

$$48 * 52$$

Тактика:

$$48*50 + 48*2$$

$$50*52 - 2*52$$

$$! 50*50 - 2*2$$

$$50 * 50 = 5*5 \ 00 = 25 \ 00$$

$$2*2 = 4$$

$$2500 - 4 = 2490 + 10 - 4 = 2496$$

$$10 - 4 = 5 + 5 - 4 = 5 \text{ и } 1 = 6$$

# 22 \* 134

Тактика:

$$! 20 * 134 + 2 * 134$$

$$25 * 134 - 3 * 134$$

$$22 * 100 + 22 * 30 + 22 * 4$$

•  $20 * 134 = 2 * 134$  и 0

$$2 * 134 = 2 * 100 + 2 * 30 + 2 * 4$$

$$2 * 100 = 2 * 100 = 200; 2 * 30 = 2 * 30 = 60; 2 * 4 = 8$$

$$2 * 134 = 268 \quad 20 * 134 = 2680$$

$$2680 + 268 = 2500 + 180 + 268$$

$$180 + 268 = 100 + 50 + 30 + 100 + 100 + 50 + 10 + 8$$

$$100 + 100 + 100 = 300; 50 + 50 = 100; 30 + 10 = 40; 448 + 2500 = 2948$$

# 53 \* 142

Тактика:

$$! 50 * 142 + 3 * 142$$

$$100 * 100 - 42*42 - 5 * 142$$

$$53 * 100 + 53 * 40 + 53 * 2$$

$$50 * 142 = 142 : 2 * 100 = 142 : 2 \quad 00$$

$$142 : 2 = 100 : 2 + 40 : 2 + 2:2$$

$$100 : 2 = 10:2 \quad 0 = 50; \quad 40 : 2 = 4:2 \quad 0 = 20$$

$$50 + 20 + 1 = 71; \quad 50 * 142 = 7100$$

$$3 * 142 = 3 * 100 + 3 * 40 + 3 * 2$$

$$3 * 100 = 3*1 \quad 00 = 300; \quad 3 * 40 = 3*4 \quad 0 = 120; \quad 3 * 2 = 6; \quad 300 + 100 + 20 + 6 = 426$$

$$7100 + 426 = 7000 + 100 + 400 + 26 = 7000 + 500 + 26 = 7526$$

# 68\*69

Тактика:

$$68 * 70 - 68 * 1$$

$$69 * 69 - 69 * 1$$

$$69 * 69 = 70 * 70 - 69 - 68$$

$$70 * 70 = 7 * 7 \quad 00 = 49 \quad 00$$

$$69 + 68 + 69 = 70 + 70 + 70 - 1 - 2 - 1 = 7*3$$

$$0 - 4 = 210 - 4 = 200 + 10 - 4 = 206$$

$$4900 + 206 = 4900 + 100 + 100 + 6 = 5000 +$$

$$100 + 6 = 5106$$

# 28567 : 48

Тактика: конфеты

по 100 \* 48 = 4800 мало

по 1000 \* 48 = 48000 много

по 500 \* 48 = 48 : 2 \* 1000 = 40:2 + 8:2 000 = 20 + 4 000 = 24000

по 100 \* 48 = 4800

24 000 + 4 800 = 24000 + 4000 + 800 =

=20000 + 4000+4 000 + 800 = 28800

многовато, отнимаем конфеты

по 5 \* 48 = 240

28800 — 240 = 28000 + 500 + 300 — 240

300 — 240 = 300 — 200 — 40 = 100 — 40 = 60

28560 ответ 500 + 100 — 5 = 600 — 5 = 590 + 10 — 5 = 595 и 7/48

$$1234 - 342$$

Тактика:

$$1000 + 200 + 30 + 4 - 300 - 40 - 2$$

!  $1234 - 234$  — остальное

$$1234 - 234 = 1000$$

осталось отнять  $342 - 234 = 100 + 242 - 234$

$$242 - 234 = 2 + 6 = 8, \quad 342 - 234 = 100 + 8 = 108$$

$$1000 - 108 = 900 - 8 = 890 + 10 - 8 = 892$$

62\*78

$$62 * 78$$

Тактика:

$$60 * 78 + 2 * 78$$

$$62 * 80 - 62 * 2$$

$$70 * 70 - 8 * 8$$

$$70 * 70 = 7 * 7 \ 00 = 49 \ 00$$

$$8 * 8 = 64$$

$$4900 - 64 = 4800 + 100 - 64$$

$$\begin{aligned} 100 - 64 &= 50 + 50 - 50 - 10 - 4 = 50 - 10 - 4 = 40 - 4 \\ &= 30 + 10 - 4 = 30 + 5 + 5 - 4 = 36 \end{aligned}$$

$$4800 + 36 = 4836$$



$$51 * 51$$

$$51 * 51$$

Тактика:

$$50 * 51 + 1 * 51$$

$$50 * 50 + 50 + 51$$

$$50 * 50 = 5*5 00 = 25 00$$

$$50 + 51 = 50 + 50 + 1 = 100 + 1 = 101$$

$$2500 + 101 = 2000 + 500 + 100 + 1 = 2000 + 600 + 1 = 2601$$

76 \* 86

$$76 * 86$$

Тактика:

$$70 * 86 + 6 * 86$$

$$75 * 86 + 1 * 86$$

$$76 * 84 + 76 * 2$$

$$76 * 84 = 80 * 80 - 4 * 4 = 6400 - 16 + 76 * 2$$

$$\begin{aligned} -16 + 76 + 76 &= -10 - 6 + 50 + 10 + 10 + 6 + 76 \\ &= 60 + 76 = 50 + 10 + 50 + 10 + 10 + 6 = 50 + \\ &50 + 30 + 6 = 136 \end{aligned}$$

$$\begin{aligned} 6400 + 136 &= 6000 + 400 + 100 + 36 = 6000 + \\ &500 + 36 = 6536 \end{aligned}$$

$$76 * 86$$

Тактика:

$$75 * 86 + 1 * 86$$

$$75 * 86 = 86 : 4 * 3 * 100$$

$$86 : 4 = 86 : 2 : 2 = 43 : 2 = 40 : 2 + 3 : 2 = 20 + 1,5 = 21,5$$

$$21,5 * 3 = 20 * 3 + 1,5 * 3 = 60 + 4,5 = 64,5$$

$$64,5 00 = 6450$$

$$6450 + 86 = 6450 + 50 + 36 = 6500 + 36 = 6536$$

292\*309

# 292\*309

Тактика:

$$300 * 309 - 8 * 309$$

$$292 * 300 + 9 * 300$$

$$292 * 308 + 292 * 1$$

$$292 * 308 = 300 * 300 - 8 * 8$$

$$3*3 0000 - 64 = 90000 - 64 + 292$$

$$-64 + 292 = 292 - 64 = 200 + 92 - 64$$

$$92 - 64 = 6 + 10 + 10 + 2 = 20 + 8 = 28$$

$$292 - 64 = 228$$

$$90000 + 228 = 90228$$

$$31 * 232$$



$$31 * 232$$

Тактика:

$$! 30 * 232 + 1 * 232$$

$$31 * 200 + 31 * 30 + 31 * 2$$

$$25 * 232 + 6 * 232$$

$$30 * 232 = 3 * 232 0$$

$$3 * 232 = 3 * 200 + 3 * 30 + 3 * 2$$

$$3 * 200 = 3 * 2 00 = 600; 3 * 30 = 3*3 0 = 90$$

$$3 * 2 = 6; \text{ ИТОГ } 696 0$$

$$6960 + 232 = 6900 + 100 + 132 + 60$$

$$= 7000 + 100 + 30 + 2 + 60 = 7100 + 90 + 2 = 7192$$

22453 - 4411

$$22453 - 4411$$

Тактика:

$$15000 + 7453 - 4411 = 18000 + 4453 - 4411$$

22453 — 2453 — остальное

22453 — 5000 + разницу 5000 — 4411

$$4453 - 4411 = 9 + 30 + 3 = 30 + 9 + 1 + 2 = 30 + 10 + 2 = 42$$

18042

4819 : 23

# 4819 : 23

Тактика: конфеты

$$\text{по } 100 * 23 = 23\ 00$$

$$\text{еще по } 100 * 23 = 23\ 00$$

$$2300 + 2300 = 23+23\ 00$$

$$23 + 23 = 20 + 20 + 3 + 3 = 40 + 6 = 46$$

$$2300 + 2300 = 4600$$

$$\text{по } 10 * 23 = 230$$

$$4600 + 230 = 4500 + 100 + 200 + 30 = 4500 + 300 + 30 = 4800 + 30 = 4830$$

$$\text{отнимаем по } 1 * 23 = 23 \quad 4830 - 23 = 4800 + 30 - 23$$

$$30 - 23 = 30 - 20 - 3 = 10 - 3 = 5 + 5 - 3 = 5 + 2 = 7$$

$$4800 + 7 = 4807 \text{ и } 12 \text{ остается} \quad \text{ответ: } 100+100+10-1=209 \text{ и } 12/23$$

$$23,453 * 56,732$$

$$23,453 * 56,732$$

25 \* 50, но немного больше

$$25 * 50 = 25 : 2 * 100 = 20:2 + 5:2 \quad 00 = 10 + 2,5$$
$$00 = 12,5 \quad 00 = 1250$$

немного больше ~ 1300

на самом деле ~1330

$$0,027 * 364$$



$$0,027 * 364$$

$$27 * 364$$

Тактика:

$$20 * 364 + 7 * 364 ( 5 * 364 + 2 * 364 )$$

$$25 * 364 + 2 * 364$$

$$364 * 25 = 364 : 4 * 100$$

$$364 : 4 = 360 : 4 + 4:4 = 90 + 1 = 91 \ 00$$

$$2 * 364 = 300 * 2 + 60 * 2 + 4 * 2$$

$$300 * 2 = 3*2 \ 00 = 600; 60 * 2 = 50 + 10 + 50 + 10 = 100 + 20 = 120; 4 * 2 = 8;$$

$$600 + 120 + 8 = 600 + 100 + 20 + 8 = 728$$

$$9100 + 728 = 9000 + 100 + 700 + 28 = 9800 + 28 = 9828$$

$$18956 + 4758$$

# $18956 + 4758$

Тактика:

$$18000 + 900 + \dots$$

$$18956 + 5000 \text{ — отнять лишнее}$$

$$18956 + 1044 \text{ ( до 20000 )} + \text{оставшееся}$$

$$18956 \text{ не хватает до } 19000 \text{ } 4 \text{ и } 40 = 44, \text{ до } 20000 \text{ еще } 1000, \\ \text{т. е. } 1044$$

$$\text{осталось прибавить } 4758 \text{ — } 1044 = 4758 \text{ — } 1000 \text{ — } 44 = 3758 \\ \text{— } 44 = 3700 + 58 \text{ — } 44$$

$$58 \text{ — } 44 = 6 + 8 = 5 + 5 + 1 + 3 = 14$$

$$3700 + 14 = 3714$$

$$20000 + 3714 = 23714$$

$$137 * 68$$

# 137 \* 68

Тактика:

$$93,5 * 93,5 - 34,5^2$$

$$100 * 68 + 30 * 68 + 7 * 68$$

$$137 * 75 - 137 * 7$$

$$137 * 70 - 137 * 2$$

$$137 * 70 = 137 * 50 + 137 * 20$$

$$137 * 50 = 137 : 2 * 100$$

$$137 : 2 = 100 : 2 + 30 : 2 + 7 : 2 = 50 + 15 + 3,5 = 65 + 3,5 = 68,5$$

$$\cdot 68,5 * 100 = 6850$$

$$137 * 20 = 100 * 2 + 30 * 2 + 7 * 2 = 200 + 60 + 5+5 +2 +2 = 200 + 60+10 + 4 = 2740$$

$$6850 + 2740 - 274 = 6850 + 150 + 2740 - 150 - 274 =$$

$$= 7000 + 2740 - 150 - 274$$

$$2740 - 150 - 274$$

$$150 + 274 = 274 + 26 + (150 - 26) = 300 + 100 + 50 - 20 \\ - 6 = 400 + 30 - 6 = 420 + 10 - 6 = 424$$

$$2740 - 424 = 2000 + 740 - 424 = 2300 + 440 - 424$$

$$440 - 424 = 6 + 10 = 16$$

$$2300 + 16 = 2316$$

$$7000 + 2316 = 7000 + 2000 + 316 = 9000 + 316 = 9316$$