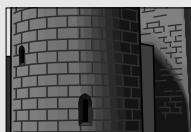


# 1. Písemné sčítání a odčítání

M 3/2, str. 21–36

1



## 1 Vypočítej. Kontrolu proved' pomocí sčítání.

$\begin{array}{r} 28 \\ -7 \\ \hline 21 \end{array}$	$\begin{array}{r} 21 \\ 7 \\ \hline 28 \end{array}$	$\begin{array}{r} 97 \\ -64 \\ \hline 33 \end{array}$	$\begin{array}{r} 33 \\ 64 \\ \hline 97 \end{array}$	$\begin{array}{r} 45 \\ -23 \\ \hline 22 \end{array}$	$\begin{array}{r} 22 \\ 23 \\ \hline 45 \end{array}$	$\begin{array}{r} 52 \\ -31 \\ \hline 21 \end{array}$	$\begin{array}{r} 21 \\ 31 \\ \hline 52 \end{array}$
$\begin{array}{r} 33 \\ -22 \\ \hline 11 \end{array}$	$\begin{array}{r} 11 \\ 22 \\ \hline 33 \end{array}$	$\begin{array}{r} 95 \\ -83 \\ \hline 12 \end{array}$	$\begin{array}{r} 12 \\ 83 \\ \hline 95 \end{array}$	$\begin{array}{r} 47 \\ -24 \\ \hline 23 \end{array}$	$\begin{array}{r} 23 \\ 24 \\ \hline 47 \end{array}$	$\begin{array}{r} 69 \\ -51 \\ \hline 18 \end{array}$	$\begin{array}{r} 18 \\ 51 \\ \hline 69 \end{array}$
$\begin{array}{r} 87 \\ -56 \\ \hline 31 \end{array}$	$\begin{array}{r} 31 \\ 56 \\ \hline 87 \end{array}$	$\begin{array}{r} 26 \\ -4 \\ \hline 22 \end{array}$	$\begin{array}{r} 22 \\ 4 \\ \hline 26 \end{array}$	$\begin{array}{r} 26 \\ -5 \\ \hline 21 \end{array}$	$\begin{array}{r} 21 \\ 5 \\ \hline 26 \end{array}$	$\begin{array}{r} 49 \\ -27 \\ \hline 22 \end{array}$	$\begin{array}{r} 22 \\ 27 \\ \hline 49 \end{array}$

## 2 Vypočítej.

$\begin{array}{r} 59 \\ -23 \\ \hline 36 \end{array}$	$\begin{array}{r} 75 \\ -41 \\ \hline 34 \end{array}$	$\begin{array}{r} 39 \\ -16 \\ \hline 23 \end{array}$	$\begin{array}{r} 98 \\ -72 \\ \hline 26 \end{array}$	$\begin{array}{r} 84 \\ -43 \\ \hline 41 \end{array}$	$\begin{array}{r} 54 \\ -22 \\ \hline 32 \end{array}$	$\begin{array}{r} 78 \\ -61 \\ \hline 17 \end{array}$	$\begin{array}{r} 64 \\ -51 \\ \hline 13 \end{array}$
$\begin{array}{r} 86 \\ -42 \\ \hline 44 \end{array}$	$\begin{array}{r} 28 \\ -17 \\ \hline 11 \end{array}$	$\begin{array}{r} 43 \\ -31 \\ \hline 12 \end{array}$	$\begin{array}{r} 37 \\ -36 \\ \hline 1 \end{array}$	$\begin{array}{r} 88 \\ -44 \\ \hline 44 \end{array}$	$\begin{array}{r} 65 \\ -32 \\ \hline 33 \end{array}$	$\begin{array}{r} 53 \\ -31 \\ \hline 22 \end{array}$	$\begin{array}{r} 62 \\ -11 \\ \hline 51 \end{array}$
$\begin{array}{r} 48 \\ -14 \\ \hline 34 \end{array}$	$\begin{array}{r} 32 \\ -12 \\ \hline 20 \end{array}$	$\begin{array}{r} 73 \\ -52 \\ \hline 21 \end{array}$	$\begin{array}{r} 87 \\ -65 \\ \hline 22 \end{array}$	$\begin{array}{r} 42 \\ -20 \\ \hline 22 \end{array}$	$\begin{array}{r} 55 \\ -34 \\ \hline 21 \end{array}$	$\begin{array}{r} 76 \\ -23 \\ \hline 53 \end{array}$	$\begin{array}{r} 95 \\ -14 \\ \hline 81 \end{array}$

# 1. Písemné sčítání a odčítání

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## 3 Vypočítej. Kontrolu proved' pomocí sčítání.

50	25	30	23	20	8	80	47
-25	25	-7	7	-12	12	-33	33
25	50	23	30	8	20	47	80
80	42	70	22	60	34	70	25
-38	38	-48	48	-26	26	-45	45
42	80	22	70	34	60	25	70
40	7	100	24	60	18	90	19
-33	33	-76	76	-42	42	-71	71
7	40	24	100	18	60	19	90

## 4 Vypočítej.

24	45	64	68	28	59	37	52
-13	-24	-51	-37	-13	-42	-14	-41
11	21	13	31	15	17	23	11
80	90	82	30	40	76	60	70
-45	-78	-61	-7	-28	-25	-11	-63
35	12	21	23	12	51	49	7
100	46	20	99	84	50	75	36
-87	-22	-9	-33	-42	-31	-22	-33
13	24	11	66	42	19	53	3

# 1. Písemné sčítání a odčítání

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3



## 5 Vypočítej a proved kontrolu.

37	28	86	79	56	47	71	68
-9	9	-7	7	-9	9	-3	3
28	37	79	86	47	56	68	71
96	88	23	19	67	59	35	28
-8	8	-4	4	-8	8	-7	7
88	96	19	23	59	67	28	35
63	55	91	82	22	15	83	77
-8	8	-9	9	-7	7	-6	6
55	63	82	91	15	22	77	83

## 6 Vypočítej. Kontrolu proved pomocí sčítání.

84	58	68	29	75	27	91	34
-26	26	-39	39	-48	48	-57	57
58	84	29	68	27	75	34	91
76	27	43	25	92	18	51	25
-49	49	-18	18	-74	74	-26	26
27	76	25	43	18	92	25	51
52	13	83	38	67	19	34	25
-39	39	-45	45	-48	48	-9	9
13	52	38	83	19	67	25	34

**7** Vypočítej. Kontrolu proved' pomocí sčítání.

46	28	34	27	78	39	94	48
-18	18	-7	7	-39	39	-46	46
<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
28	46	27	34	39	78	48	94
32	16	67	19	93	18	81	45
-16	16	-48	48	-75	75	-36	36
<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
16	32	19	67	18	93	45	81
55	9	92	66	80	43	72	19
-46	46	-26	26	-37	37	-53	53
<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
9	55	66	92	43	80	19	72

**8** Vypočítej.

47	42	69	74	27	75	29	65
15	-18	12	-36	45	-48	34	-47
<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
62	24	81	38	72	27	63	18
58	18	37	46	93	67	68	35
-29	56	19	8	-87	-48	-57	17
<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
29	74	56	54	6	19	11	52
46	98	79	12	60	29	19	16
39	-9	18	53	-48	37	43	76
<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
85	89	97	65	12	66	62	92

# 1. Písemné sčítání a odčítání

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## 9 Zopakuj si.

**a**

$$(7 \cdot 8) - (6 \cdot 5) = \underline{56 - 30 = 26}$$

$$(24 : 8) + (81 : 9) = \underline{12}$$

$$(9 \cdot 2) + (20 : 2) = \underline{28}$$

$$(54 : 9) + (7 \cdot 7) = \underline{55}$$

$$(4 \cdot 8) : (24 : 3) = \underline{4}$$

$$(56 : 8) + (10 \cdot 3) = \underline{37}$$

$$(42 : 6) \cdot (40 : 4) = \underline{70}$$

$$(8 \cdot 8) + (3 \cdot 9) = \underline{91}$$

$$(36 : 4) \cdot (54 : 6) = \underline{81}$$

$$(9 \cdot 9) - (5 \cdot 5) = \underline{56}$$

**b**

$$(5 \cdot 9) - (16 : 2) = \underline{37}$$

$$(6 \cdot 7) + (45 : 5) = \underline{51}$$

$$(16 : 4) + (4 \cdot 7) = \underline{32}$$

$$(64 : 8) + (8 \cdot 4) = \underline{40}$$

$$(49 : 7) \cdot (90 : 10) = \underline{63}$$

$$(48 : 6) \cdot (25 : 5) = \underline{40}$$

$$(3 \cdot 7) + (7 \cdot 9) = \underline{84}$$

$$(10 \cdot 9) - (6 \cdot 8) = \underline{42}$$

$$(8 \cdot 5) - (21 : 3) = \underline{33}$$

$$(2 \cdot 6) + (27 : 3) = \underline{21}$$

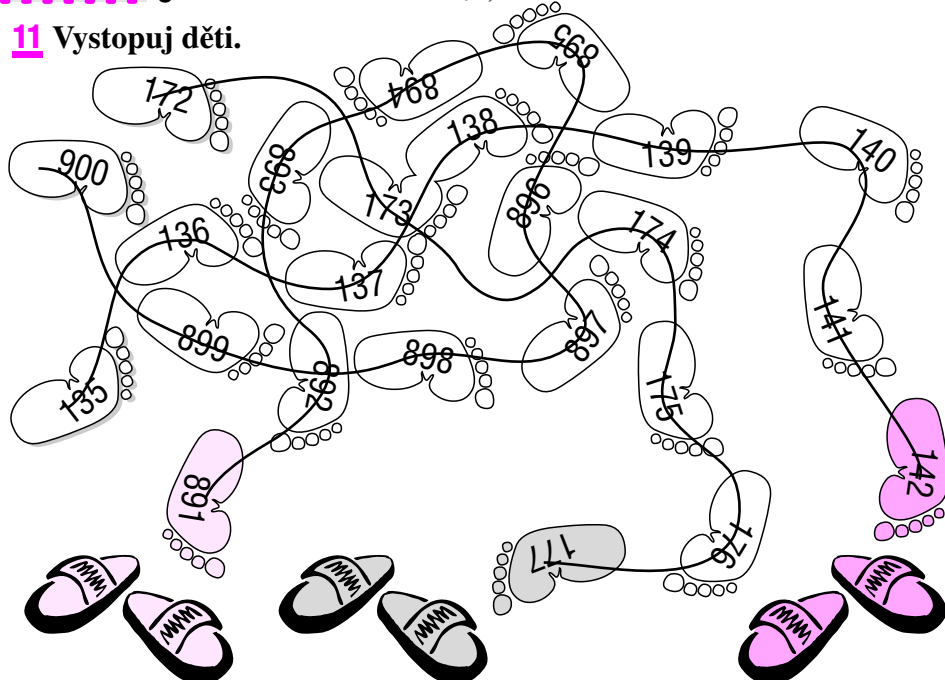
## 10 Vypočítej.

82	26	52	71	32	63	95	59
-45	55	-17	-62	39	19	-87	22
37	81	35	9	71	82	8	81

65	66	28	94	41	77	34	54
27	-13	53	-38	-31	8	26	-36
92	53	81	56	10	85	60	18

63	36	83	79	30	90	83	48
-47	36	-78	-73	45	-73	8	34
16	72	5	6	75	17	91	82

## 11 Vystopuj děti.



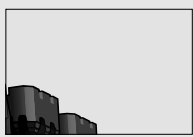
## 12 a) Doplň čísla o jednu větší a o jednu menší. b) Zapisuj čísla.

a

+1	↶	-1	+1	↶	-1
287	286	285	490	489	488
568	567	566	661	660	659
891	890	889	204	203	202
108	107	106	802	801	800
624	623	622	746	745	744
441	440	439	602	601	600
399	398	397	126	125	124
778	777	776	934	933	932
1000	999	998	510	509	508
401	400	399	344	343	342

b

stovky	desítky	jednotky	číslo
4	5	3	453
2	8	6	286
5	1	4	514
0	7	9	79
8	3	7	837
6	2	0	620
1	6	5	165
9	0	1	901
3	4	2	342
7	9	8	798

**13** Rozlož a zapiš čísla podle vzoru.**a**

$$182 = 1 \cdot 100 + 8 \cdot 10 + 2 \cdot 1$$

$$435 = 4 \cdot 100 + 3 \cdot 10 + 5 \cdot 1$$

$$642 = 6 \cdot 100 + 4 \cdot 10 + 2 \cdot 1$$

$$821 = 8 \cdot 100 + 2 \cdot 10 + 1 \cdot 1$$

$$483 = 4 \cdot 100 + 8 \cdot 10 + 3 \cdot 1$$

$$236 = 2 \cdot 100 + 3 \cdot 10 + 6 \cdot 1$$

$$943 = 9 \cdot 100 + 4 \cdot 10 + 3 \cdot 1$$

$$555 = 5 \cdot 100 + 5 \cdot 10 + 5 \cdot 1$$

$$711 = 7 \cdot 100 + 1 \cdot 10 + 1 \cdot 1$$

$$348 = 3 \cdot 100 + 4 \cdot 10 + 8 \cdot 1$$

**b**

$$409 = 4 \cdot 100 + 0 \cdot 10 + 9 \cdot 1$$

$$250 = 2 \cdot 100 + 5 \cdot 10 + 0 \cdot 1$$

$$617 = 6 \cdot 100 + 1 \cdot 10 + 7 \cdot 1$$

$$357 = 3 \cdot 100 + 5 \cdot 10 + 7 \cdot 1$$

$$924 = 9 \cdot 100 + 2 \cdot 10 + 4 \cdot 1$$

$$755 = 7 \cdot 100 + 5 \cdot 10 + 5 \cdot 1$$

$$107 = 1 \cdot 100 + 0 \cdot 10 + 7 \cdot 1$$

$$886 = 8 \cdot 100 + 8 \cdot 10 + 6 \cdot 1$$

$$568 = 5 \cdot 100 + 6 \cdot 10 + 8 \cdot 1$$

$$1000 = 10 \cdot 100 + 0 \cdot 10 + 0 \cdot 1$$

**14** Hledej „vetřelce“. Škrtni čísla, která do řad nepatří.

30	40	50	<del>55</del>	60	70	80	90	100	200
----	----	----	---------------	----	----	----	----	-----	-----

95	96	97	98	99	100	101	102	103	<del>114</del>
----	----	----	----	----	-----	-----	-----	-----	----------------

1000	900	800	700	600	500	400	<del>350</del>	300	200
------	-----	-----	-----	-----	-----	-----	----------------	-----	-----

310	320	330	340	350	360	<del>381</del>	370	380	390
-----	-----	-----	-----	-----	-----	----------------	-----	-----	-----

510	509	508	507	506	<del>580</del>	505	504	503	502
-----	-----	-----	-----	-----	----------------	-----	-----	-----	-----

831	<del>813</del>	832	833	834	835	836	837	838	839
-----	----------------	-----	-----	-----	-----	-----	-----	-----	-----

550	540	530	520	510	500	490	480	470	460
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

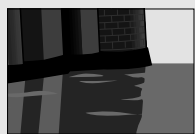
**15** Zopakuj si. Vypočítej a proved' kontrolu.

35	74	67	93	54	38	92	24
39	-39	26	-26	-16	16	-68	68
74	35	93	67	38	54	24	92
26	9	32	4	16	53	59	77
-17	17	-28	28	37	-37	16	-16
9	26	4	32	53	16	77	59
47	65	38	9	67	100	66	48
18	-18	-29	29	33	-33	-18	18
65	47	9	38	100	67	48	66

**16** Vypočítej.

49	64	28	90	62	54	46	58
28	-15	19	-33	29	-39	18	36
77	49	47	57	91	15	64	94
100	65	43	65	58	94	72	29
-29	27	39	-18	13	-37	-18	52
71	92	82	47	71	57	54	81
28	35	53	98	85	76	27	26
63	29	-36	-35	-56	-28	15	43
91	64	17	63	29	48	42	69



**17** Počítej v řádcích a zapisuj výsledky.

$1 + 2 = \underline{3}$	⇒	$10 + 20 = \underline{30}$	⇒	$100 + 200 = \underline{300}$
$2 + 3 = \underline{5}$	⇒	$20 + 30 = \underline{50}$	⇒	$200 + 300 = \underline{500}$
$4 - 4 = \underline{0}$	⇒	$40 - 40 = \underline{0}$	⇒	$400 - 400 = \underline{0}$
$5 + 3 = \underline{8}$	⇒	$50 + 30 = \underline{80}$	⇒	$500 + 300 = \underline{800}$
$3 + 7 = \underline{10}$	⇒	$30 + 70 = \underline{100}$	⇒	$300 + 700 = \underline{1000}$
$4 - 3 = \underline{1}$	⇒	$40 - 30 = \underline{10}$	⇒	$400 - 300 = \underline{100}$
$8 - 6 = \underline{2}$	⇒	$80 - 60 = \underline{20}$	⇒	$800 - 600 = \underline{200}$
$7 + 1 = \underline{8}$	⇒	$70 + 10 = \underline{80}$	⇒	$700 + 100 = \underline{800}$
$9 - 4 = \underline{5}$	⇒	$90 - 40 = \underline{50}$	⇒	$900 - 400 = \underline{500}$
$10 - 2 = \underline{8}$	⇒	$100 - 20 = \underline{80}$	⇒	$1000 - 200 = \underline{800}$

**18** Vypočítej.

<b>a</b>	<b>b</b>	<b>c</b>
$100 + 300 = \underline{400}$	$400 + 500 = \underline{900}$	$300 + 400 + 100 = \underline{800}$
$600 - 200 = \underline{400}$	$700 - 600 = \underline{100}$	$500 - 200 - 300 = \underline{0}$
$200 + 400 = \underline{600}$	$200 + 300 = \underline{500}$	$200 + 300 - 400 = \underline{100}$
$800 - 400 = \underline{400}$	$500 - 300 = \underline{200}$	$600 + 100 - 200 = \underline{500}$
$400 + 100 = \underline{500}$	$500 + 400 = \underline{900}$	$700 - 100 + 200 = \underline{800}$
$500 - 400 = \underline{100}$	$800 - 500 = \underline{300}$	$700 + 200 - 400 = \underline{500}$
$700 - 100 = \underline{600}$	$600 - 300 = \underline{300}$	$500 - 100 + 500 = \underline{900}$
$300 + 300 = \underline{600}$	$100 + 500 = \underline{600}$	$900 - 500 + 100 = \underline{500}$
$900 - 800 = \underline{100}$	$900 - 200 = \underline{700}$	$1000 - 700 + 300 = \underline{600}$
$500 + 200 = \underline{700}$	$300 + 600 = \underline{900}$	$800 - 300 + 200 = \underline{700}$

**19** Počítej v řádcích a zapisuj výsledky.**a**

$53 + 4 = 57 \quad \Rightarrow \quad 530 + 40 = 570$

$33 + 3 = 36 \quad \Rightarrow \quad 330 + 30 = 360$

$64 + 5 = 69 \quad \Rightarrow \quad 640 + 50 = 690$

$21 + 6 = 27 \quad \Rightarrow \quad 210 + 60 = 270$

$92 + 4 = 96 \quad \Rightarrow \quad 920 + 40 = 960$

$83 + 6 = 89 \quad \Rightarrow \quad 830 + 60 = 890$

$42 + 5 = 47 \quad \Rightarrow \quad 420 + 50 = 470$

$78 + 1 = 79 \quad \Rightarrow \quad 780 + 10 = 790$

$17 + 2 = 19 \quad \Rightarrow \quad 170 + 20 = 190$

$51 + 9 = 60 \quad \Rightarrow \quad 510 + 90 = 600$

**b**

$68 - 5 = 63 \quad \Rightarrow \quad 680 - 50 = 630$

$46 - 2 = 44 \quad \Rightarrow \quad 460 - 20 = 440$

$79 - 8 = 71 \quad \Rightarrow \quad 790 - 80 = 710$

$24 - 3 = 21 \quad \Rightarrow \quad 240 - 30 = 210$

$98 - 1 = 97 \quad \Rightarrow \quad 980 - 10 = 970$

$85 - 2 = 83 \quad \Rightarrow \quad 850 - 20 = 830$

$19 - 6 = 13 \quad \Rightarrow \quad 190 - 60 = 130$

$58 - 4 = 54 \quad \Rightarrow \quad 580 - 40 = 540$

$37 - 5 = 32 \quad \Rightarrow \quad 370 - 50 = 320$

$66 - 6 = 60 \quad \Rightarrow \quad 660 - 60 = 600$

**20** Vypočítej řetězce.

$200 + 300 \rightarrow 500 - 400 \rightarrow 100 + 600 \rightarrow 700 - 200 \rightarrow 500 - 100 \rightarrow 400$

$700 - 300 \rightarrow 400 - 200 \rightarrow 200 + 600 \rightarrow 800 - 700 \rightarrow 100 + 400 \rightarrow 500$

$800 - 30 \rightarrow 770 + 10 \rightarrow 780 - 60 \rightarrow 720 + 50 \rightarrow 770 + 20 \rightarrow 790$

$580 + 10 \rightarrow 590 - 80 \rightarrow 510 + 50 \rightarrow 560 + 40 \rightarrow 600 - 30 \rightarrow 570$

$350 + 20 \rightarrow 370 + 20 \rightarrow 390 - 60 \rightarrow 330 - 30 \rightarrow 300 - 200 \rightarrow 100$

$640 + 60 \rightarrow 700 - 500 \rightarrow 200 - 50 \rightarrow 150 + 20 \rightarrow 170 - 60 \rightarrow 110$

$1000 - 600 \rightarrow 400 - 80 \rightarrow 320 \quad \rightarrow \quad \rightarrow + 40 \rightarrow \quad \rightarrow + 70 \rightarrow \quad$

### 3. Sčítání a odčítání v oboru do 1 000

M 3/3, str. 3–22

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**21** Vypočítej. (Vzor:  $290 + 30 = (290 + 10) + 20 = 320$ )

<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>
$190 + 40 = 230$	$530 + 90 = 620$	$580 - 90 = 490$	$130 - 40 = 90$
$220 + 90 = 310$	$780 + 70 = 850$	$140 - 60 = 80$	$250 - 60 = 190$
$580 + 90 = 670$	$790 + 80 = 870$	$470 - 80 = 390$	$230 - 60 = 170$
$670 + 70 = 740$	$130 + 80 = 210$	$850 - 70 = 780$	$740 - 70 = 670$
$140 + 80 = 220$	$740 + 80 = 820$	$220 - 90 = 130$	$460 - 90 = 370$
$320 + 90 = 410$	$270 + 60 = 330$	$120 - 90 = 30$	$980 - 90 = 890$
$360 + 60 = 420$	$850 + 60 = 910$	$340 - 50 = 290$	$830 - 70 = 760$
$630 + 80 = 710$	$180 + 70 = 250$	$840 - 70 = 770$	$940 - 60 = 880$
$470 + 50 = 520$	$430 + 90 = 520$	$680 - 90 = 590$	$720 - 50 = 670$
$890 + 50 = 940$	$650 + 80 = 730$	$530 - 50 = 480$	$670 - 90 = 580$

**22** Dopln chybějící sčítance a menšitele.

<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>
$30 + 580 = 610$	$80 + 480 = 560$	$360 - 290 = 70$	$340 - 260 = 80$
$20 + 390 = 410$	$80 + 290 = 370$	$980 - 890 = 90$	$420 - 350 = 70$
$90 + 190 = 280$	$70 + 880 = 950$	$170 - 80 = 90$	$760 - 670 = 90$
$90 + 380 = 470$	$70 + 570 = 640$	$740 - 690 = 50$	$940 - 890 = 50$
$20 + 190 = 210$	$80 + 840 = 920$	$170 - 90 = 80$	$820 - 790 = 30$
$60 + 780 = 840$	$50 + 180 = 230$	$350 - 310 = 40$	$180 - 180 = 0$
$20 + 490 = 510$	$80 + 190 = 270$	$750 - 670 = 80$	$680 - 590 = 90$
$90 + 650 = 740$	$30 + 880 = 910$	$630 - 540 = 90$	$730 - 650 = 80$
$60 + 270 = 330$	$90 + 790 = 880$	$910 - 890 = 20$	$530 - 460 = 70$
$40 + 180 = 220$	$30 + 480 = 510$	$930 - 840 = 90$	$880 - 790 = 90$

**23** Sčítej podle vzoru.

<p><b>a</b></p> $\begin{array}{ccccccc} \boxed{480} & + & \boxed{390} & = & \boxed{870} & & \\ \downarrow & & \downarrow & & \uparrow & & \\ +300 & \triangleright & \boxed{780} & \triangleright & +20 & \triangleright & \boxed{800} & \triangleright & +70 & \triangleright & \boxed{870} \end{array}$	<p><b>b</b></p> $\begin{array}{ccccccc} \boxed{230} & + & \boxed{480} & = & \boxed{710} & & \\ \downarrow & & \downarrow & & \uparrow & & \\ +400 & \triangleright & \boxed{630} & \triangleright & +70 & \triangleright & \boxed{700} & \triangleright & +10 & \triangleright & \boxed{710} \end{array}$
$\begin{array}{ccccccc} \boxed{540} & + & \boxed{290} & = & \boxed{830} & & \\ \downarrow & & \downarrow & & \uparrow & & \\ +200 & \triangleright & \boxed{740} & \triangleright & +60 & \triangleright & \boxed{800} & \triangleright & +30 & \triangleright & \boxed{830} \end{array}$	$\begin{array}{ccccccc} \boxed{640} & + & \boxed{190} & = & \boxed{830} & & \\ \downarrow & & \downarrow & & \uparrow & & \\ +100 & \triangleright & \boxed{740} & \triangleright & +60 & \triangleright & \boxed{800} & \triangleright & +30 & \triangleright & \boxed{830} \end{array}$
$\begin{array}{ccccccc} \boxed{450} & + & \boxed{260} & = & \boxed{710} & & \\ \downarrow & & \downarrow & & \uparrow & & \\ +200 & \triangleright & \boxed{650} & \triangleright & +50 & \triangleright & \boxed{700} & \triangleright & +10 & \triangleright & \boxed{710} \end{array}$	$\begin{array}{ccccccc} \boxed{440} & + & \boxed{380} & = & \boxed{820} & & \\ \downarrow & & \downarrow & & \uparrow & & \\ +300 & \triangleright & \boxed{740} & \triangleright & +60 & \triangleright & \boxed{800} & \triangleright & +20 & \triangleright & \boxed{820} \end{array}$
$\begin{array}{ccccccc} \boxed{360} & + & \boxed{450} & = & \boxed{810} & & \\ \downarrow & & \downarrow & & \uparrow & & \\ +400 & \triangleright & \boxed{760} & \triangleright & +40 & \triangleright & \boxed{800} & \triangleright & +10 & \triangleright & \boxed{810} \end{array}$	$\begin{array}{ccccccc} \boxed{590} & + & \boxed{270} & = & \boxed{860} & & \\ \downarrow & & \downarrow & & \uparrow & & \\ +200 & \triangleright & \boxed{790} & \triangleright & +10 & \triangleright & \boxed{800} & \triangleright & +60 & \triangleright & \boxed{860} \end{array}$
$\begin{array}{ccccccc} \boxed{350} & + & \boxed{460} & = & \boxed{810} & & \\ \downarrow & & \downarrow & & \uparrow & & \\ +400 & \triangleright & \boxed{750} & \triangleright & +50 & \triangleright & \boxed{800} & \triangleright & +10 & \triangleright & \boxed{810} \end{array}$	$\begin{array}{ccccccc} \boxed{290} & + & \boxed{420} & = & \boxed{710} & & \\ \downarrow & & \downarrow & & \uparrow & & \\ +400 & \triangleright & \boxed{690} & \triangleright & +10 & \triangleright & \boxed{700} & \triangleright & +10 & \triangleright & \boxed{710} \end{array}$

**24** Vypočítej.

<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>
$120 + 790 = \underline{910}$	$360 + 570 = \underline{930}$	$420 + 390 = \underline{810}$	$890 + 80 = \underline{970}$
$680 + 190 = \underline{870}$	$350 + 430 = \underline{780}$	$270 + 120 = \underline{390}$	$730 + 190 = \underline{920}$
$840 + 130 = \underline{970}$	$450 + 220 = \underline{670}$	$630 + 280 = \underline{910}$	$240 + 650 = \underline{890}$
$770 + 110 = \underline{880}$	$630 + 210 = \underline{840}$	$570 + 320 = \underline{890}$	$340 + 330 = \underline{670}$
$530 + 150 = \underline{680}$	$760 + 230 = \underline{990}$	$410 + 460 = \underline{870}$	$240 + 580 = \underline{820}$

**25** Odčítej podle vzoru.**a**

$$\begin{array}{c} \boxed{860} \quad \cdot \quad \boxed{370} \quad = \quad \boxed{490} \\ \downarrow \quad \swarrow \quad \downarrow \quad \searrow \\ \boxed{-300} \rightarrow \boxed{560} \rightarrow \boxed{-60} \rightarrow \boxed{500} \rightarrow \boxed{-10} \end{array}$$

$$\begin{array}{c} \boxed{420} \quad \cdot \quad \boxed{240} \quad = \quad \boxed{180} \\ \downarrow \quad \swarrow \quad \downarrow \quad \searrow \\ \boxed{-200} \rightarrow \boxed{220} \rightarrow \boxed{-20} \rightarrow \boxed{200} \rightarrow \boxed{-20} \end{array}$$

$$\begin{array}{c} \boxed{980} \quad \cdot \quad \boxed{830} \quad = \quad \boxed{150} \\ \downarrow \quad \swarrow \quad \downarrow \quad \searrow \\ \boxed{-800} \rightarrow \boxed{180} \rightarrow \boxed{-30} \rightarrow \boxed{\phantom{000}} \rightarrow \boxed{\phantom{000}} \end{array}$$

$$\begin{array}{c} \boxed{230} \quad \cdot \quad \boxed{180} \quad = \quad \boxed{50} \\ \downarrow \quad \swarrow \quad \downarrow \quad \searrow \\ \boxed{-100} \rightarrow \boxed{130} \rightarrow \boxed{-30} \rightarrow \boxed{100} \rightarrow \boxed{-50} \end{array}$$

$$\begin{array}{c} \boxed{550} \quad \cdot \quad \boxed{160} \quad = \quad \boxed{390} \\ \downarrow \quad \swarrow \quad \downarrow \quad \searrow \\ \boxed{-100} \rightarrow \boxed{450} \rightarrow \boxed{-50} \rightarrow \boxed{400} \rightarrow \boxed{-10} \end{array}$$

**b**

$$\begin{array}{c} \boxed{510} \quad \cdot \quad \boxed{470} \quad = \quad \boxed{40} \\ \downarrow \quad \swarrow \quad \downarrow \quad \searrow \\ \boxed{-400} \rightarrow \boxed{110} \rightarrow \boxed{-10} \rightarrow \boxed{100} \rightarrow \boxed{-60} \end{array}$$

$$\begin{array}{c} \boxed{480} \quad \cdot \quad \boxed{390} \quad = \quad \boxed{90} \\ \downarrow \quad \swarrow \quad \downarrow \quad \searrow \\ \boxed{-300} \rightarrow \boxed{180} \rightarrow \boxed{-80} \rightarrow \boxed{100} \rightarrow \boxed{-10} \end{array}$$

$$\begin{array}{c} \boxed{730} \quad \cdot \quad \boxed{640} \quad = \quad \boxed{90} \\ \downarrow \quad \swarrow \quad \downarrow \quad \searrow \\ \boxed{-600} \rightarrow \boxed{130} \rightarrow \boxed{-30} \rightarrow \boxed{100} \rightarrow \boxed{-10} \end{array}$$

$$\begin{array}{c} \boxed{680} \quad \cdot \quad \boxed{290} \quad = \quad \boxed{390} \\ \downarrow \quad \swarrow \quad \downarrow \quad \searrow \\ \boxed{-200} \rightarrow \boxed{480} \rightarrow \boxed{-80} \rightarrow \boxed{400} \rightarrow \boxed{-10} \end{array}$$

$$\begin{array}{c} \boxed{520} \quad \cdot \quad \boxed{430} \quad = \quad \boxed{90} \\ \downarrow \quad \swarrow \quad \downarrow \quad \searrow \\ \boxed{-400} \rightarrow \boxed{120} \rightarrow \boxed{-20} \rightarrow \boxed{100} \rightarrow \boxed{-10} \end{array}$$

**26** Vypočítej.**a**

660 - 440 = 220

690 - 180 = 510

440 - 310 = 130

950 - 840 = 110

580 - 120 = 460

**b**

370 - 190 = 180

670 - 410 = 260

990 - 870 = 120

670 - 410 = 260

370 - 190 = 180

**c**

650 - 240 = 410

220 - 160 = 60

720 - 510 = 210

360 - 250 = 110

970 - 150 = 820

**d**

960 - 570 = 390

450 - 170 = 280

240 - 150 = 90

330 - 280 = 50

690 - 480 = 210

**27** Vypočítej. Kontrolu proved' pomocí sčítání.

$$\text{Vzor: } 106 - 7 = (106 - 6) - 1 = 99$$

$$104 - 8 = \underline{96} \quad \underline{96 + 8 = 104}$$

$$207 - 9 = \underline{198} \quad \underline{198 + 9 = 207}$$

$$408 - 9 = \underline{399} \quad \underline{399 + 9 = 408}$$

$$802 - 4 = \underline{798} \quad \underline{798 + 4 = 802}$$

$$906 - 7 = \underline{899} \quad \underline{899 + 7 = 906}$$

$$302 - 6 = \underline{296} \quad \underline{296 + 6 = 302}$$

$$704 - 5 = \underline{699} \quad \underline{699 + 5 = 704}$$

$$106 - 8 = \underline{98} \quad \underline{98 + 8 = 106}$$

$$202 - 4 = \underline{198} \quad \underline{198 + 4 = 202}$$

$$901 - 2 = \underline{899} \quad \underline{899 + 2 = 901}$$

$$248 - 9 = \underline{239} \quad \underline{239 + 9 = 248}$$

$$386 - 7 = \underline{379} \quad \underline{379 + 7 = 386}$$

$$512 - 4 = \underline{508} \quad \underline{508 + 4 = 512}$$

$$721 - 5 = \underline{716} \quad \underline{716 + 5 = 721}$$

$$983 - 8 = \underline{975} \quad \underline{975 + 8 = 983}$$

$$212 - 6 = \underline{206} \quad \underline{206 + 6 = 212}$$

$$428 - 9 = \underline{419} \quad \underline{419 + 9 = 428}$$

$$636 - 7 = \underline{629} \quad \underline{629 + 7 = 636}$$

$$740 - 4 = \underline{736} \quad \underline{736 + 4 = 740}$$

$$193 - 5 = \underline{188} \quad \underline{188 + 5 = 193}$$

$$931 - 2 = \underline{929} \quad \underline{929 + 2 = 931}$$

**28** Vypočítej řetězce.

$$\begin{array}{c} \boxed{364} \\ -5 \quad \boxed{359} \\ -8 \quad \boxed{351} \\ -6 \quad \boxed{345} \end{array}$$

$$\begin{array}{c} \boxed{796} \\ -8 \quad \boxed{788} \\ -5 \quad \boxed{783} \\ -4 \quad \boxed{779} \end{array}$$

$$\begin{array}{c} \boxed{251} \\ -5 \quad \boxed{246} \\ -4 \quad \boxed{242} \\ -7 \quad \boxed{235} \end{array}$$

$$\begin{array}{c} \boxed{488} \\ -5 \quad \boxed{483} \\ -9 \quad \boxed{474} \\ -3 \quad \boxed{471} \end{array}$$

$$\begin{array}{c} \boxed{523} \\ -6 \quad \boxed{517} \\ -8 \quad \boxed{509} \\ -1 \quad \boxed{508} \end{array}$$

$$\begin{array}{c} \boxed{474} \\ -7 \quad \boxed{467} \\ -6 \quad \boxed{461} \\ -9 \quad \boxed{452} \end{array}$$

$$\begin{array}{c} \boxed{712} \\ -9 \quad \boxed{703} \\ -4 \quad \boxed{699} \\ -8 \quad \boxed{691} \end{array}$$



### 29 Počítej a doplňuj tabulky podle vzoru.

**a**

	2	5	1	9	0	10	3	7	4	8	6
<b>- 1</b>	2	5	1	9	0	10	3	7	4	8	6
<b>- 10</b>	20	50	10	90	0	100	30	70	40	80	60

**b**

	4	7	3	8	10	1	9	0	6	2	5
<b>- 2</b>	8	14	6	16	20	2	18	0	12	4	10
<b>- 20</b>	80	140	60	160	200	20	180	0	120	40	100

**c**

	6	5	10	3	7	2	8	0	9	1	4
<b>- 3</b>	18	15	30	9	21	6	24	0	27	3	12
<b>- 30</b>	180	150	300	90	210	60	240	0	270	30	120

**d**

	2	6	0	5	1	8	9	3	7	4	10
<b>- 4</b>	8	24	0	20	4	32	36	12	28	16	40
<b>- 40</b>	80	240	0	200	40	320	360	120	280	160	400

**e**

	5	9	3	4	10	0	6	1	2	7	8
<b>- 5</b>	25	45	15	20	50	0	30	5	10	35	40
<b>- 50</b>	250	450	150	200	500	0	300	50	100	350	400

### 30 Vypočítej. Kontrolu proved' na volný list papíru pomocí sčítání.

<b>a</b>	$4 \cdot 10 = \underline{40}$	$7 \cdot 10 = \underline{70}$	<b>b</b>	$5 \cdot 100 = \underline{500}$	$0 \cdot 100 = \underline{0}$
	$8 \cdot 10 = \underline{80}$	$3 \cdot 10 = \underline{30}$		$9 \cdot 100 = \underline{900}$	$8 \cdot 100 = \underline{800}$
	$10 \cdot 10 = \underline{100}$	$6 \cdot 10 = \underline{60}$		$1 \cdot 100 = \underline{100}$	$7 \cdot 100 = \underline{700}$
	$2 \cdot 10 = \underline{20}$	$9 \cdot 10 = \underline{90}$		$6 \cdot 100 = \underline{600}$	$10 \cdot 100 = \underline{1000}$
	$5 \cdot 10 = \underline{50}$	$1 \cdot 10 = \underline{10}$		$4 \cdot 100 = \underline{400}$	$3 \cdot 100 = \underline{300}$

**31** Počítej v řádcích a zapisuj výsledky.

$12 : 2 = \underline{6} \quad \Rightarrow \quad 120 : 2 = \underline{60}$

$9 : 3 = \underline{3} \quad \Rightarrow \quad 90 : 3 = \underline{30}$

$10 : 1 = \underline{10} \quad \Rightarrow \quad 100 : 1 = \underline{100}$

$16 : 4 = \underline{4} \quad \Rightarrow \quad 160 : 4 = \underline{40}$

$10 : 5 = \underline{2} \quad \Rightarrow \quad 100 : 5 = \underline{20}$

$15 : 3 = \underline{5} \quad \Rightarrow \quad 150 : 3 = \underline{50}$

$35 : 5 = \underline{7} \quad \Rightarrow \quad 350 : 5 = \underline{70}$

$36 : 4 = \underline{9} \quad \Rightarrow \quad 360 : 4 = \underline{90}$

$8 : 2 = \underline{4} \quad \Rightarrow \quad 80 : 2 = \underline{40}$

$25 : 5 = \underline{5} \quad \Rightarrow \quad 250 : 5 = \underline{50}$

$21 : 3 = \underline{7} \quad \Rightarrow \quad 210 : 3 = \underline{70}$

$24 : 4 = \underline{6} \quad \Rightarrow \quad 240 : 4 = \underline{60}$

$32 : 4 = \underline{8} \quad \Rightarrow \quad 320 : 4 = \underline{80}$

$6 : 1 = \underline{6} \quad \Rightarrow \quad 60 : 1 = \underline{60}$

$6 : 3 = \underline{2} \quad \Rightarrow \quad 60 : 3 = \underline{20}$

$16 : 2 = \underline{8} \quad \Rightarrow \quad 160 : 2 = \underline{80}$

$40 : 5 = \underline{8} \quad \Rightarrow \quad 400 : 5 = \underline{80}$

$30 : 5 = \underline{6} \quad \Rightarrow \quad 300 : 5 = \underline{60}$

$28 : 4 = \underline{7} \quad \Rightarrow \quad 280 : 4 = \underline{70}$

$18 : 3 = \underline{6} \quad \Rightarrow \quad 180 : 3 = \underline{60}$

$20 : 2 = \underline{10} \quad \Rightarrow \quad 200 : 2 = \underline{100}$

**32** Vypočítej.

**a**

$240 : 3 = \underline{80}$

$80 : 4 = \underline{20}$

$90 : 3 = \underline{30}$

$200 : 2 = \underline{100}$

$240 : 4 = \underline{60}$

$210 : 3 = \underline{70}$

$100 : 5 = \underline{20}$

$180 : 2 = \underline{90}$

$400 : 5 = \underline{80}$

$280 : 4 = \underline{70}$

$800 : 10 = \underline{80}$

$160 : 2 = \underline{80}$

$500 : 5 = \underline{100}$

$120 : 3 = \underline{40}$

$250 : 5 = \underline{50}$

$320 : 4 = \underline{80}$

$140 : 2 = \underline{70}$

$50 : 5 = \underline{10}$

$270 : 3 = \underline{90}$

$360 : 4 = \underline{90}$

$120 : 2 = \underline{60}$

**b**

$40 : 4 = \underline{10}$

$120 : 4 = \underline{30}$

$150 : 3 = \underline{50}$

$40 : 2 = \underline{20}$

$20 : 4 = \underline{5}$

$350 : 7 = \underline{50}$

$160 : 8 = \underline{20}$

$180 : 2 = \underline{90}$

$300 : 5 = \underline{60}$

$150 : 10 = \underline{15}$

$200 : 5 = \underline{40}$

$300 : 3 = \underline{100}$

$400 : 8 = \underline{50}$

$200 : 2 = \underline{100}$

$80 : 5 = \underline{16}$

$60 : 4 = \underline{15}$

$100 : 2 = \underline{50}$

$1000 : 4 = \underline{250}$

$300 : 2 = \underline{150}$

$450 : 5 = \underline{90}$

$75 : 3 = \underline{25}$



## 4. Násobení a dělení v oboru do 1 000

M 3/3, str. 26–46

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### 33 Počítej a doplňuj tabulky podle vzoru.

**a**

	4	8	0	9	1	10	2	6	3	7	5
<b>· 6</b>	24	48	0	54	6	60	12	36	18	42	30
<b>· 60</b>	240	480	0	540	60	600	120	360	180	420	300

**b**

	5	3	7	2	6	1	8	0	10	9	4
<b>· 7</b>	35	21	49	14	42	7	56	0	70	63	28
<b>· 70</b>	350	210	490	140	420	70	560	0	700	630	280

**c**

	1	7	0	9	2	6	8	3	5	10	4
<b>· 8</b>	8	56	0	72	16	48	64	24	40	80	32
<b>· 80</b>	80	560	0	720	160	480	640	240	400	800	320

**d**

	6	2	3	10	4	9	5	8	1	7	0
<b>· 9</b>	54	18	27	90	36	81	45	72	9	63	0
<b>· 90</b>	540	180	270	900	360	810	450	720	90	630	0

### 34 Doplň znaménka >, <, =.

$$4 \cdot 60 \stackrel{240}{=} 3 \cdot 80 \quad 6 \cdot 30 > 2 \cdot 70 \quad 9 \cdot 40 < 8 \cdot 50$$

$$8 \cdot 20 \stackrel{160}{=} 4 \cdot 40 \quad 7 \cdot 50 > 8 \cdot 40 \quad 3 \cdot 60 = 2 \cdot 90$$

$$4 \cdot 90 < 7 \cdot 60 \quad 7 \cdot 40 > 5 \cdot 50 \quad 9 \cdot 60 < 8 \cdot 70$$

$$9 \cdot 20 \stackrel{180}{=} 6 \cdot 30 \quad 9 \cdot 30 < 4 \cdot 70 \quad 5 \cdot 80 > 9 \cdot 30$$

$$4 \cdot 80 > 7 \cdot 40 \quad 8 \cdot 40 < 7 \cdot 70 \quad 4 \cdot 50 < 8 \cdot 40$$

**35** Počítej v řádcích a zapisuj výsledky.

$12 : 6 = \underline{2} \Rightarrow 120 : 6 = \underline{20}$

$35 : 7 = \underline{5} \Rightarrow 350 : 7 = \underline{50}$

$16 : 8 = \underline{2} \Rightarrow 160 : 8 = \underline{20}$

$63 : 7 = \underline{9} \Rightarrow 630 : 7 = \underline{90}$

$18 : 9 = \underline{2} \Rightarrow 180 : 9 = \underline{20}$

$48 : 8 = \underline{6} \Rightarrow 480 : 8 = \underline{60}$

$54 : 9 = \underline{6} \Rightarrow 540 : 9 = \underline{60}$

$48 : 6 = \underline{8} \Rightarrow 480 : 6 = \underline{80}$

$81 : 9 = \underline{9} \Rightarrow 810 : 9 = \underline{90}$

$72 : 8 = \underline{9} \Rightarrow 720 : 8 = \underline{90}$

$72 : 9 = \underline{8} \Rightarrow 720 : 9 = \underline{80}$

$14 : 7 = \underline{2} \Rightarrow 140 : 7 = \underline{20}$

$56 : 8 = \underline{7} \Rightarrow 560 : 8 = \underline{70}$

$36 : 9 = \underline{4} \Rightarrow 360 : 9 = \underline{40}$

$30 : 6 = \underline{5} \Rightarrow 300 : 6 = \underline{50}$

$63 : 9 = \underline{7} \Rightarrow 630 : 9 = \underline{70}$

$80 : 8 = \underline{10} \Rightarrow 800 : 8 = \underline{100}$

$56 : 7 = \underline{8} \Rightarrow 560 : 7 = \underline{80}$

$40 : 8 = \underline{5} \Rightarrow 400 : 8 = \underline{50}$

$70 : 7 = \underline{10} \Rightarrow 700 : 7 = \underline{100}$

$54 : 6 = \underline{9} \Rightarrow 540 : 6 = \underline{90}$

**36** Vypočítej.

**a**

$420 : 7 = \underline{60}$

$270 : 9 = \underline{30}$

$60 : 6 = \underline{10}$

$280 : 4 = \underline{70}$

$240 : 8 = \underline{30}$

$500 : 10 = \underline{50}$

$450 : 5 = \underline{90}$

$600 : 6 = \underline{100}$

$60 : 1 = \underline{60}$

$240 : 3 = \underline{80}$

$90 : 9 = \underline{10}$

$30 : 1 = \underline{30}$

$80 : 8 = \underline{10}$

$1000 : 10 = \underline{100}$

$210 : 7 = \underline{30}$

$200 : 5 = \underline{40}$

$180 : 2 = \underline{90}$

$360 : 4 = \underline{90}$

$240 : 6 = \underline{40}$

$270 : 3 = \underline{90}$

$450 : 9 = \underline{50}$

**b**

$360 : 6 = \underline{60}$

$640 : 8 = \underline{80}$

$100 : 5 = \underline{20}$

$70 : 7 = \underline{10}$

$160 : 2 = \underline{80}$

$800 : 10 = \underline{80}$

$490 : 7 = \underline{70}$

$80 : 4 = \underline{20}$

$90 : 3 = \underline{30}$

$180 : 6 = \underline{30}$

$90 : 1 = \underline{90}$

$160 : 4 = \underline{40}$

$320 : 8 = \underline{40}$

$400 : 10 = \underline{40}$

$120 : 4 = \underline{30}$

$280 : 7 = \underline{40}$

$100 : 2 = \underline{50}$

$900 : 9 = \underline{100}$

$350 : 5 = \underline{70}$

$300 : 3 = \underline{100}$

$420 : 6 = \underline{70}$

**37** Vypočítej.

<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>
$10 \cdot 10 = \underline{100}$	$2 \cdot 40 = \underline{80}$	$3 \cdot 50 = \underline{150}$	$8 \cdot 60 = \underline{480}$
$240 : 40 = \underline{60}$	$540 : 6 = \underline{90}$	$210 \cdot 3 = \underline{70}$	$490 : 7 = \underline{70}$
$6 \cdot 90 = \underline{540}$	$2 \cdot 90 = \underline{180}$	$6 \cdot 30 = \underline{180}$	$4 \cdot 20 = \underline{80}$
$2 \cdot 10 = \underline{20}$	$320 : 8 = \underline{40}$	$1 \cdot 80 = \underline{80}$	$180 : 9 = \underline{20}$
$640 : 8 = \underline{80}$	$5 \cdot 10 = \underline{50}$	$810 : 9 = \underline{90}$	$8 \cdot 100 = \underline{800}$
$180 : 6 = \underline{30}$	$3 \cdot 70 = \underline{210}$	$6 \cdot 40 = \underline{240}$	$0 \cdot 40 = \underline{0}$
$5 \cdot 50 = \underline{250}$	$360 : 4 = \underline{90}$	$400 : 5 = \underline{80}$	$350 : 5 = \underline{70}$
$270 : 3 = \underline{90}$	$9 \cdot 50 = \underline{450}$	$350 : 7 = \underline{50}$	$5 \cdot 30 = \underline{150}$
$7 \cdot 20 = \underline{140}$	$160 : 2 = \underline{80}$	$1 \cdot 10 = \underline{10}$	$102 : 2 = \underline{51}$
$5 \cdot 70 = \underline{350}$	$3 \cdot 20 = \underline{60}$	$4 \cdot 100 = \underline{400}$	$7 \cdot 80 = \underline{560}$

**38** Počítej a prováděj kontrolu podle vzoru.

$15 \begin{array}{c} \xrightarrow{\cdot 10} \\ \xleftarrow{:10} \end{array} 150$	$80 \begin{array}{c} \xrightarrow{\cdot 7} \\ \xleftarrow{:7} \end{array} 560$	$60 \begin{array}{c} \xrightarrow{\cdot 4} \\ \xleftarrow{:4} \end{array} 240$
$90 \begin{array}{c} \xrightarrow{\cdot 2} \\ \xleftarrow{:2} \end{array} 180$	$70 \begin{array}{c} \xrightarrow{\cdot 5} \\ \xleftarrow{:5} \end{array} 350$	$50 \begin{array}{c} \xrightarrow{\cdot 6} \\ \xleftarrow{:6} \end{array} 300$
$40 \begin{array}{c} \xrightarrow{\cdot 7} \\ \xleftarrow{:7} \end{array} 280$	$30 \begin{array}{c} \xrightarrow{\cdot 3} \\ \xleftarrow{:3} \end{array} 90$	$40 \begin{array}{c} \xrightarrow{\cdot 2} \\ \xleftarrow{:2} \end{array} 80$
$80 \begin{array}{c} \xrightarrow{\cdot 8} \\ \xleftarrow{:8} \end{array} 640$	$40 \begin{array}{c} \xrightarrow{\cdot 9} \\ \xleftarrow{:9} \end{array} 360$	$70 \begin{array}{c} \xrightarrow{\cdot 3} \\ \xleftarrow{:3} \end{array} 210$
$70 \begin{array}{c} \xrightarrow{\cdot 5} \\ \xleftarrow{:5} \end{array} 350$	$20 \begin{array}{c} \xrightarrow{\cdot 4} \\ \xleftarrow{:4} \end{array} 80$	$20 \begin{array}{c} \xrightarrow{\cdot 6} \\ \xleftarrow{:6} \end{array} 120$

**39** Doplň správně tabulky.

**a**

90	150	30	210	270	120	300	180	240	60	
<b>: 3</b>	30	50	10	70	90	40	100	60	80	20

**b**

160	480	320	800	640	80	560	720	400	240	
<b>: 8</b>	20	60	40	100	80	10	70	90	50	30

**c**

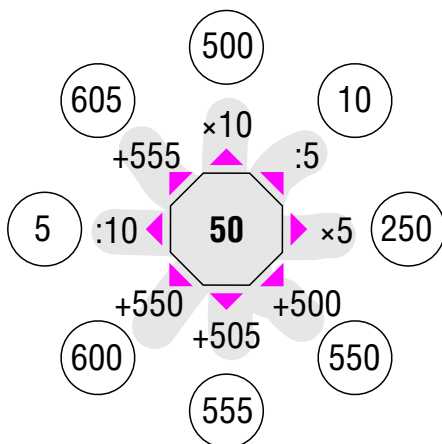
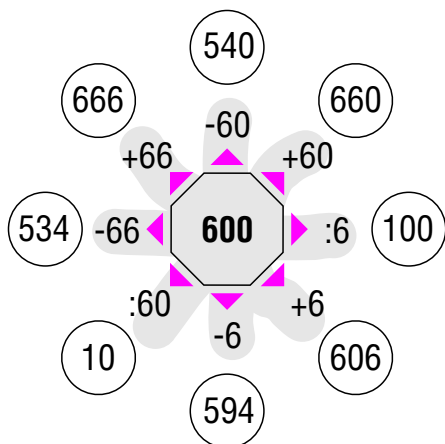
240	80	400	160	280	120	360	320	40	200	
<b>: 4</b>	60	20	100	40	70	30	90	80	10	50

**d**

140	280	560	700	420	630	350	490	210	70	
<b>: 7</b>	20	40	80	100	60	90	50	70	30	10

**e**

360	90	540	180	720	270	900	450	810	630	
<b>: 9</b>	40	10	60	20	80	30	100	50	90	70

**40** Počítej a zapisuj.

**41** Vypočítej. Kontrolu proved' pomocí násobení a sčítání.

$$17 : 2 = \underline{8 \text{ zb. } 1} \quad (8 \cdot 2) + 1 = 17$$

$$18 : 4 = \underline{4 \text{ zb. } 2} \quad (4 \cdot 4) + 2 = 18$$

$$16 : 3 = \underline{5 \text{ zb. } 1} \quad (5 \cdot 3) + 1 = 16$$

$$7 : 4 = \underline{1 \text{ zb. } 3} \quad (1 \cdot 4) + 3 = 7$$

$$22 : 3 = \underline{7 \text{ zb. } 1} \quad (7 \cdot 3) + 1 = 22$$

$$29 : 4 = \underline{7 \text{ zb. } 1} \quad (7 \cdot 4) + 1 = 29$$

$$9 : 2 = \underline{4 \text{ zb. } 1} \quad (4 \cdot 2) + 1 = 9$$

$$7 : 5 = \underline{1 \text{ zb. } 2} \quad (1 \cdot 5) + 2 = 7$$

$$39 : 4 = \underline{9 \text{ zb. } 3} \quad (9 \cdot 4) + 3 = 39$$

$$26 : 5 = \underline{5 \text{ zb. } 1} \quad (5 \cdot 5) + 1 = 26$$

$$20 : 3 = \underline{6 \text{ zb. } 2} \quad (6 \cdot 3) + 2 = 20$$

$$31 : 4 = \underline{7 \text{ zb. } 3} \quad (7 \cdot 4) + 3 = 31$$

$$32 : 5 = \underline{6 \text{ zb. } 2} \quad (6 \cdot 5) + 2 = 32$$

$$1 : 3 = \underline{0 \text{ zb. } 1} \quad (0 \cdot 3) + 1 = 1$$

$$3 : 2 = \underline{1 \text{ zb. } 1} \quad (1 \cdot 2) + 1 = 3$$

$$4 : 5 = \underline{0 \text{ zb. } 4} \quad (0 \cdot 5) + 4 = 4$$

$$49 : 5 = \underline{9 \text{ zb. } 4} \quad (9 \cdot 5) + 4 = 49$$

$$26 : 3 = \underline{8 \text{ zb. } 2} \quad (8 \cdot 3) + 2 = 26$$

$$14 : 5 = \underline{2 \text{ zb. } 4} \quad (2 \cdot 5) + 4 = 14$$

$$11 : 4 = \underline{2 \text{ zb. } 3} \quad (2 \cdot 4) + 3 = 11$$

$$13 : 2 = \underline{6 \text{ zb. } 1} \quad (6 \cdot 2) + 1 = 13$$

**42** Vypočítej řetězce.

480	630	950
▼	▼	▼
-250	+40	-80
▼	▼	▼
230	670	870
▼	▼	▼
-40	+70	-200
▼	▼	▼
190	740	670
▼	▼	▼
-50	+80	-250
▼	▼	▼
140	820	420
▼	▼	▼
-60	-100	-140
▼	▼	▼
80	720	280
▼	▼	▼
+170	+50	+260
▼	▼	▼
250	770	540
▼	▼	▼
+80	-110	+90
▼	▼	▼
330	660	630
▼	▼	▼
+90	-90	-180
▼	▼	▼
420	570	450

**43** Vypočítej. Kontrolu proved' pomocí násobení a sčítání.

$$29 : 6 = \underline{4 \text{ zb. } 5} \quad (6 \cdot 4) + 5 = 29$$

$$15 : 7 = \underline{2 \text{ zb. } 1} \quad (7 \cdot 2) + 1 = 15$$

$$30 : 8 = \underline{3 \text{ zb. } 6} \quad (8 \cdot 3) + 6 = 30$$

$$20 : 9 = \underline{2 \text{ zb. } 2} \quad (9 \cdot 2) + 2 = 20$$

$$59 : 6 = \underline{9 \text{ zb. } 5} \quad (6 \cdot 9) + 5 = 59$$

$$17 : 8 = \underline{2 \text{ zb. } 1} \quad (8 \cdot 2) + 1 = 17$$

$$24 : 7 = \underline{3 \text{ zb. } 3} \quad (7 \cdot 3) + 3 = 24$$

$$68 : 9 = \underline{7 \text{ zb. } 5} \quad (9 \cdot 7) + 5 = 68$$

$$8 : 6 = \underline{1 \text{ zb. } 2} \quad (6 \cdot 1) + 2 = 8$$

$$41 : 8 = \underline{5 \text{ zb. } 1} \quad (8 \cdot 5) + 1 = 41$$

$$60 : 7 = \underline{8 \text{ zb. } 4} \quad (7 \cdot 8) + 4 = 60$$

$$85 : 9 = \underline{9 \text{ zb. } 4} \quad (9 \cdot 9) + 4 = 85$$

$$39 : 7 = \underline{5 \text{ zb. } 4} \quad (7 \cdot 5) + 4 = 39$$

$$55 : 9 = \underline{6 \text{ zb. } 1} \quad (9 \cdot 6) + 1 = 55$$

$$68 : 7 = \underline{9 \text{ zb. } 5} \quad (7 \cdot 9) + 5 = 68$$

$$60 : 8 = \underline{7 \text{ zb. } 4} \quad (8 \cdot 7) + 4 = 60$$

$$15 : 6 = \underline{2 \text{ zb. } 3} \quad (6 \cdot 2) + 3 = 15$$

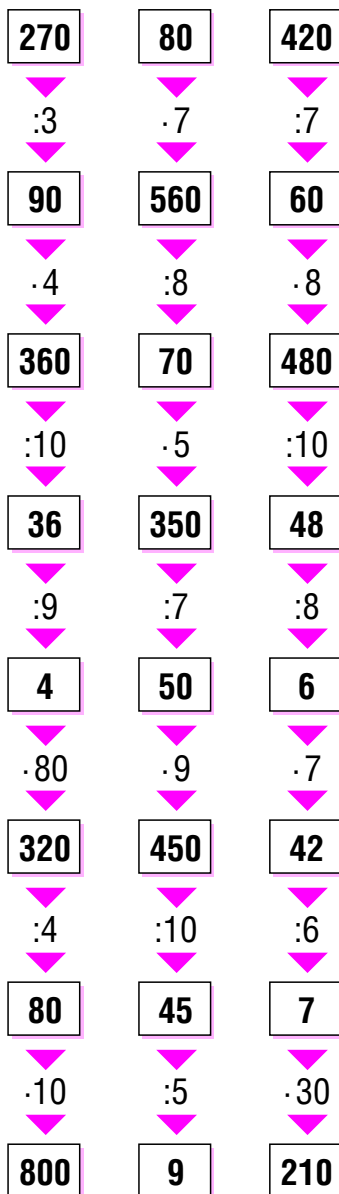
$$73 : 8 = \underline{9 \text{ zb. } 1} \quad (8 \cdot 9) + 1 = 73$$

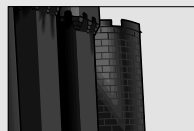
$$43 : 7 = \underline{6 \text{ zb. } 1} \quad (7 \cdot 6) + 1 = 43$$

$$40 : 9 = \underline{4 \text{ zb. } 4} \quad (9 \cdot 4) + 4 = 40$$

$$37 : 6 = \underline{6 \text{ zb. } 1} \quad (6 \cdot 6) + 1 = 37$$

**44** Vypočítej řetězce.





### 45 Doplň správně tabulky.

<b>a</b>	dělenec	9	15	6	20	5	10	3	1	19	7
	dělitel	2	2	2	2	2	2	2	2	2	2
	neúplný podíl	4	7	3	10	2	5	1	0	9	3
	zbytek	1	1	0	0	1	0	1	1	1	1

<b>b</b>	dělenec	11	34	9	7	22	17	3	39	5	25
	dělitel	4	4	4	4	4	4	4	4	4	4
	neúplný podíl	2	8	2	1	5	4	0	9	1	6
	zbytek	3	2	1	3	2	1	3	3	1	1

<b>c</b>	dělenec	47	21	10	3	58	14	45	43	28	33
	dělitel	6	6	6	6	6	6	6	6	6	6
	neúplný podíl	7	3	1	0	9	2	7	7	4	5
	zbytek	5	3	4	3	4	2	3	1	4	3

<b>d</b>	dělenec	45	21	56	78	18	96	84	52	63	37
	dělitel	10	10	10	10	10	10	10	10	10	10
	neúplný podíl	4	2	5	7	1	9	8	5	6	3
	zbytek	5	1	6	8	8	6	4	2	3	7

### 46 Vypočítej řetězce.

$$70 \quad \cdot 4 \blacktriangleright \quad 280 \quad - 80 \blacktriangleright \quad 200 \quad + 40 \blacktriangleright \quad 240 \quad : 6 \blacktriangleright \quad 40$$

$$80 \quad \cdot 5 \blacktriangleright \quad 400 \quad : 100 \blacktriangleright \quad 4 \quad \cdot 90 \blacktriangleright \quad 360 \quad - 5 \blacktriangleright \quad 355$$

**47** Doplně správně tabulky.

<b>a</b>	dělenec	10	14	22	7	17	29	16	1	20	25
	dělitel	3	3	3	3	3	3	3	3	3	3
	neúplný podíl	3	4	7	2	5	9	5	0	6	8
	zbytek	1	2	1	1	2	2	1	1	2	1

<b>b</b>	dělenec	14	42	7	22	38	39	3	46	31	48
	dělitel	5	5	5	5	5	5	5	5	5	5
	neúplný podíl	2	8	1	4	7	7	0	9	6	9
	zbytek	4	2	2	2	3	4	3	1	1	3

<b>c</b>	dělenec	10	45	22	68	6	60	16	50	4	31
	dělitel	7	7	7	7	7	7	7	7	7	7
	neúplný podíl	1	6	3	9	0	8	2	7	0	4
	zbytek	3	3	1	5	6	4	2	1	4	3

<b>d</b>	dělenec	30	60	92	80	10	70	50	1	40	20
	dělitel	9	9	9	9	9	9	9	9	9	9
	neúplný podíl	3	6	10	8	1	7	5	0	4	2
	zbytek	3	6	2	8	1	7	5	1	4	2

**48** Vypočítej řetězce.

$$495 - 75 \blacktriangleright 420 \quad : 7 \blacktriangleright 60 \quad \cdot 4 \blacktriangleright 240 \quad : 3 \blacktriangleright 80$$

$$176 + 74 \blacktriangleright 250 \quad : 5 \blacktriangleright 50 \quad \cdot 10 \blacktriangleright 500 \quad : 100 \blacktriangleright 5$$




**49** Počítej a zapisuj podle vzoru.

$$3 \cdot 13 = \underline{3 \cdot (10 + 3) = 30 + 9 = 39}$$

$$2 \cdot 12 = \underline{2 \cdot (10 + 2) = 20 + 4 = 24}$$

$$2 \cdot 11 = \underline{2 \cdot (10 + 1) = 20 + 2 = 22}$$

$$2 \cdot 13 = \underline{2 \cdot (10 + 3) = 20 + 6 = 26}$$

$$6 \cdot 12 = \underline{6 \cdot (10 + 2) = 60 + 12 = 72}$$

$$5 \cdot 11 = \underline{5 \cdot (10 + 1) = 50 + 5 = 55}$$

$$3 \cdot 12 = \underline{3 \cdot (10 + 2) = 30 + 6 = 36}$$

$$8 \cdot 11 = \underline{8 \cdot (10 + 1) = 80 + 8 = 88}$$

$$6 \cdot 13 = \underline{6 \cdot (10 + 3) = 60 + 18 = 78}$$

$$3 \cdot 11 = \underline{3 \cdot (10 + 1) = 30 + 3 = 33}$$

$$7 \cdot 13 = \underline{7 \cdot (10 + 3) = 70 + 21 = 91}$$

$$4 \cdot 12 = \underline{4 \cdot (10 + 2) = 40 + 8 = 48}$$

$$5 \cdot 13 = \underline{5 \cdot (10 + 3) = 50 + 15 = 65}$$

$$6 \cdot 11 = \underline{6 \cdot (10 + 1) = 60 + 6 = 66}$$

$$7 \cdot 12 = \underline{7 \cdot (10 + 2) = 70 + 14 = 84}$$

$$9 \cdot 11 = \underline{9 \cdot (10 + 1) = 90 + 9 = 99}$$

$$4 \cdot 13 = \underline{4 \cdot (10 + 3) = 40 + 12 = 52}$$

$$4 \cdot 11 = \underline{4 \cdot (10 + 1) = 40 + 4 = 44}$$

$$5 \cdot 12 = \underline{5 \cdot (10 + 2) = 50 + 10 = 60}$$

$$8 \cdot 12 = \underline{8 \cdot (10 + 2) = 80 + 16 = 96}$$

$$7 \cdot 11 = \underline{7 \cdot (10 + 1) = 70 + 7 = 77}$$

**50** Vypočítej řetězce.

6	5	3
▼	▼	▼
·3	·11	·12
▼	▼	▼
18	55	36
▼	▼	▼
:9	-25	:4
▼	▼	▼
2	30	9
▼	▼	▼
·11	:6	·11
▼	▼	▼
22	5	99
▼	▼	▼
-12	·12	-18
▼	▼	▼
10	60	81
▼	▼	▼
:5	-12	:9
▼	▼	▼
2	48	9
▼	▼	▼
·12	:8	:3
▼	▼	▼
24	6	3
▼	▼	▼
:8	·13	·12
▼	▼	▼
3	78	36

**51** Počítej a zapisuj podle vzoru.

$$2 \cdot 14 = 2 \cdot (10 + 4) = 20 + 8 = 28$$

$$2 \cdot 17 = 2 \cdot (10 + 7) = 20 + 14 = 34$$

$$4 \cdot 15 = 4 \cdot (10 + 5) = 40 + 20 = 60$$

$$5 \cdot 16 = 5 \cdot (10 + 6) = 50 + 30 = 80$$

$$3 \cdot 14 = 3 \cdot (10 + 4) = 30 + 12 = 42$$

$$5 \cdot 17 = 5 \cdot (10 + 7) = 50 + 35 = 85$$

$$2 \cdot 16 = 2 \cdot (10 + 6) = 20 + 12 = 32$$

$$7 \cdot 14 = 7 \cdot (10 + 4) = 70 + 28 = 98$$

$$6 \cdot 16 = 6 \cdot (10 + 6) = 60 + 36 = 96$$

$$5 \cdot 15 = 5 \cdot (10 + 5) = 50 + 25 = 75$$

$$6 \cdot 14 = 6 \cdot (10 + 4) = 60 + 24 = 84$$

$$4 \cdot 17 = 4 \cdot (10 + 7) = 40 + 28 = 68$$

$$3 \cdot 15 = 3 \cdot (10 + 5) = 30 + 15 = 45$$

$$3 \cdot 16 = 3 \cdot (10 + 6) = 30 + 18 = 48$$

$$2 \cdot 18 = 2 \cdot (10 + 8) = 20 + 16 = 36$$

$$5 \cdot 14 = 5 \cdot (10 + 4) = 50 + 20 = 70$$

$$3 \cdot 17 = 3 \cdot (10 + 7) = 30 + 21 = 51$$

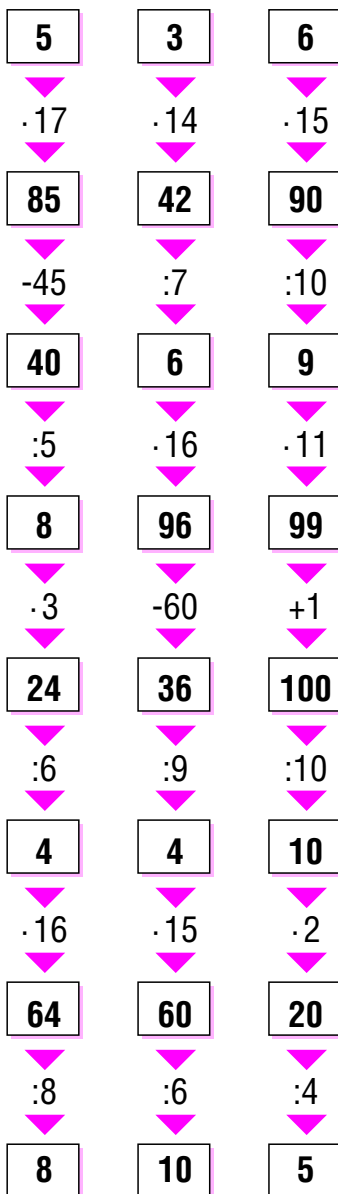
$$6 \cdot 15 = 6 \cdot (10 + 5) = 60 + 30 = 90$$

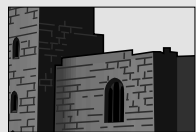
$$4 \cdot 16 = 4 \cdot (10 + 6) = 40 + 24 = 64$$

$$2 \cdot 15 = 2 \cdot (10 + 5) = 20 + 10 = 30$$

$$4 \cdot 14 = 4 \cdot (10 + 4) = 40 + 16 = 56$$

**52** Vypočítej řetězce.



**53** Počítej a zapisuj podle vzoru.

$$2 \cdot 18 = 2 \cdot (10 + 8) = 20 + 16 = 36$$

$$3 \cdot 19 = 3 \cdot (10 + 9) = 30 + 27 = 57$$

$$5 \cdot 17 = 5 \cdot (10 + 7) = 50 + 35 = 85$$

$$4 \cdot 18 = 4 \cdot (10 + 8) = 40 + 32 = 72$$

$$2 \cdot 19 = 2 \cdot (10 + 9) = 20 + 18 = 38$$

$$4 \cdot 17 = 4 \cdot (10 + 7) = 40 + 28 = 68$$

$$5 \cdot 19 = 5 \cdot (10 + 9) = 50 + 45 = 95$$

$$5 \cdot 18 = 5 \cdot (10 + 8) = 50 + 40 = 90$$

$$2 \cdot 18 = 2 \cdot (10 + 8) = 20 + 16 = 36$$

$$4 \cdot 19 = 4 \cdot (10 + 9) = 40 + 36 = 76$$

**54** Vypočítej.**a**

$$2 \cdot 16 = 32$$

$$6 \cdot 12 = 72$$

$$4 \cdot 18 = 72$$

$$7 \cdot 11 = 77$$

$$3 \cdot 16 = 48$$

$$2 \cdot 17 = 34$$

$$4 \cdot 14 = 56$$

$$4 \cdot 19 = 76$$

$$3 \cdot 14 = 42$$

$$3 \cdot 15 = 45$$

**b**

$$3 \cdot 18 = 54$$

$$2 \cdot 14 = 28$$

$$6 \cdot 15 = 90$$

$$4 \cdot 16 = 64$$

$$5 \cdot 13 = 65$$

$$5 \cdot 19 = 95$$

$$5 \cdot 14 = 70$$

$$2 \cdot 15 = 30$$

$$9 \cdot 11 = 99$$

$$3 \cdot 17 = 51$$

**c**

$$5 \cdot 16 = 80$$

$$5 \cdot 12 = 60$$

$$5 \cdot 15 = 75$$

$$3 \cdot 19 = 57$$

$$7 \cdot 12 = 84$$

$$6 \cdot 14 = 84$$

$$4 \cdot 17 = 68$$

$$6 \cdot 13 = 78$$

$$5 \cdot 18 = 90$$

$$4 \cdot 13 = 52$$

**d**

$$7 \cdot 14 = 98$$

$$2 \cdot 18 = 36$$

$$7 \cdot 13 = 91$$

$$6 \cdot 11 = 66$$

$$5 \cdot 17 = 85$$

$$8 \cdot 11 = 88$$

$$2 \cdot 19 = 38$$

$$8 \cdot 12 = 96$$

$$4 \cdot 15 = 60$$

$$6 \cdot 16 = 96$$

**55** Počítej a zapisuj podle vzoru.

$$42:3 = \frac{30}{10} + \frac{12}{3} = 14 \quad 52:4 = \frac{40}{10} + \frac{12}{3} = 13$$

$$65:5 = \frac{50}{10} + \frac{15}{3} = 13 \quad 91:7 = \frac{70}{10} + \frac{21}{3} = 13$$

$$64:4 = \frac{40}{10} + \frac{24}{6} = 16 \quad 57:3 = \frac{30}{10} + \frac{27}{9} = 19$$

$$88:8 = \frac{80}{10} + \frac{8}{1} = 11 \quad 60:3 = \frac{30}{10} + \frac{30}{10} = 20$$

$$84:7 = \frac{70}{10} + \frac{14}{2} = 12 \quad 80:5 = \frac{50}{10} + \frac{30}{6} = 16$$

$$34:2 = \frac{20}{10} + \frac{14}{7} = 17 \quad 36:2 = \frac{20}{10} + \frac{16}{8} = 18$$

$$51:3 = \frac{30}{10} + \frac{21}{3} = 17 \quad 99:9 = \frac{90}{10} + \frac{9}{1} = 11$$

$$32:2 = \frac{20}{10} + \frac{12}{6} = 16 \quad 38:2 = \frac{20}{10} + \frac{18}{9} = 19$$

$$78:6 = \frac{60}{10} + \frac{18}{3} = 13 \quad 96:8 = \frac{80}{10} + \frac{16}{2} = 12$$

$$76:4 = \frac{40}{10} + \frac{36}{9} = 19 \quad 84:6 = \frac{60}{10} + \frac{24}{4} = 14$$

**56** Doplň správně tabulky.**a**

	26	30	38	24	32	36	22	34	40	28
:	2	2	2	2	2	2	2	2	2	2
=	13	15	19	12	16	18	11	17	20	14

**b**

	36	48	54	39	60	33	45	57	51	42
:	3	3	3	3	3	3	3	3	3	3
=	12	16	18	13	20	11	15	19	17	14

**c**

	52	64	48	72	44	76	60	80	68	56
:	4	4	4	4	4	4	4	4	4	4
=	13	16	12	18	11	19	15	20	17	14

**57** Počítej a zapisuj podle vzoru.

$$\begin{array}{l} 30 : 2 = 10 + 5 = 15 \\ \underbrace{20} \quad \underbrace{10} \end{array} \quad \begin{array}{l} 68 : 4 = 10 + 7 = 17 \\ \underbrace{40} \quad \underbrace{28} \end{array} \quad \begin{array}{l} 33 : 3 = 10 + 1 = 11 \\ \underbrace{30} \quad \underbrace{3} \end{array}$$

$$\begin{array}{l} 72 : 4 = 10 + 8 = 18 \\ \underbrace{40} \quad \underbrace{32} \end{array} \quad \begin{array}{l} 28 : 2 = 10 + 4 = 14 \\ \underbrace{20} \quad \underbrace{8} \end{array} \quad \begin{array}{l} 64 : 4 = 10 + 6 = 16 \\ \underbrace{40} \quad \underbrace{24} \end{array}$$

$$\begin{array}{l} 22 : 2 = 10 + 1 = 11 \\ \underbrace{20} \quad \underbrace{2} \end{array} \quad \begin{array}{l} 24 : 2 = 10 + 2 = 12 \\ \underbrace{20} \quad \underbrace{4} \end{array} \quad \begin{array}{l} 26 : 2 = 10 + 3 = 13 \\ \underbrace{20} \quad \underbrace{6} \end{array}$$

$$\begin{array}{l} 44 : 4 = 10 + 1 = 11 \\ \underbrace{40} \quad \underbrace{4} \end{array} \quad \begin{array}{l} 48 : 4 = 10 + 2 = 12 \\ \underbrace{40} \quad \underbrace{8} \end{array} \quad \begin{array}{l} 40 : 2 = 10 + 10 = 20 \\ \underbrace{20} \quad \underbrace{20} \end{array}$$

$$\begin{array}{l} 36 : 3 = 10 + 2 = 12 \\ \underbrace{30} \quad \underbrace{6} \end{array} \quad \begin{array}{l} 36 : 3 = 10 + 2 = 12 \\ \underbrace{30} \quad \underbrace{6} \end{array} \quad \begin{array}{l} 56 : 4 = 10 + 4 = 14 \\ \underbrace{40} \quad \underbrace{16} \end{array}$$

**58** Vypočítej.**a**

$77 : 7 = 11$

$4 \cdot 16 = 64$

$45 : 3 = 15$

$85 : 5 = 17$

$7 \cdot 12 = 84$

$66 : 6 = 11$

$6 \cdot 14 = 84$

$7 \cdot 11 = 77$

$84 : 7 = 12$

$6 \cdot 15 = 90$

**b**

$28 : 2 = 14$

$4 \cdot 18 = 72$

$91 : 7 = 13$

$5 \cdot 13 = 65$

$68 : 4 = 17$

$3 \cdot 17 = 51$

$60 : 5 = 12$

$3 \cdot 18 = 54$

$96 : 8 = 12$

$3 \cdot 16 = 48$

**c**

$75 : 5 = 15$

$6 \cdot 12 = 72$

$96 : 6 = 16$

$2 \cdot 19 = 38$

$88 : 8 = 11$

$9 \cdot 11 = 99$

$3 \cdot 15 = 45$

$90 : 6 = 15$

$4 \cdot 14 = 56$

$48 : 3 = 16$

**d**

$98 : 7 = 14$

$5 \cdot 19 = 95$

$95 : 5 = 19$

$8 \cdot 12 = 96$

$5 \cdot 14 = 70$

$72 : 6 = 12$

$4 \cdot 19 = 76$

$48 : 4 = 12$

$99 : 9 = 11$

$2 \cdot 16 = 32$

## 8. Písemné sčítání a odčítání v oboru do 1000

**30** M 3/3, str. 61–63

**59** Vypočítej. Kontrolu proved' a) záměnou sčítanců, b) sčítáním.

<b>a</b>				<b>b</b>			
$\begin{array}{r} 270 \\ 80 \\ \hline 350 \end{array}$	$\begin{array}{r} 80 \\ 270 \\ \hline 350 \end{array}$	$\begin{array}{r} 520 \\ 90 \\ \hline 610 \end{array}$	$\begin{array}{r} 90 \\ 520 \\ \hline 610 \end{array}$	$\begin{array}{r} 430 \\ -70 \\ \hline 360 \end{array}$	$\begin{array}{r} 360 \\ 70 \\ \hline 430 \end{array}$	$\begin{array}{r} 720 \\ -60 \\ \hline 660 \end{array}$	$\begin{array}{r} 660 \\ 60 \\ \hline 720 \end{array}$
$\begin{array}{r} 740 \\ 80 \\ \hline 820 \end{array}$	$\begin{array}{r} 80 \\ 740 \\ \hline 820 \end{array}$	$\begin{array}{r} 350 \\ 60 \\ \hline 410 \end{array}$	$\begin{array}{r} 60 \\ 350 \\ \hline 410 \end{array}$	$\begin{array}{r} 950 \\ -70 \\ \hline 880 \end{array}$	$\begin{array}{r} 880 \\ 70 \\ \hline 950 \end{array}$	$\begin{array}{r} 510 \\ -40 \\ \hline 470 \end{array}$	$\begin{array}{r} 470 \\ 40 \\ \hline 510 \end{array}$
$\begin{array}{r} 490 \\ 30 \\ \hline 520 \end{array}$	$\begin{array}{r} 30 \\ 490 \\ \hline 520 \end{array}$	$\begin{array}{r} 680 \\ 40 \\ \hline 720 \end{array}$	$\begin{array}{r} 40 \\ 680 \\ \hline 720 \end{array}$	$\begin{array}{r} 670 \\ -80 \\ \hline 590 \end{array}$	$\begin{array}{r} 590 \\ 80 \\ \hline 670 \end{array}$	$\begin{array}{r} 840 \\ -60 \\ \hline 780 \end{array}$	$\begin{array}{r} 780 \\ 60 \\ \hline 840 \end{array}$

**60** Vypočítej. Kontrolu proved' a) odčítáním, b) sčítáním.

<b>a</b>				<b>b</b>			
$\begin{array}{r} 190 \\ 37 \\ \hline 227 \end{array}$	$\begin{array}{r} 227 \\ -37 \\ \hline 190 \end{array}$	$\begin{array}{r} 750 \\ 78 \\ \hline 828 \end{array}$	$\begin{array}{r} 828 \\ -78 \\ \hline 750 \end{array}$	$\begin{array}{r} 820 \\ -31 \\ \hline 789 \end{array}$	$\begin{array}{r} 789 \\ 31 \\ \hline 820 \end{array}$	$\begin{array}{r} 550 \\ -74 \\ \hline 476 \end{array}$	$\begin{array}{r} 476 \\ 74 \\ \hline 550 \end{array}$
$\begin{array}{r} 560 \\ 93 \\ \hline 653 \end{array}$	$\begin{array}{r} 653 \\ -93 \\ \hline 560 \end{array}$	$\begin{array}{r} 260 \\ 85 \\ \hline 345 \end{array}$	$\begin{array}{r} 345 \\ -85 \\ \hline 260 \end{array}$	$\begin{array}{r} 730 \\ -68 \\ \hline 662 \end{array}$	$\begin{array}{r} 662 \\ 68 \\ \hline 730 \end{array}$	$\begin{array}{r} 270 \\ -95 \\ \hline 175 \end{array}$	$\begin{array}{r} 175 \\ 95 \\ \hline 270 \end{array}$
$\begin{array}{r} 330 \\ 96 \\ \hline 426 \end{array}$	$\begin{array}{r} 426 \\ -96 \\ \hline 330 \end{array}$	$\begin{array}{r} 640 \\ 64 \\ \hline 704 \end{array}$	$\begin{array}{r} 704 \\ -64 \\ \hline 640 \end{array}$	$\begin{array}{r} 410 \\ -44 \\ \hline 366 \end{array}$	$\begin{array}{r} 366 \\ 44 \\ \hline 410 \end{array}$	$\begin{array}{r} 640 \\ -86 \\ \hline 554 \end{array}$	$\begin{array}{r} 554 \\ 86 \\ \hline 640 \end{array}$



**61** Vypočítej. Kontrolu proved' pomocí počítačky.

<b>a</b>				<b>b</b>			
178	576	782	372	637	356	972	853
69	45	79	58	-54	-88	-95	-69
247	621	861	430	583	268	877	784
863	493	246	186	541	746	233	418
78	47	89	95	-72	-88	-67	-59
941	540	335	281	469	658	166	359
353	627	692	478	665	942	823	726
68	99	28	85	-86	-77	-58	-39
421	726	720	563	579	865	765	687

**62** Vypočítej. Kontrolu proved' pomocí počítačky.

540	730	430	460	270	440	720	390
280	-390	180	-180	60	-90	-53	47
820	340	610	280	330	350	667	437
820	660	610	350	460	930	578	736
-650	270	-330	460	85	-58	49	97
170	930	280	810	545	872	627	833
290	540	960	780	656	917	630	740
430	-270	-590	160	-77	-98	280	-550
720	270	370	940	579	819	910	190

**63** Vypočítej příklady a pomocí tabulky získáš tajenku.

$(60 : 5) \cdot 2 = 24$	V
$(36 + 42) : 6 = 13$	Ý
$(32 : 8) \cdot 70 = 280$	B
$(120 + 180) \cdot 3 = 900$	O
$(64 : 4) \cdot 2 = 32$	R
$(380 - 280) \cdot 5 = 500$	N
$(4 \cdot 50) : 5 = 40$	Ě
$(30 : 6) \cdot 11 = 55$	!
$(305 - 95) : 7 = 30$	H
$(5 \cdot 90) + 450 = 900$	O
$(300 \cdot 3) - 50 = 850$	D
$(6 \cdot 15) + 410 = 500$	N
$(50 \cdot 4) - 160 = 40$	Ě
$(400 - 150) : 5 = 50$	Ú
$(5 \cdot 80) + 330 = 730$	S
$(60 : 5) \cdot 10 = 120$	P
$(7 \cdot 20) - 100 = 40$	Ě
$(395 + 45) + 180 = 620$	CH
$(45 : 9) \cdot 12 = 60$	Ů

$(42 - 38) \cdot 6 = 24$	V
$(270 - 220) \cdot 8 = 400$	E
$(630 - 420) : 3 = 70$	Č
$(200 - 175) \cdot 4 = 100$	T
$(5 \cdot 11) - 31 = 24$	V
$(190 - 182) \cdot 4 = 32$	R
$(620 + 280) : 9 = 100$	T
$(50 \cdot 3) - 67 = 83$	É
$(4 \cdot 12) + 52 = 100$	T
$(52 : 4) \cdot 7 = 91$	Ř
$(34 : 2) + 323 = 340$	Í
$(650 - 565) \cdot 10 = 850$	D
$(500 : 100) \cdot 8 = 40$	Ě
$(5 \cdot 20) - 45 = 55$	!

13	Ý
24	V
30	H
32	R
40	Ě
50	Ú
55	!
60	Ů
70	Č
83	É
91	Ř
100	T
120	P
280	B
340	Í
400	E
500	N
620	CH
730	S
850	D
900	O