 10 =$ <u>2</u>	$2 \cdot 10 =$ <u>20</u>
$1 \cdot 10 =$ <u>10</u>	$10 \cdot 7 =$ <u>70</u>	$100 : 10 =$ <u>10</u>	$10 \cdot 10 =$ <u>100</u>
$10 \cdot 4 =$ <u>40</u>	$2 \cdot 10 =$ <u>20</u>	$70 : 10 =$ <u>7</u>	$7 \cdot 10 =$ <u>70</u>
$10 \cdot 6 =$ <u>60</u>	$10 \cdot 9 =$ <u>90</u>	$10 : 10 =$ <u>1</u>	$1 \cdot 10 =$ <u>10</u>
$10 \cdot 2 =$ <u>20</u>	$10 \cdot 5 =$ <u>50</u>	$60 : 10 =$ <u>6</u>	$6 \cdot 10 =$ <u>60</u>

**26** Doplň správně tabulku.

a	10	3	7	2	8	5	0	9	6	1	4
a · 2	20	6	14	4	16	10	0	18	12	2	8
a · 4	40	12	28	8	32	20	0	36	24	4	16
a · 6	60	18	42	12	48	30	0	54	36	6	24
a · 8	80	24	56	16	64	40	0	72	48	8	32
a · 10	100	30	70	20	80	50	0	90	60	10	40
a · 3	30	9	21	6	24	15	0	27	18	3	12
a · 5	50	15	35	10	40	25	0	45	30	5	20
a · 7	70	21	49	14	56	35	0	63	42	7	28
a · 9	90	27	63	18	72	45	0	81	54	9	36

**27** Vypočítej. Prováděj zkoušky násobením a dělením.

**a**

$7 \cdot 6 = \underline{42} \quad 42 : 6 = \underline{7}$

$30 : 5 = \underline{6} \quad 6 \cdot 5 = \underline{30}$

$4 \cdot 8 = \underline{32} \quad 32 : 8 = \underline{4}$

$45 : 9 = \underline{5} \quad 5 \cdot 9 = \underline{45}$

$10 \cdot 5 = \underline{50} \quad 50 : 5 = \underline{10}$

$70 : 10 = \underline{7} \quad 7 \cdot 10 = \underline{70}$

$2 \cdot 8 = \underline{16} \quad 16 : 8 = \underline{2}$

$28 : 7 = \underline{4} \quad 4 \cdot 7 = \underline{28}$

$9 \cdot 6 = \underline{54} \quad 54 : 6 = \underline{9}$

$24 : 3 = \underline{8} \quad 8 \cdot 3 = \underline{24}$

**b**

$5 \cdot 3 = \underline{15} \quad 15 : 3 = \underline{5}$

$12 : 2 = \underline{6} \quad 6 \cdot 2 = \underline{12}$

$8 \cdot 6 = \underline{48} \quad 48 : 6 = \underline{8}$

$24 : 6 = \underline{4} \quad 4 \cdot 6 = \underline{24}$

$3 \cdot 9 = \underline{27} \quad 27 : 9 = \underline{3}$

$64 : 8 = \underline{8} \quad 8 \cdot 8 = \underline{64}$

$10 \cdot 2 = \underline{20} \quad 20 : 2 = \underline{10}$

$32 : 4 = \underline{8} \quad 8 \cdot 4 = \underline{32}$

$9 : 1 = \underline{9} \quad 9 \cdot 1 = \underline{9}$

$6 \cdot 4 = \underline{24} \quad 24 : 4 = \underline{6}$

**28** Vypočítej.

**a**

$6 \cdot 5 = \underline{30}$

$18 : 2 = \underline{9}$

$8 \cdot 8 = \underline{64}$

$28 : 7 = \underline{4}$

$40 : 10 = \underline{4}$

$4 \cdot 6 = \underline{24}$

$36 : 4 = \underline{9}$

$2 \cdot 7 = \underline{14}$

$10 \cdot 8 = \underline{80}$

$56 : 8 = \underline{7}$

**b**

$4 \cdot 4 = \underline{16}$

$10 \cdot 3 = \underline{30}$

$45 : 5 = \underline{9}$

$2 \cdot 9 = \underline{18}$

$36 : 6 = \underline{6}$

$6 \cdot 7 = \underline{42}$

$6 : 1 = \underline{6}$

$0 : 2 = \underline{0}$

$7 \cdot 9 = \underline{63}$

$35 : 7 = \underline{5}$

**c**

$5 \cdot 9 = \underline{45}$

$81 : 9 = \underline{9}$

$7 \cdot 7 = \underline{49}$

$18 : 9 = \underline{2}$

$27 : 3 = \underline{9}$

$3 \cdot 7 = \underline{21}$

$54 : 6 = \underline{9}$

$9 \cdot 8 = \underline{72}$

$25 : 5 = \underline{5}$

$1 \cdot 3 = \underline{3}$

**d**

$3 \cdot 6 = \underline{18}$

$9 \cdot 4 = \underline{36}$

$21 : 3 = \underline{7}$

$49 : 7 = \underline{7}$

$8 \cdot 9 = \underline{72}$

$80 : 10 = \underline{8}$

$0 \cdot 6 = \underline{0}$

$24 : 4 = \underline{6}$

$5 \cdot 7 = \underline{35}$

$72 : 8 = \underline{9}$

**29** Vypočítej.

<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>
$45 : 9 = 5$	$3 \cdot 5 = 15$	$45 : 5 = 9$	$2 \cdot 8 = 16$
$5 \cdot 4 = 20$	$27 : 3 = 9$	$4 \cdot 3 = 12$	$28 : 7 = 4$
$42 : 6 = 7$	$4 \cdot 9 = 36$	$27 : 9 = 3$	$7 \cdot 7 = 49$
$64 : 8 = 8$	$30 : 5 = 6$	$7 \cdot 8 = 56$	$63 : 7 = 9$
$3 \cdot 8 = 24$	$36 : 6 = 6$	$8 \cdot 6 = 48$	$32 : 8 = 4$
$81 : 9 = 9$	$7 \cdot 9 = 63$	$54 : 9 = 6$	$40 : 8 = 5$
$6 \cdot 5 = 30$	$48 : 6 = 8$	$9 \cdot 4 = 36$	$10 \cdot 10 = 100$
$9 \cdot 8 = 72$	$3 \cdot 5 = 15$	$32 : 4 = 8$	$8 \cdot 7 = 56$
$36 : 9 = 4$	$63 : 9 = 7$	$21 : 3 = 7$	$72 : 9 = 8$
$4 \cdot 7 = 28$	$5 \cdot 3 = 15$	$3 \cdot 9 = 27$	$9 \cdot 0 = 0$

**30** Vypočítej správně.

<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>
$70 + 15 = 85$	$95 - 9 = 86$	$56 - 5 = 51$	$2 \cdot 9 = 18$
$3 \cdot 5 = 15$	$40 : 10 = 4$	$28 : 7 = 4$	$83 - 5 = 78$
$16 + 40 = 56$	$6 \cdot 10 = 60$	$8 \cdot 4 = 32$	$60 : 6 = 10$
$18 : 2 = 9$	$9 \cdot 9 = 81$	$87 + 4 = 91$	$32 - 9 = 23$
$54 + 8 = 62$	$72 : 8 = 9$	$5 + 56 = 61$	$78 - 70 = 8$
$56 : 8 = 7$	$36 - 9 = 27$	$9 \cdot 6 = 54$	$100 - 40 = 60$
$6 \cdot 5 = 30$	$6 \cdot 0 = 0$	$25 : 5 = 5$	$27 - 9 = 18$
$24 : 4 = 6$	$42 : 6 = 7$	$31 - 7 = 24$	$7 \cdot 9 = 63$
$88 + 8 = 96$	$30 + 45 = 75$	$54 - 50 = 4$	$9 \cdot 4 = 36$
$80 - 50 = 30$	$8 + 25 = 33$	$10 : 10 = 1$	$35 - 5 = 30$

**31** Zapisuj čísla podle vzoru.**a**

$29 = \underline{2 \cdot 10 + 9 \cdot 1}$

$55 = \underline{5 \cdot 10 + 5 \cdot 1}$

$72 = \underline{7 \cdot 10 + 2 \cdot 1}$

$48 = \underline{4 \cdot 10 + 8 \cdot 1}$

$98 = \underline{9 \cdot 10 + 8 \cdot 1}$

$6 = \underline{0 \cdot 10 + 6 \cdot 1}$

$83 = \underline{8 \cdot 10 + 3 \cdot 1}$

$61 = \underline{6 \cdot 10 + 1 \cdot 1}$

$37 = \underline{3 \cdot 10 + 7 \cdot 1}$

$93 = \underline{9 \cdot 10 + 3 \cdot 1}$

**b**

$35 = \underline{3 \cdot 10 + 5 \cdot 1}$

$44 = \underline{4 \cdot 10 + 4 \cdot 1}$

$87 = \underline{8 \cdot 10 + 7 \cdot 1}$

$100 = \underline{10 \cdot 10 + 0 \cdot 1}$

$50 = \underline{5 \cdot 10 + 0 \cdot 1}$

$75 = \underline{7 \cdot 10 + 5 \cdot 1}$

$18 = \underline{1 \cdot 10 + 8 \cdot 1}$

$90 = \underline{9 \cdot 10 + 0 \cdot 1}$

$63 = \underline{6 \cdot 10 + 3 \cdot 1}$

$22 = \underline{2 \cdot 10 + 2 \cdot 1}$

**32** Vypočítej.**a**

$70 + 15 = \underline{85}$

$36 + 60 = \underline{96}$

$18 + 30 = \underline{48}$

$50 + 15 = \underline{65}$

$19 + 40 = \underline{59}$

$78 + 10 = \underline{88}$

$30 + 14 = \underline{44}$

$28 + 20 = \underline{48}$

$76 + 20 = \underline{96}$

$30 + 58 = \underline{88}$

**b**

$40 + 14 = \underline{54}$

$17 + 30 = \underline{47}$

$27 + 30 = \underline{57}$

$75 + 20 = \underline{95}$

$37 + 40 = \underline{77}$

$83 + 10 = \underline{93}$

$65 + 30 = \underline{95}$

$30 + 52 = \underline{82}$

$80 + 19 = \underline{99}$

$32 + 50 = \underline{82}$

**c**

$55 + 0 = \underline{55}$

$60 + 25 = \underline{85}$

$60 + 15 = \underline{75}$

$50 + 36 = \underline{86}$

$69 + 30 = \underline{99}$

$36 + 20 = \underline{56}$

$49 + 40 = \underline{89}$

$32 + 30 = \underline{62}$

$80 + 16 = \underline{96}$

$23 + 60 = \underline{83}$

**d**

$20 + 75 = \underline{95}$

$49 + 30 = \underline{79}$

$19 + 70 = \underline{89}$

$70 + 17 = \underline{87}$

$30 + 59 = \underline{89}$

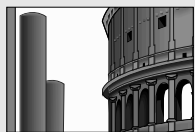
$17 + 80 = \underline{97}$

$45 + 20 = \underline{65}$

$95 + 0 = \underline{95}$

$40 + 17 = \underline{57}$

$26 + 70 = \underline{96}$

**33** Vypočítej.

<b>a</b>	<b>b</b>
$58 - 30 = (50 + 8) - 30 = (50 - 30) + 8 = 28$	$40 - 28 = (40 - 20) - 8 = 12$
$74 - 60 = (70 + 4) - 60 = (70 - 60) + 4 = 14$	$70 - 36 = (70 - 30) - 6 = 34$
$91 - 80 = (90 + 1) - 80 = (90 - 80) + 1 = 11$	$50 - 22 = (50 - 20) - 2 = 28$
$39 - 10 = (30 + 9) - 10 = (30 - 10) + 9 = 29$	$60 - 43 = (60 - 40) - 3 = 17$
$62 - 20 = (60 + 2) - 20 = (60 - 20) + 2 = 42$	$90 - 71 = (90 - 70) - 1 = 19$
$97 - 60 = (90 + 7) - 60 = (90 - 60) + 7 = 37$	$30 - 19 = (30 - 10) - 9 = 11$
$56 - 40 = (50 + 6) - 40 = (50 - 40) + 6 = 16$	$100 - 45 = (100 - 40) - 5 = 55$
$85 - 50 = (80 + 5) - 50 = (80 - 50) + 5 = 35$	$80 - 56 = (80 - 50) - 6 = 24$
$24 - 20 = (20 + 4) - 20 = (20 - 20) + 4 = 4$	$20 - 13 = (20 - 10) - 3 = 7$
$45 - 20 = (40 + 5) - 20 = (40 - 20) + 5 = 25$	$60 - 38 = (60 - 30) - 8 = 22$

**34** Vypočítej.

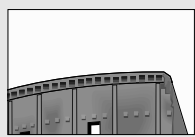
<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>
$26 - 10 = 16$	$65 - 50 = 15$	$59 - 20 = 39$	$90 - 26 = 64$
$69 - 60 = 9$	$75 - 40 = 35$	$29 - 20 = 9$	$70 - 57 = 13$
$90 - 31 = 59$	$30 - 28 = 2$	$99 - 80 = 19$	$49 - 30 = 19$
$40 - 18 = 22$	$50 - 34 = 16$	$60 - 15 = 45$	$70 - 65 = 5$
$20 - 15 = 5$	$60 - 18 = 42$	$30 - 8 = 22$	$30 - 12 = 18$
$80 - 35 = 45$	$48 - 40 = 8$	$35 - 20 = 15$	$50 - 11 = 39$
$70 - 39 = 31$	$96 - 70 = 26$	$90 - 19 = 71$	$60 - 6 = 54$
$70 - 69 = 1$	$39 - 30 = 9$	$60 - 48 = 12$	$80 - 44 = 36$
$40 - 35 = 5$	$80 - 45 = 35$	$49 - 20 = 29$	$20 - 11 = 9$
$35 - 10 = 25$	$50 - 2 = 48$	$64 - 30 = 34$	$90 - 58 = 32$

**35** Dopln chybějící sčítance.

<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>
$20 + 35 = 55$	$90 + 9 = 99$	$18 + 30 = 48$	$26 + 0 = 26$
$23 + 30 = 53$	$36 + 50 = 86$	$13 + 20 = 33$	$30 + 65 = 95$
$36 + 40 = 76$	$55 + 30 = 85$	$10 + 45 = 55$	$6 + 80 = 86$
$40 + 38 = 78$	$39 + 20 = 59$	$70 + 16 = 86$	$20 + 18 = 38$
$13 + 10 = 23$	$50 + 18 = 68$	$10 + 57 = 67$	$15 + 30 = 45$
$20 + 18 = 38$	$37 + 30 = 67$	$20 + 4 = 24$	$13 + 70 = 83$
$20 + 25 = 45$	$80 + 16 = 96$	$13 + 41 = 54$	$12 + 30 = 42$
$37 + 60 = 97$	$18 + 30 = 48$	$10 + 43 = 53$	$11 + 49 = 60$
$25 + 30 = 55$	$30 + 25 = 55$	$80 + 14 = 94$	$8 + 30 = 38$
$20 + 1 = 21$	$70 + 12 = 82$	$18 + 40 = 58$	$20 + 56 = 76$

**36** Dopln chybějící menšence a menšitele.

<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>
$70 - 31 = 39$	$90 - 58 = 32$	$60 - 40 = 20$	$40 - 28 = 12$
$90 - 15 = 75$	$50 - 18 = 32$	$46 - 20 = 26$	$30 - 15 = 15$
$25 - 10 = 15$	$49 - 20 = 29$	$35 - 15 = 20$	$98 - 50 = 48$
$48 - 30 = 18$	$94 - 14 = 80$	$90 - 18 = 72$	$60 - 11 = 49$
$90 - 26 = 64$	$39 - 20 = 19$	$50 - 25 = 25$	$49 - 20 = 29$
$35 - 15 = 20$	$40 - 11 = 29$	$30 - 19 = 11$	$58 - 30 = 28$
$60 - 16 = 44$	$60 - 28 = 32$	$80 - 12 = 68$	$60 - 9 = 51$
$90 - 17 = 73$	$28 - 18 = 10$	$72 - 12 = 60$	$78 - 50 = 28$
$46 - 30 = 16$	$81 - 20 = 61$	$88 - 20 = 68$	$95 - 30 = 65$
$99 - 49 = 50$	$75 - 15 = 60$	$66 - 20 = 46$	$80 - 12 = 68$



#### 37 Doplň tabulky.

**a**

	10	30	84	38	28	60	26	15	30	50
+	71	45	10	50	60	23	40	70	38	49
=	81	75	94	88	88	83	66	85	68	99

**b**

	37	70	60	56	13	40	50	30	34	75
+	20	18	33	40	80	16	23	66	30	20
=	57	88	93	96	93	56	73	96	64	95

**c**

	20	16	11	15	40	70	42	37	10	20
+	26	14	11	15	36	12	18	20	38	66
=	46	30	22	30	76	82	60	57	48	86

#### 38 Doplň správně řetězce.

$$\boxed{30} - 15 \blacktriangleright \boxed{15} + 42 \blacktriangleright \boxed{57} - 27 \blacktriangleright \boxed{30} - 24 \blacktriangleright \boxed{6} + 84 \blacktriangleright \boxed{90}$$

$$\boxed{40} + 24 \blacktriangleright \boxed{64} - 30 \blacktriangleright \boxed{34} - 14 \blacktriangleright \boxed{20} + 73 \blacktriangleright \boxed{93} - 13 \blacktriangleright \boxed{80}$$

$$\boxed{50} + 33 \blacktriangleright \boxed{83} + 9 \blacktriangleright \boxed{92} - 62 \blacktriangleright \boxed{30} + 55 \blacktriangleright \boxed{85} - 15 \blacktriangleright \boxed{70}$$

$$\boxed{60} - 45 \blacktriangleright \boxed{15} + 25 \blacktriangleright \boxed{40} + 18 \blacktriangleright \boxed{58} - 38 \blacktriangleright \boxed{20} + 40 \blacktriangleright \boxed{60}$$

$$\boxed{70} + 30 \blacktriangleright \boxed{100} - 28 \blacktriangleright \boxed{72} - 40 \blacktriangleright \boxed{32} + 18 \blacktriangleright \boxed{50} + 0 \blacktriangleright \boxed{50}$$

$$\boxed{80} - 44 \blacktriangleright \boxed{36} - 16 \blacktriangleright \boxed{20} + 41 \blacktriangleright \boxed{61} - 30 \blacktriangleright \boxed{31} + 9 \blacktriangleright \boxed{40}$$

$$\boxed{90} + 8 \blacktriangleright \boxed{98} - 35 \blacktriangleright \boxed{63} - 23 \blacktriangleright \boxed{40} + 19 \blacktriangleright \boxed{59} - 29 \blacktriangleright \boxed{30}$$

**39** Zopakuj si.**a**

$5 \cdot 8 = 40$

$14 : 2 = 7$

$9 \cdot 9 = 81$

$40 : 4 = 10$

$3 \cdot 6 = 18$

$32 : 8 = 4$

$7 \cdot 7 = 49$

$42 : 6 = 7$

$30 : 5 = 6$

$24 : 3 = 8$

$2 \cdot 9 = 18$

$54 : 9 = 6$

$10 \cdot 3 = 30$

$20 : 10 = 2$

$8 \cdot 6 = 48$

$5 : 1 = 5$

$1 \cdot 5 = 5$

$64 : 8 = 8$

$4 \cdot 9 = 36$

$28 : 7 = 4$

$6 \cdot 6 = 36$

**b**

$3 \cdot 8 = 24$

$24 : 6 = 4$

$8 \cdot 9 = 72$

$7 : 1 = 7$

$0 \cdot 2 = 0$

$72 : 9 = 8$

$5 \cdot 2 = 10$

$32 : 4 = 8$

$27 : 3 = 9$

$6 \cdot 9 = 54$

$48 : 8 = 6$

$10 : 10 = 1$

$90 : 9 = 10$

$2 \cdot 7 = 14$

$100 : 10 = 10$

$45 : 5 = 9$

$9 \cdot 6 = 54$

$81 : 9 = 9$

$56 : 7 = 8$

$4 \cdot 5 = 20$

$16 : 2 = 8$

**40** Počítej a zapisuj podle vzoru.

$(34 - 10) : 6 = 24 : 6 = 4$

$(40 + 41) : 9 = 81 : 9 = 9$

$(30 - 12) : 2 = 18 : 2 = 9$

$(31 + 33) : 8 = 64 : 8 = 8$

$(10 + 26) : 4 = 36 : 4 = 9$

$(60 - 33) : 3 = 27 : 3 = 9$

$(35 + 45) : 10 = 80 : 10 = 8$

$(50 - 18) : 8 = 32 : 8 = 4$

$(60 - 15) : 5 = 45 : 5 = 9$

$(30 + 42) : 9 = 72 : 9 = 8$

$(91 - 61) : 10 = 30 : 10 = 3$

$(24 + 30) : 6 = 54 : 6 = 9$

$(70 - 42) : 7 = 28 : 7 = 4$

$(21 + 21) : 6 = 42 : 6 = 7$

$(93 - 53) : 5 = 40 : 5 = 8$

$(80 - 60) : 4 = 20 : 4 = 5$

$(20 + 61) : 9 = 81 : 9 = 9$

$(70 - 62) : 2 = 8 : 2 = 4$

$(60 - 15) : 9 = 45 : 9 = 5$

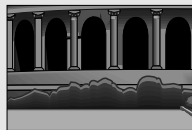
$(24 + 25) : 7 = 49 : 7 = 7$

$(90 - 69) : 3 = 21 : 3 = 7$

### 3. Sčítání a odčítání dvojciferných čísel

M 3/2, str. 3–16

21



**41** Vypočítej. (Vzor:  $29 + 11 = (29 + 10) + 1 = 40$ )

<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>
$27 + 33 = 60$	$14 + 16 = 30$	$25 + 65 = 90$	$63 + 17 = 80$
$72 + 18 = 90$	$13 + 77 = 90$	$67 + 23 = 90$	$39 + 61 = 100$
$28 + 11 = 39$	$38 + 12 = 50$	$49 + 21 = 70$	$11 + 65 = 76$
$51 + 19 = 70$	$43 + 15 = 58$	$26 + 34 = 60$	$14 + 86 = 100$
$83 + 15 = 98$	$16 + 13 = 29$	$81 + 12 = 93$	$26 + 24 = 50$
$47 + 43 = 90$	$26 + 44 = 70$	$24 + 64 = 88$	$43 + 47 = 90$
$36 + 12 = 48$	$28 + 51 = 79$	$35 + 61 = 96$	$38 + 21 = 59$
$82 + 18 = 100$	$25 + 25 = 50$	$19 + 11 = 30$	$47 + 13 = 60$
$72 + 26 = 98$	$46 + 22 = 68$	$65 + 24 = 89$	$75 + 14 = 89$
$29 + 51 = 80$	$55 + 34 = 89$	$55 + 25 = 80$	$28 + 32 = 60$

**42** Vypočítej. (Vzor:  $48 - 25 = (48 - 20) - 5 = 23$ )

<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>
$88 - 24 = 64$	$65 - 15 = 50$	$54 - 12 = 42$	$26 - 16 = 10$
$42 - 11 = 31$	$28 - 18 = 10$	$72 - 11 = 61$	$63 - 13 = 50$
$49 - 15 = 34$	$32 - 11 = 21$	$65 - 11 = 54$	$38 - 28 = 10$
$78 - 13 = 65$	$69 - 19 = 50$	$56 - 24 = 32$	$85 - 74 = 11$
$99 - 66 = 33$	$84 - 53 = 31$	$25 - 15 = 10$	$38 - 26 = 12$
$80 - 25 = 55$	$100 - 35 = 65$	$48 - 17 = 31$	$100 - 56 = 44$
$39 - 26 = 13$	$48 - 22 = 26$	$29 - 16 = 13$	$75 - 14 = 61$
$96 - 34 = 62$	$78 - 25 = 53$	$92 - 12 = 80$	$59 - 11 = 48$
$68 - 47 = 21$	$58 - 12 = 46$	$35 - 25 = 10$	$25 - 14 = 11$
$48 - 13 = 35$	$90 - 76 = 14$	$58 - 26 = 32$	$46 - 42 = 4$

**43** Doplň tabulky.

<b>a</b>	28	72	11	56	26	13	39	15	27	33
<b>+</b>	61	25	18	12	13	25	31	25	23	12
<b>=</b>	89	97	29	68	39	38	70	40	50	45

<b>b</b>	34	27	24	56	59	67	49	96	82	38
<b>·</b>	11	12	12	0	29	17	19	85	21	14
<b>=</b>	23	15	12	56	30	50	30	11	61	24

<b>c</b>	15	11	41	0	43	51	33	16	74	12
<b>+</b>	82	47	58	65	15	28	65	22	26	53
<b>=</b>	97	58	99	65	58	79	98	38	100	65

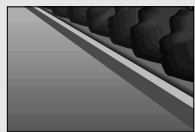
**44** Počítej a doplňuj sčítance, menšence a menšitele.

<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>
$26 - 14 = 12$	$52 + 48 = 100$	$0 + 64 = 64$	$23 + 24 = 47$
$48 + 12 = 60$	$15 + 54 = 69$	$87 + 12 = 99$	$29 - 16 = 13$
$13 + 13 = 26$	$56 - 22 = 34$	$44 - 12 = 32$	$22 + 11 = 33$
$65 + 25 = 90$	$35 + 25 = 60$	$71 + 18 = 89$	$65 - 12 = 53$
$59 + 11 = 70$	$94 - 54 = 40$	$77 - 17 = 60$	$46 + 13 = 59$
$48 - 16 = 32$	$25 + 33 = 58$	$44 + 44 = 88$	$48 - 24 = 24$
$99 - 12 = 87$	$96 - 46 = 50$	$35 - 12 = 23$	$36 + 34 = 70$
$39 - 28 = 11$	$36 + 34 = 70$	$32 + 65 = 97$	$68 - 14 = 54$
$87 + 11 = 98$	$98 - 26 = 72$	$29 - 18 = 11$	$92 - 12 = 80$
$92 - 11 = 81$	$64 + 16 = 80$	$41 + 59 = 100$	$27 + 27 = 54$

### 3. Sčítání a odčítání dvojciferných čísel

M 3/2, str. 3–16

23



**45** Vypočítej. (Vzor:  $29 + 3 = (29 + 1) + 2 = 32$ ;  $52 - 4 = (52 - 2) - 2 = 48$ )

<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>
$69 + 2 = \underline{71}$	$47 + 5 = \underline{52}$	$8 + 48 = \underline{56}$	$19 + 7 = \underline{26}$
$14 - 6 = \underline{8}$	$12 - 8 = \underline{4}$	$56 + 8 = \underline{64}$	$98 - 9 = \underline{89}$
$32 - 8 = \underline{24}$	$29 + 4 = \underline{33}$	$93 - 7 = \underline{86}$	$39 + 6 = \underline{45}$
$45 + 7 = \underline{52}$	$75 - 8 = \underline{67}$	$46 - 8 = \underline{38}$	$64 - 5 = \underline{59}$
$58 - 9 = \underline{49}$	$51 - 2 = \underline{49}$	$74 - 9 = \underline{65}$	$16 + 7 = \underline{23}$
$58 + 9 = \underline{67}$	$36 + 6 = \underline{42}$	$3 + 29 = \underline{32}$	$75 - 9 = \underline{66}$
$78 + 6 = \underline{84}$	$34 - 9 = \underline{25}$	$62 - 9 = \underline{53}$	$46 + 8 = \underline{54}$
$56 - 8 = \underline{48}$	$65 - 7 = \underline{58}$	$37 + 9 = \underline{46}$	$67 - 8 = \underline{59}$
$88 - 9 = \underline{79}$	$47 + 6 = \underline{53}$	$6 + 87 = \underline{93}$	$45 - 7 = \underline{38}$
$35 + 7 = \underline{42}$	$5 + 29 = \underline{34}$	$42 - 3 = \underline{39}$	$43 + 9 = \underline{52}$

**46** Vypočítej. (Vzor:  $25 + 16 = (25 + 10) + 6 = 41$ )

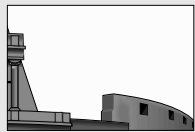
<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>
$36 + 28 = \underline{64}$	$31 + 19 = \underline{50}$	$65 + 17 = \underline{82}$	$28 + 16 = \underline{44}$
$35 + 26 = \underline{61}$	$73 + 27 = \underline{100}$	$83 + 16 = \underline{99}$	$63 + 29 = \underline{92}$
$27 + 47 = \underline{74}$	$48 + 34 = \underline{82}$	$19 + 56 = \underline{75}$	$52 + 39 = \underline{91}$
$29 + 29 = \underline{58}$	$65 + 26 = \underline{91}$	$55 + 18 = \underline{73}$	$43 + 47 = \underline{90}$
$44 + 28 = \underline{72}$	$17 + 64 = \underline{81}$	$35 + 26 = \underline{61}$	$27 + 35 = \underline{62}$
$38 + 46 = \underline{84}$	$47 + 39 = \underline{86}$	$47 + 35 = \underline{82}$	$26 + 67 = \underline{93}$
$37 + 14 = \underline{51}$	$82 + 16 = \underline{98}$	$76 + 18 = \underline{94}$	$63 + 28 = \underline{91}$
$46 + 27 = \underline{73}$	$56 + 26 = \underline{82}$	$18 + 54 = \underline{72}$	$17 + 37 = \underline{54}$
$35 + 38 = \underline{73}$	$28 + 28 = \underline{56}$	$34 + 48 = \underline{82}$	$15 + 67 = \underline{82}$
$19 + 43 = \underline{62}$	$77 + 19 = \underline{96}$	$56 + 37 = \underline{93}$	$29 + 23 = \underline{52}$

**47** Vypočítej. (Vzor:  $44 - 26 = (44 - 20) - 6 = 18$ )

<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>
$71 - 53 = 18$	$53 - 34 = 19$	$98 - 29 = 69$	$41 - 25 = 16$
$56 - 37 = 19$	$42 - 14 = 28$	$65 - 36 = 29$	$32 - 15 = 17$
$63 - 35 = 28$	$82 - 24 = 58$	$21 - 18 = 3$	$68 - 55 = 13$
$83 - 75 = 8$	$84 - 76 = 8$	$34 - 26 = 8$	$65 - 27 = 38$
$92 - 55 = 37$	$74 - 29 = 45$	$62 - 43 = 19$	$76 - 58 = 18$
$65 - 36 = 29$	$35 - 16 = 19$	$63 - 54 = 9$	$32 - 16 = 16$
$48 - 29 = 19$	$28 - 19 = 9$	$85 - 26 = 59$	$36 - 27 = 9$
$95 - 16 = 79$	$82 - 13 = 69$	$63 - 24 = 39$	$81 - 34 = 47$
$48 - 29 = 19$	$63 - 29 = 34$	$43 - 26 = 17$	$92 - 28 = 64$
$73 - 47 = 26$	$96 - 38 = 58$	$91 - 35 = 56$	$37 - 19 = 18$

**48** Počítej a doplňuj sčítance, menšence a menšitele.

<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>
$12 + 52 = 64$	$17 + 46 = 63$	$48 + 25 = 73$	$76 + 15 = 91$
$60 + 8 = 68$	$31 + 3 = 34$	$58 + 36 = 94$	$57 + 38 = 95$
$15 + 11 = 26$	$26 + 18 = 44$	$24 + 7 = 31$	$36 + 24 = 60$
$23 + 67 = 90$	$27 + 56 = 83$	$75 + 13 = 88$	$29 + 12 = 41$
$24 + 46 = 70$	$19 + 19 = 38$	$67 + 5 = 72$	$26 + 30 = 56$
$25 + 7 = 32$	$29 + 13 = 42$	$63 + 29 = 92$	$36 + 46 = 82$
$76 + 11 = 87$	$57 + 25 = 82$	$33 + 34 = 67$	$43 + 38 = 81$
$22 + 9 = 31$	$33 + 19 = 52$	$65 + 26 = 91$	$62 + 29 = 91$
$58 + 40 = 98$	$45 + 26 = 71$	$39 + 61 = 100$	$28 + 33 = 61$
$36 + 45 = 81$	$39 + 14 = 53$	$29 + 55 = 84$	$75 + 18 = 93$

**49** Počítej a doplňuj sčítance, menšence a menšitele.

<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>
$73 - 24 = 49$	$66 - 25 = 41$	$78 - 37 = 41$	$54 - 29 = 25$
$58 - 39 = 19$	$95 - 29 = 66$	$75 - 16 = 59$	$67 - 10 = 57$
$95 - 28 = 67$	$73 - 24 = 49$	$95 - 35 = 60$	$24 - 17 = 7$
$62 - 18 = 44$	$52 - 45 = 7$	$65 - 0 = 65$	$26 - 17 = 9$
$33 - 29 = 4$	$86 - 72 = 14$	$44 - 25 = 19$	$38 - 19 = 19$
$21 - 13 = 8$	$53 - 35 = 18$	$100 - 99 = 1$	$66 - 17 = 49$
$43 - 24 = 19$	$77 - 28 = 49$	$37 - 15 = 22$	$37 - 0 = 37$
$73 - 55 = 18$	$42 - 34 = 8$	$93 - 16 = 77$	$76 - 48 = 28$
$35 - 16 = 19$	$76 - 47 = 29$	$52 - 13 = 39$	$100 - 58 = 42$
$81 - 12 = 69$	$35 - 29 = 6$	$92 - 26 = 66$	$35 - 16 = 19$

**50** Vypočítej.

**a**

$$\boxed{84} + 9 \blacktriangleright \boxed{93} + 7 \blacktriangleright \boxed{100}$$

$$\boxed{53} + 19 \blacktriangleright \boxed{72} + 12 \blacktriangleright \boxed{84}$$

$$\boxed{48} + 36 \blacktriangleright \boxed{84} + 7 \blacktriangleright \boxed{91}$$

$$\boxed{75} + 18 \blacktriangleright \boxed{93} + 4 \blacktriangleright \boxed{97}$$

$$\boxed{36} + 36 \blacktriangleright \boxed{72} + 19 \blacktriangleright \boxed{91}$$

$$\boxed{29} + 8 \blacktriangleright \boxed{37} + 45 \blacktriangleright \boxed{82}$$

$$\boxed{17} + 34 \blacktriangleright \boxed{51} + 42 \blacktriangleright \boxed{93}$$

**b**

$$\boxed{93} - 35 \blacktriangleright \boxed{58} - 45 \blacktriangleright \boxed{13}$$

$$\boxed{75} - 46 \blacktriangleright \boxed{29} - 18 \blacktriangleright \boxed{11}$$

$$\boxed{44} - 27 \blacktriangleright \boxed{17} - 8 \blacktriangleright \boxed{9}$$

$$\boxed{37} - 12 \blacktriangleright \boxed{25} - 6 \blacktriangleright \boxed{19}$$

$$\boxed{48} - 19 \blacktriangleright \boxed{29} - 17 \blacktriangleright \boxed{12}$$

$$\boxed{81} - 14 \blacktriangleright \boxed{67} - 38 \blacktriangleright \boxed{29}$$

$$\boxed{54} - 28 \blacktriangleright \boxed{26} - 17 \blacktriangleright \boxed{9}$$

**51** Dopln chybějící sčítance a menšence.

<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>
<u>39</u> + 12 = 51	<u>63</u> + 28 = 91	<u>32</u> - 24 = 8	<u>24</u> + 58 = 82
<u>27</u> + 14 = 41	<u>26</u> - 17 = 9	<u>25</u> + 73 = 98	<u>53</u> - 36 = 17
<u>54</u> - 18 = 36	<u>15</u> + 17 = 32	<u>54</u> - 15 = 39	<u>27</u> + 27 = 54
<u>72</u> - 13 = 59	<u>45</u> - 29 = 16	<u>36</u> + 35 = 71	<u>92</u> - 48 = 44
<u>26</u> + 46 = 72	<u>31</u> + 68 = 99	<u>81</u> - 53 = 28	<u>17</u> + 17 = 34
<u>52</u> - 14 = 38	<u>81</u> - 73 = 8	<u>32</u> - 17 = 15	<u>81</u> - 48 = 33
<u>35</u> + 27 = 62	<u>0</u> + 25 = 25	<u>35</u> + 57 = 92	<u>15</u> + 16 = 31
<u>33</u> - 15 = 18	<u>35</u> - 19 = 16	<u>86</u> - 48 = 38	<u>35</u> - 18 = 17
<u>63</u> - 35 = 28	<u>13</u> + 19 = 32	<u>26</u> + 46 = 72	<u>53</u> - 27 = 26
<u>28</u> + 18 = 46	<u>53</u> - 26 = 27	<u>19</u> + 22 = 41	<u>49</u> + 15 = 64

**52** Dopln správně tabulky.

<b>a</b>	38	16	28	49	15	47	28	19	18	16
+	34	77	25	48	29	15	28	35	78	29
=	72	93	53	97	44	62	56	54	96	45

<b>b</b>	91	82	45	48	100	81	62	82	54	63
·	64	46	6	16	47	42	15	59	28	35
=	27	36	39	32	53	39	47	23	26	28

<b>c</b>	19	37	16	19	2	17	29	36	47	35
+	24	15	19	32	46	39	33	47	24	58
=	43	52	35	51	48	56	62	83	71	93

## 4. Písemné sčítání a odčítání

M 3/2, str. 21–36

27

**53** Vypočítej a proved kontrolu záměnou sčítanců.

27	2	84	5	43	6	98	1
2	27	5	84	6	43	1	98
29	29	89	89	49	49	99	99
21	15	53	46	14	12	11	27
15	21	46	53	12	14	27	11
36	36	99	99	26	26	38	38
57	32	22	26	31	42	27	62
32	57	26	22	42	31	62	27
89	89	48	48	73	73	89	89

**54** Vypočítej.

23	66	36	75	81	45	92	51
46	23	62	14	4	24	6	34
69	89	98	89	85	69	98	85
33	87	94	28	62	54	73	41
33	12	3	61	27	22	16	47
66	99	97	89	89	76	89	88
57	46	76	95	27	85	24	65
41	13	22	4	41	14	24	33
98	59	98	99	68	99	48	98

**55** Vypočítej a proved kontrolu záměnou sčítanců.

28	32	42	18	33	47	65	25
32	28	18	42	47	33	25	65
60	60	60	60	80	80	90	90
46	4	87	13	24	16	54	36
4	46	13	87	16	24	36	54
50	50	100	100	40	40	90	90
35	55	51	9	72	28	66	14
55	35	9	51	28	72	14	66
90	90	60	60	100	100	80	80

**56** Vypočítej.

37	71	26	8	82	54	16	45
43	9	64	62	18	16	74	35
80	80	90	70	100	70	90	80
51	84	62	14	88	73	33	64
39	6	28	26	12	17	27	16
90	90	90	40	100	90	60	80
75	57	86	23	93	66	48	77
15	23	4	57	7	24	32	13
90	80	90	80	100	90	80	90

## 4. Písemné sčítání a odčítání

M 3/2, str. 21–36

29

### 57 Vypočítej.

47	77	53	80	21	92	36	66
33	12	16	18	36	8	23	14
80	89	69	98	57	100	59	80
52	22	79	35	91	48	93	65
26	53	11	44	6	42	5	14
78	75	90	79	97	90	98	79
34	78	51	82	64	49	81	23
62	12	18	16	13	41	11	14
96	90	69	98	77	90	92	37

### 58 Vypočítej a proved kontrolu záměnou sčítanců.

26	8	46	6	39	14	63	29
8	26	6	46	14	39	29	63
34	34	52	52	53	53	92	92
75	16	8	38	33	49	27	55
16	75	38	8	49	33	55	27
91	91	46	46	82	82	82	82
28	67	44	19	15	67	57	24
67	28	19	44	67	15	24	57
95	95	63	63	82	82	81	81

## 4. Písemné sčítání a odčítání

30

M 3/2, str. 21–36

**59** Vypočítej.

82	77	43	16	36	7	53	29
9	8	38	56	36	75	19	62
91	85	81	72	72	82	72	91
35	6	64	88	17	76	28	42
27	85	19	6	66	15	34	19
62	91	83	94	83	91	62	61
18	89	52	34	65	5	49	27
73	3	39	47	6	77	16	44
91	92	91	81	71	82	65	71

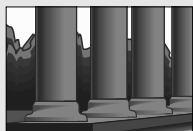
**60** Vypočítej.

23	64	80	47	79	51	49	20
38	26	14	34	11	29	38	64
61	90	94	81	90	80	87	84
65	21	78	81	48	66	52	34
30	45	16	7	32	23	29	26
95	66	94	88	80	89	81	60
36	63	93	22	77	50	35	82
60	29	7	49	16	28	35	7
96	92	100	71	93	78	70	89

## 4. Písemné sčítání a odčítání

M 3/2, str. 21–36

31



### 61 Zopakuj si.

<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>
$4 \cdot 6 = \underline{24}$	$30 : 6 = \underline{5}$	$54 : 6 = \underline{9}$	$24 : 3 = \underline{8}$
$36 : 4 = \underline{9}$	$6 \cdot 2 = \underline{12}$	$32 : 8 = \underline{4}$	$21 : 3 = \underline{7}$
$27 : 9 = \underline{3}$	$36 : 6 = \underline{6}$	$8 \cdot 3 = \underline{24}$	$16 : 2 = \underline{8}$
$9 \cdot 3 = \underline{27}$	$6 \cdot 9 = \underline{54}$	$21 : 7 = \underline{3}$	$7 \cdot 4 = \underline{28}$
$49 : 7 = \underline{7}$	$7 \cdot 8 = \underline{56}$	$28 : 4 = \underline{7}$	$42 : 7 = \underline{6}$
$6 \cdot 8 = \underline{48}$	$28 : 7 = \underline{4}$	$5 \cdot 6 = \underline{30}$	$7 \cdot 3 = \underline{21}$
$4 \cdot 9 = \underline{36}$	$42 : 6 = \underline{7}$	$5 \cdot 8 = \underline{40}$	$3 \cdot 9 = \underline{27}$
$72 : 9 = \underline{8}$	$7 \cdot 6 = \underline{42}$	$56 : 8 = \underline{7}$	$35 : 5 = \underline{7}$
$9 \cdot 9 = \underline{81}$	$35 : 7 = \underline{5}$	$7 \cdot 7 = \underline{49}$	$9 \cdot 6 = \underline{54}$
$24 : 6 = \underline{4}$	$5 \cdot 9 = \underline{45}$	$0 \cdot 4 = \underline{0}$	$8 \cdot 4 = \underline{32}$

### 62 Vypočítej.

$\begin{array}{r} 35 \\ 26 \\ \hline 61 \end{array}$	$\begin{array}{r} 27 \\ 35 \\ \hline 62 \end{array}$	$\begin{array}{r} 18 \\ 54 \\ \hline 72 \end{array}$	$\begin{array}{r} 65 \\ 17 \\ \hline 82 \end{array}$	$\begin{array}{r} 16 \\ 27 \\ \hline 43 \end{array}$	$\begin{array}{r} 29 \\ 23 \\ \hline 52 \end{array}$	$\begin{array}{r} 36 \\ 28 \\ \hline 64 \end{array}$	$\begin{array}{r} 76 \\ 18 \\ \hline 94 \end{array}$
$\begin{array}{r} 48 \\ 34 \\ \hline 82 \end{array}$	$\begin{array}{r} 19 \\ 43 \\ \hline 62 \end{array}$	$\begin{array}{r} 63 \\ 28 \\ \hline 91 \end{array}$	$\begin{array}{r} 73 \\ 27 \\ \hline 100 \end{array}$	$\begin{array}{r} 77 \\ 19 \\ \hline 96 \end{array}$	$\begin{array}{r} 52 \\ 39 \\ \hline 91 \end{array}$	$\begin{array}{r} 27 \\ 47 \\ \hline 74 \end{array}$	$\begin{array}{r} 38 \\ 7 \\ \hline 45 \end{array}$
$\begin{array}{r} 55 \\ 18 \\ \hline 73 \end{array}$	$\begin{array}{r} 28 \\ 28 \\ \hline 56 \end{array}$	$\begin{array}{r} 28 \\ 16 \\ \hline 44 \end{array}$	$\begin{array}{r} 38 \\ 46 \\ \hline 84 \end{array}$	$\begin{array}{r} 56 \\ 37 \\ \hline 93 \end{array}$	$\begin{array}{r} 47 \\ 35 \\ \hline 82 \end{array}$	$\begin{array}{r} 17 \\ 64 \\ \hline 81 \end{array}$	$\begin{array}{r} 15 \\ 67 \\ \hline 82 \end{array}$

**63** Zopakuj si.**a**

$45 : 5 = \underline{9}$

$5 \cdot 3 = \underline{15}$

$27 : 3 = \underline{9}$

$6 \cdot 6 = \underline{36}$

$63 : 9 = \underline{7}$

$8 \cdot 9 = \underline{72}$

$6 \cdot 7 = \underline{42}$

$54 : 9 = \underline{6}$

$30 : 5 = \underline{6}$

$9 \cdot 5 = \underline{45}$

**b**

$6 \cdot 5 = \underline{30}$

$42 : 7 = \underline{6}$

$9 \cdot 7 = \underline{63}$

$45 : 9 = \underline{5}$

$9 \cdot 8 = \underline{72}$

$32 : 8 = \underline{4}$

$8 \cdot 8 = \underline{64}$

$48 : 6 = \underline{8}$

$8 \cdot 5 = \underline{40}$

$24 : 4 = \underline{6}$

**c**

$7 \cdot 1 = \underline{7}$

$64 : 8 = \underline{8}$

$63 : 7 = \underline{9}$

$7 \cdot 9 = \underline{63}$

$40 : 5 = \underline{8}$

$7 \cdot 6 = \underline{42}$

$40 : 8 = \underline{5}$

$3 \cdot 7 = \underline{21}$

$28 : 7 = \underline{4}$

$9 \cdot 0 = \underline{0}$

**d**

$81 : 9 = \underline{9}$

$5 \cdot 4 = \underline{20}$

$48 : 8 = \underline{6}$

$72 : 8 = \underline{9}$

$5 \cdot 5 = \underline{25}$

$36 : 9 = \underline{4}$

$4 \cdot 8 = \underline{32}$

$25 : 5 = \underline{5}$

$5 \cdot 7 = \underline{35}$

$8 \cdot 6 = \underline{48}$

**64** Vypočítej.

26	17	66	44	53	6	52	69
9	35	26	19	18	29	44	12
35	52	92	63	71	35	96	81
43	8	19	35	37	39	19	22
17	24	49	6	22	52	38	49
60	32	68	41	59	91	57	71
56	14	26	58	36	45	62	59
37	42	34	28	15	35	24	35
93	56	60	86	51	80	86	94