

Solutions

How to read the solutions

The solutions are ordered by book page; each exercise appears under its title from the book. Answers follow the reading order in the book: row by row, left to right; multiple values are separated by |. For picture exercises, a small sketch shows the finished solution.

Review up to 100

Plus and minus up to 100

59 | 32 | 36 | 79
36 | 78 | 56 | 36
25 | 85 | 34 | 44
52 | 33 | 82 | 53

Calculate across the ten

27+3+2=32 | 48+2+5=55
56+4+4=64 | 79+1+5=85
36+4+5=45 | 65+5+2=72
88+2+3=93 | 43+7+1=51

Build up the wall!

57 | 63 | 55
83, 40, 43 | 79, 42, 37 | 55, 24, 31
82, 41, 41, 20, 21, 20 | 82, 42, 40, 20, 22, 18 |
91, 43, 48, 20, 23, 25

Plus table up to 100

35, 48, 54	40, 54, 59	49, 62, 75
53, 66, 72	59, 73, 78	27, 40, 53
29, 42, 48	33, 47, 52	60, 73, 86
48, 61, 67	66, 80, 85	38, 51, 64

Numbers up to 100 on the line

10, 30, 40, 60, 80, 90
5, 15, 25, 30, 40
55, 65, 70, 80, 90, 95
20, 30, 40, 45, 55, 65
35, 40, 50, 60, 65, 75
40, 50, 55, 65, 75, 80

Find the neighbors up to 100

15, 17 | 28, 30 | 33, 35
46, 48 | 52, 54 | 61, 63
70, 72 | 77, 79 | 84, 86
91, 93 | 96, 98 | 20, 22

Break into tens and ones

6 | 50 | 4 | 40 | 7
60 | 3 | 90 | 9 | 70

Multiply the number

4
7
9
6

Swap problems in multiplication

6·10=10·6 | 10·8=8·10
6·9=9·6 | 5·7=7·5
8·5=5·8 | 4·5=5·4
6·4=4·6 | 9·8=8·9

Reverse problems for the times tables

9, 10 | 9, 6 | 7, 4
10, 4 | 9, 8 | 10, 6
7, 8 | 9, 5 | 3, 7

Compare the numbers up to 100

> | = | > | =
< | > | > | <
= | < | < | =

> | < | < | >

Order the numbers up to 100

15 < 48 < 79
37 < 63 < 92
26 < 54 < 71
18 < 65 < 89

Division tasks

10 | 9 | 8 | 3 | 4 | 7 | 6 | 8 | 6 | 7 | 9 | 8

Euli made a mistake

62 | 84
46 | 43
83 | 92
49 | 46

Magic square - sum 36

14, 16, 8, 10 | 14, 8, 16, 10 | 11, 9, 15, 13

Small word problems

51 | 37 | 83 | 36 | 31

Squares up to 100

12 17	25 13	18 24	31 17	14 23
23 14	16 21	15 32	26 22	36 25
27 19	22 35	16 29	15 26	29 12
28 13	41 18	34 27	17 38	24 31

Who am I?

34 | 78 | 61 | 42

Minus table up to 100

44, 33, 19	48, 36, 29	42, 28, 19
69, 58, 44	56, 44, 37	67, 53, 44
33, 22, 8	34, 22, 15	56, 42, 33
81, 70, 56	73, 61, 54	79, 65, 56

Numbers up to 1000

Split into hundreds and rest

47 | 500 | 63 | 400 | 15
700 | 56 | 900 | 71 | 600

Numbers in the place value chart

1, 3, 6 | 2, 5, 4 | 3, 0, 8 | 4, 2, 5 | 5, 1, 9 | 6, 0, 7 | 7, 4, 3 | 8, 6, 2
9, 5, 0 | 2, 8, 1 | 3, 9, 4 | 4, 7, 6 | 1, 7, 2 | 5, 8, 9 | 2, 1, 3 | 7, 6, 5

The number tree grows

263, 188 | 870, 163

Find the place values

124, 234, 534, 644, 814, 944 | 173, 374, 578, 671, 779, 975

In steps of 10 and 100

155 | 445
268 | 563
376 | 956
603 | 547

Hundreds on the number line

100, 300, 400, 600, 800, 900
0, 200, 400, 500, 700, 900
50, 150, 250, 300, 400, 500
550, 650, 700, 800, 850, 950
250, 350, 400, 500, 600, 650
300, 400, 450, 550, 650, 700

Solutions

Break the number into H, T and O

2, 3, 5 | 4, 1, 8 | 5, 6, 1 | 1, 7, 4 | 6, 4, 0 | 8, 5, 2

Neighbor numbers up to 1000

124, 126 | 237, 239

345, 347 | 450, 452

566, 568 | 671, 673

788, 790 | 813, 815

Ten less and ten more

335, 355 | 277, 297 | 419, 439

462, 482 | 744, 764 | 563, 583

508, 528 | 826, 846 | 608, 628

653, 673 | 911, 931 | 782, 802

Compare the big numbers

$< | > | > | <$

$= | < | < | =$

$> | = | < | >$

$> | < | > | >$

Rounding to tens

230 | 480 | 350 | 690 | 120 | 570 | 820 | 940

Who am I?

472 | 603 | 700 | 854

Sort from small to large!

154 < 415 < 451

263 < 326 < 632

578 < 785 < 857

494 < 944 < 949

Even or odd?

even: 124, 562, 736 | odd: 357, 873, 691

Split up to the ten

6 | 470 | 8 | 690 | 7

280 | 9 | 960 | 4 | 810

Look closely!

341, 343, 344, 346, 347, 349

471, 472, 474, 476, 478, 479

560, 562, 564, 565, 567, 569

691, 693, 695, 696, 698, 700

811, 812, 814, 816, 817, 819

990, 992, 993, 995, 997, 998

Even more neighbor numbers

511, 513 | 633, 635

744, 746 | 907, 909

198, 200 | 299, 301

828, 830 | 962, 964

A hundred less and a hundred more

134, 334 | 545, 745 | 173, 373

256, 456 | 628, 828 | 419, 619

381, 581 | 712, 912 | 537, 737

467, 667 | 793, 993 | 654, 854

Compare even more numbers

$> | > | < | <$

$> | < | < | =$

$< | = | > | <$

$< | < | > | >$

Rounding to tens - your turn!

350 | 130 | 890 | 760 | 270 | 490 | 940 | 610

Even more riddles

638 | 704 | 300 | 663

Order even more numbers

263 < 326 < 632

148 < 481 < 814

297 < 729 < 972

153 < 315 < 531

Even or odd? Round 2

even: 860, 628, 984 | odd: 743, 915, 371

Counting hits in the hundreds

Cross ($\times 2$): 302, 304, 306, 308, 310, 312, 314, 316, 318, 320

Circle ($\times 5$): 305, 310, 315, 320 | Both marks: 310, 320

In steps of 4 and 20

116 | 192

228 | 315

344 | 894

480 | 755

Rounding to hundreds

400 | 300 | 700 | 600 | 800 | 200 | 500 | 900

Building the number from place values

247 | 503 | 198 | 630 | 815 | 372 | 926 | 489 | 751 | 204 | 663

137 | 548 | 309 | 870 | 165

Counting hits in the hundreds - your turn!

Cross ($\times 3$): 702, 705, 708, 711, 714, 717, 720, 723, 726, 729, 732, 735, 738 | Circle ($\times 10$): 710, 720, 730, 740

Both marks: 720

Splitting like a pro

18 | 700 | 54 | 800 | 91

900 | 63 | 800 | 85 | 600

Another number tree

335, 264 | 893, 183

The big comparison finale

$< | < | > | <$

$< | > | < | >$

$> | < | < | <$

$= | < | = | >$

Even or odd? Round 3

even: 512, 836, 950 | odd: 749, 267, 673

Neighbor numbers, third time around

263, 265 | 616, 618

437, 439 | 842, 844

525, 527 | 950, 952

779, 781 | 398, 400

One hundred less, one hundred more, round 2

218, 418 | 326, 526 | 285, 485

442, 642 | 763, 963 | 676, 876

587, 787 | 494, 694 | 408, 608

659, 859 | 571, 771 | 749, 949

Sorting, third time around

376 < 637 < 763

458 < 584 < 845

259 < 529 < 925

168 < 681 < 816

The riddle finale

852 | 597 | 800 | 936

Breaking apart with a zero

9, 0, 3 | 5, 0, 7 | 3, 8, 0 | 2, 1, 6 | 7, 9, 5 | 4, 6, 8

Place value chart mixed

3, 4, 8 | 914 | 7, 0, 2 | 268 | 5, 9, 6 | 407 | 8, 3, 1 | 652 | 2, 6, 4

183 | 9, 7, 0 | 746 | 4, 1, 5 | 329 | 6, 8, 3 | 591

Even or odd? Round 4

even: 968, 832, 954 | odd: 745, 691, 877

Solutions

Plus and minus up to 1000

Adding full hundreds

300, 400, 500 500, 600, 700 500, 700, 900
400, 500, 600 700, 800, 900 300, 500, 700
500, 600, 700 300, 400, 500 400, 600, 800
600, 700, 800 400, 500, 600 200, 400, 600

Number walls up to 1000

575 | 643 | 563
767, 373, 394 | 734, 339, 395 | 559, 247, 312
842, 421, 421, 205, 216, 205 | 861, 438, 423, 208, 230, 193 |
940, 443, 497, 205, 238, 259

Hundreds and tens without crossing

370 | 50
50 | 670
350 | 590
520 | 440

Euli has miscalculated again

570 | 690
530 | 240
400 | 720
460 | 430

In steps of 25 and 50

200 | 495
385 | 775
495 | 900
335 | 735

Warming up with two-digit numbers

70, 13, 83 | 70, 15, 85 | 70, 14, 84 | 80, 13, 93 | 80, 15, 95
80, 11, 91

Crossing the ten up to 1000

592+8+1=601 | 865+5+3=873
478+2+5=485 | 734+6+3=743
246+4+4=254 | 357+3+2=362
683+7+2=692 | 519+1+5=525

Written addition without a carry

376 | 875 | 694 | 466
578 | 797 | 677 | 588
678 | 683 | 878 | 839

Subtracting full hundreds

400, 300, 200 400, 200, 100 250, 150, 50
600, 500, 400 600, 400, 300 700, 600, 500
300, 200, 100 700, 500, 400 450, 350, 250
800, 700, 600 500, 300, 200 800, 700, 600

Reverse tasks up to 1000

125, 234 | 316, 252 | 243, 415
152, 326 | 231, 547 | 424, 263
335, 142 | 513, 256 | 246, 312

Column subtraction

245 | 422 | 552 | 412
235 | 432 | 216 | 313
442 | 443 | 411 | 322

Crossing the ten in your head

424 | 154
165 | 723
358 | 852
376 | 373

Estimating up to 1000

800 | 400 | 800 | 400 | 800 | 500

Euli calculates again

643 | 732
793 | 227
274 | 625
267 | 374

Splitting before calculating

46 | 500 | 25 | 300 | 67
800 | 83 | 200 | 71 | 800

Subtracting with regrouping

354 | 238 | 278 | 368
478 | 355 | 267 | 364

Written addition with a carry

563 | 627 | 655 | 643
683 | 877 | 784 | 713

Word problems up to 1000

748 | 164 | 644 | 145 | 283

Completing up to 1000

433 | 217
148 | 637
359 | 827
427 | 536

One hundred less, one hundred more in your head

136, 336 | 294, 494 | 149, 349
371, 571 | 752, 952 | 680, 880
505, 705 | 417, 617 | 331, 531
628, 828 | 563, 763 | 796, 996

Adding with two carries

634 | 842 | 832 | 834
723 | 844 | 933 | 726

Even more number walls

601 | 738 | 692
742, 336, 406 | 753, 400, 353 | 949, 420, 529
832, 424, 408, 236, 188, 220 | 842, 448, 394, 250, 198, 196 |
862, 448, 414, 245, 203, 211

Compare up to 1000

< | > | = | >
< | < | > | <
> | = | < | >
= | < | > | >

More word problems up to 1000

623 | 234 | 752 | 249 | 801

Rounding helps you estimate

530 | 370 | 690 | 250 | 910 | 460 | 800 | 350

Two steps to the solution

463 → 367
425 → 175
303 → 107
370 → 70
254 → 459

Subtracting with double regrouping

66 | 159 | 179 | 233
584 | 124 | 257 | 699

Completing with a changing gap

563 | 267
365 | 724
347 | 913
445 | 437

Adding tens numbers

Solutions

510, 600, 690 590, 500, 770 710, 900, 830
 660, 750, 840 730, 640, 910 780, 970, 900
 750, 840, 930 800, 710, 980 550, 740, 670
 590, 680, 770 520, 430, 700 500, 690, 620

Reverse problems, round 2

263, 358 | 417, 269 | 385, 152
 274, 463 | 529, 246 | 318, 425
 456, 237 | 364, 508 | 243, 619

In steps of 30 and 100

235 | 455
 358 | 536
 502 | 895
 614 | 575

Euli calculates a third time

725 | 762
 287 | 367
 712 | 814
 457 | 367

The addition finale

636 | 824 | 861 | 833
 825 | 843 | 762 | 845

Crossing the ten once more

$356+4+4=364$ | $647+3+3=653$
 $583+7+2=592$ | $768+2+5=775$
 $425+5+2=432$ | $294+6+3=303$
 $836+4+1=841$ | $179+1+7=187$

Compare up to 1000, round 2

$< | < | > | <$
 $< | < | > | >$
 $> | > | < | <$
 $= | > | = | <$

Subtraction with jottings

478, 474 | 472, 467 | 485, 478 | 463, 455 | 386, 377 | 487, 485

The subtraction finale

267 | 223 | 257 | 276
 367 | 357 | 467 | 676

Times and divide

Multiply the big tables

9
 8
 6
 8

Multiply the dice

10 | 12 | 6 | 8
 30 | 15 | 20 | 12
 3 | 4 | 24 | 36
 6 | 18 | 2 | 5

Swap problems in multiplication

$7 \cdot 5 = 5 \cdot 7$ | $9 \cdot 10 = 10 \cdot 9$
 $10 \cdot 6 = 6 \cdot 10$ | $6 \cdot 7 = 7 \cdot 6$
 $8 \cdot 10 = 10 \cdot 8$ | $4 \cdot 8 = 8 \cdot 4$
 $7 \cdot 3 = 3 \cdot 7$ | $8 \cdot 7 = 7 \cdot 8$

Counting on in multiplication steps

72 | 72
 63 | 54
 88 | 56
 72 | 54

Times as a dot array

24 | 30 | 36 | 18

Calculating with core tasks

42, 35, 7, 42 | 63, 45, 18, 63
 49, 35, 14, 49 | 18, 15, 3, 18
 54, 45, 9, 54 | 21, 15, 6, 21

Semi-written multiplying

30, 6, 36 | 30, 9, 39
 80, 4, 84 | 80, 8, 88
 70, 7, 77 | 60, 9, 69

Times tables

12, 24, 36	12, 21, 24	12, 16, 18
21, 42, 63	24, 42, 48	30, 40, 45
24, 48, 72	36, 63, 72	48, 64, 72
18, 36, 54	28, 49, 56	24, 32, 36

Times with tens numbers

120 | 540
 180 | 80
 6 | 630
 560 | 720

Written multiplying

48 | 77 | 28 | 26
 63 | 88 | 69 | 84
 39 | 84 | 62 | 36
 96 | 66 | 88 | 88

Big times tables divided

9 | 9 | 7 | 8 | 12 | 14 | 13 | 13 | 17 | 15 | 11 | 11

Dividing with a remainder

9, 2 | 8, 7 | 5, 6 | 9, 4 | 7, 4 | 6, 4 | 7, 2 | 6, 4

Square numbers

4 | 36
 9 | 49
 16 | 64
 25 | 81

Crossing the ten

60, 21, 81 | 50, 35, 85
 50, 40, 90 | 40, 36, 76
 60, 36, 96 | 60, 24, 84

Splitting for multiplication

7 | 40 | 8 | 50 | 6
 60 | 5 | 30 | 4 | 50

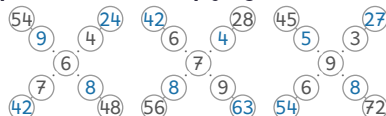
With a carry

282 | 87 | 581
 152 | 520 | 553
 392 | 592 | 522

Keep skip counting

6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, 42
 12, 18, 24, 30, 36, 42, 48, 54, 60, 66, 72, 78, 84
 14, 21, 28, 35, 42, 49, 56, 63, 70, 77, 84, 91, 98
 16, 24, 32, 40, 48, 56, 64, 72, 80, 88, 96
 18, 27, 36, 45, 54, 63, 72, 81, 90, 99

Spider wheel - multiplying



Dividing with a remainder up to 100

5, 8 | 7, 5 | 6, 3 | 8, 5 | 9, 3 | 9, 2 | 4, 3 | 8, 5

Solutions

With three-digit numbers

492 | 924 | 645

642 | 741 | 688

966 | 954 | 924

Even more multiplication tables

42, 48, 54 20, 30, 35 15, 24, 27

49, 56, 63 28, 42, 49 30, 48, 54

56, 64, 72 32, 48, 56 35, 56, 63

63, 72, 81 36, 54, 63 45, 72, 81

Semi-written dividing

30, 2, 32 | 90, 2, 92

20, 6, 26 | 90, 3, 93

100, 1, 101 | 80, 6, 86

Divide with big numbers

102 | 91 | 201 | 141 | 81 | 88 | 67 | 99 | 83 | 87 | 36 | 23

Find the gap in the times table

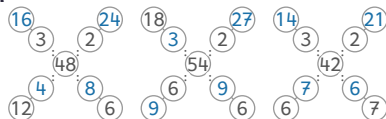
42 | 8

8 | 9

3 | 56

48 | 54

Spider wheel - divide



Practice counting rows

4, 8, 12, 16, 20, 24, 28, 32, 36, 40

6, 12, 18, 24, 30, 36, 42, 48, 54, 60

7, 14, 21, 28, 35, 42, 49, 56, 63, 70

8, 16, 24, 32, 40, 48, 56, 64, 72, 80

Multiples - even or odd?

even: 648, 924, 476 | odd: 735, 581, 803

Linking times and divided

3, 8 | 8, 10 | 8, 9

5, 6 | 6, 10 | 7, 9

6, 9 | 4, 7 | 4, 9

Multiplication and division stories

96 | 9 | 54 | 8 | 12

Dividing with remainder - pro round

13, 2 | 16, 1 | 9, 5 | 11, 7 | 7, 5 | 15, 1 | 9, 7 | 8, 3

Key facts as calculation helpers

48, 40, 8, 48 | 28, 20, 8, 28

56, 40, 16, 56 | 36, 30, 6, 36

24, 20, 4, 24 | 42, 30, 12, 42

Multiply the dice again

25 | 30 | 24 | 16

18 | 20 | 12 | 15

12 | 6 | 10 | 8

9 | 5 | 6 | 4

More times and division

9, 6 | 10, 9 | 9, 3

7, 10 | 8, 7 | 5, 7

4, 8 | 8, 5 | 10, 8

Multiply with new numbers

10

7

9

5

Continuing rows with confidence

8, 12, 16, 20, 24, 28, 32, 36, 40, 44, 48, 52, 56

12, 18, 24, 30, 36, 42, 48, 54, 60, 66, 72, 78, 84

16, 24, 32, 40, 48, 56, 64, 72, 80, 88, 96

18, 27, 36, 45, 54, 63, 72, 81, 90, 99

14, 21, 28, 35, 42, 49, 56, 63, 70, 77, 84, 91, 98

Spotting swapped facts with confidence

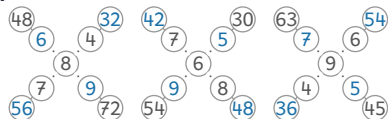
10·9=9·10 | 9·5=5·9

4·10=10·4 | 7·8=8·7

4·7=7·4 | 7·9=9·7

6·5=5·6 | 6·9=9·6

Spider wheel with new numbers



Dot arrays to practice

24 | 30 | 20 | 18

Tricky number stories

99 | 12 | 96 | 15 | 84

Counting rows round two

3, 6, 9, 12, 15, 18, 21, 24, 27, 30

6, 12, 18, 24, 30, 36, 42, 48, 54, 60

9, 18, 27, 36, 45, 54, 63, 72, 81, 90

8, 16, 24, 32, 40, 48, 56, 64, 72, 80

Measurements and measuring

Reading lengths

6 | 9 | 4 | 11 | 7 | 2 | 5 | 10

Measuring bars

A: 12

A: 9

B: 17

B: 13

C: 8

C: 5

D: 14

D: 11

A: 15

A: 12

B: 10

B: 6

C: 18

C: 16

D: 7

D: 9

Meters, centimeters and grams

300 | 2000

4 | 500

3 | 7

4000 | 800

Comparing weights

> | = | < | < | < | = | > | >

Which scale fits?

left heavier | right heavier | Balanced | left heavier

right heavier | Balanced | left heavier | right heavier

Working out days on the calendar

left: 10, 16, 3 | right: 5, 13, 2

Days and weeks in the calendar

1) 24

2) 21

3) 28. September

4) 20

Full, half and quarter hours

7:00 | 3 | 9:15 | 11:45

5 | 2:15 | 8:45 | 12:00

Solutions

6:15 | 1:00 | 10 | 4:45

Comparing liters and milliliters

$> | < | < | = | < | > | = | <$

O'clock and half-past times

60 | 30

30 | 90

90 | 120

Kilometers, liters and millimeters

2000 | 4000

7 | 3

60 | 2

5000 | 4

How much change?

\$6 | \$5

\$17 | \$2

Euli goes shopping

\$2 and 35¢

\$3 and 45¢

\$4 and 95¢

\$5 and 80¢

Weeks and months in the calendar

30 | 18 | 1 | 28

To the nearest five minutes

4:10 | 8:25 | 1:50 | 10:05

6:35 | 3:55 | 12:20 | 7:40

9:05 | 2:10 | 11:35 | 5:50

Quarter hours and minutes

45 | 15

20 | 50

35 | 100

Counting big amounts

\$20 | \$23 and 30¢

\$27 and 50¢ | \$32 and 70¢

\$13 and 70¢ | \$20

\$25 and 50¢ | \$27 and 20¢

Making amounts with coins

\$5 + \$1 + \$1

\$5 + \$5 + \$1 + \$1 + 25¢ + 25¢

\$5 + \$1 + \$1 + \$1 + 25¢ + 25¢ + 10¢ + 10¢

\$5 + 25¢ + 10¢ + 5¢

\$5 + \$5 + \$5 + 10¢ + 10¢

\$5 + \$1 + \$1 + \$1 + \$1 + 25¢ + 25¢ + 25¢ + 10¢ + 5¢

\$5 + \$5 + \$1 + \$1 + \$1 + 25¢ + 10¢ + 10¢

Adding dollars and cents

\$7 and 24¢ | \$14 and 23¢ | \$13 and 44¢ | \$16 and 83¢

Weights and volumes mixed

$> | < | < | = | > | < | > | <$

All units mixed

4 | 2000

8 | 90

3000 | 5

3000 | 4

Matching mixed weights

Balanced | left heavier | right heavier | Balanced | left heavier

right heavier | Balanced | right heavier

Long time spans over several hours

155 | 135

165 | 165

210 | 255

Reading lengths once more

8 | 13 | 5 | 15 | 10 | 3 | 14 | 12

Clock times to finish

2:25 | 9:40 | 5:10 | 11:55

3:20 | 7:05 | 1:35 | 10:50

6:25 | 12:45 | 4:55 | 8:15

Comparing measures to finish

$> | < | > | = | < | < | < | =$

Matching scales to finish

Balanced | right heavier | left heavier | Balanced | right heavier

left heavier | right heavier | Balanced

Euli goes shopping again

\$2 and 45¢

\$3 and 55¢

\$4 and 15¢

\$5 and 70¢

Time spans to finish

165 | 195

135 | 200

205 | 205

Days on the calendar once more

left: 8, 17, 3 | right: 12, 19, 4

Geometry

Counting and sorting shapes

4, 1

3, 1

2, 1

Continuing border patterns

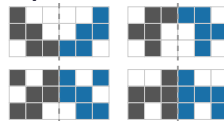


Finding right angles

4 | 1

2 | 0

Complete the mirror images



Covering areas

12 | 5

7 | 8

Working out the perimeter

16 cm | 20 cm | 18 cm | 28 cm | 22 cm | 36 cm

Adding blocks up

8+7=15 | 9+8=17 | 7+9=16

9+6=15 | 8+6=14 | 6+7=13

7+7=14 | 9+9=18 | 8+8=16

Which one is a cube net?

Yes | No

Yes | No

Right angles on slopes

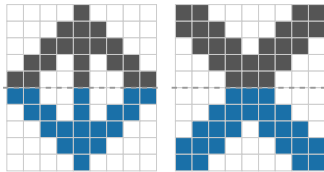
2 | 5

3 | 4

Solutions

Geometry · continued

Mirroring at the across axis



Tricky areas

10 | 13

11 | 12

Squares and rectangles

24 cm | 30 cm | 36 cm | 40 cm | 20 cm | 34 cm

Taking blocks apart

$9-4=5$ | $7-5=2$ | $7-3=4$

$8-3=5$ | $8-6=2$ | $8-4=4$

$9-6=3$ | $9-2=7$ | $9-3=6$

Which faces do you need?

Circle 0, Triangle 0, Square 6, Rectangle 0

Circle 0, Triangle 0, Square 0, Rectangle 6

Circle 0, Triangle 4, Square 1, Rectangle 0

Circle 2, Triangle 0, Square 0, Rectangle 0

Circle 1, Triangle 0, Square 0, Rectangle 0

Circle 0, Triangle 0, Square 0, Rectangle 0

Corners, edges and faces

8 | 12 | 5 | 3 | 0 | 2

Word problems and data

Word problems with two steps

406 | 147 | 497 | 42 | 291

Traffic count in front of the school

26 | 19 | 14 | 23 | Car

Double big numbers

30 | 80 | 130 | 240 | 500 | 760 | 50 | 140 | 190 | 300 | 640 | 900

The club choice

Computers | 12 | 42 | Gardening

Combining shapes and patterns

12 | 4 | 3

Which bar is wrong?

Pigeon: richtig 7 (gezeichnet 4)

Word problems with an extra step

$375 \rightarrow 290$

$292 \rightarrow 108$

$320 \rightarrow 30$

$350 \rightarrow 30$

$287 \rightarrow 502$

Word problems with quantities

285 | 200 | 400 | 183 | 175

Certain, possible or impossible?

certain | impossible | possible | possible

Find the wrong bar

Swimming: richtig 4 (gezeichnet 8)

From the table to the chart

Pretzel: 8 | Apple: 5 | Cereal bar: 9 | Juice: 6 | Cereal bar

Visitors at the swimming pool

Saturday | 235 | 55 | Friday

Favorite fruit in Class 3b

21 | 17 | 28 | 24 | Strawberry

Halve big numbers

15 | 42 | 60 | 124 | 180 | 250 | 23 | 46 | 75 | 142 | 210 | 320

From the chart to the table

Football: 9 | Swimming: 6 | Dance: 4 | Gymnastics: 7 | Football

Mixed practice

Addition in the big number range

868 | 281

283 | 337

484 | 384

544 | 237

Compare once more

$> | = | < | <$

$< | > | < | =$

$> | < | < | <$

$> | < | > | <$

Neighboring numbers once more

213, 215 | 328, 330

434, 436 | 539, 541

651, 653 | 762, 764

870, 872 | 985, 987

Sort once more

$248 < 482 < 824$

$165 < 615 < 651$

$397 < 739 < 973$

$286 < 628 < 862$

Break into hundreds and rest

52 | 300 | 79 | 200 | 37

100 | 25 | 400 | 61 | 900

Number walls once more

601 | 443 | 719

591, 280, 311 | 611, 311, 300 | 578, 278, 300

583, 279, 304, 130, 149, 155 | 553, 285, 268, 148, 137, 131 |

501, 259, 242, 134, 125, 117

Calculation tables once more

450, 550, 650 300, 500, 700 220, 420, 620

600, 700, 800 500, 700, 900 370, 570, 770

350, 450, 550 350, 550, 750 520, 720, 920

750, 850, 950 550, 750, 950 270, 470, 670

Swap tasks with addition

$264+138=138+264$ | $398+152=152+398$

$452+317=317+452$ | $471+326=326+471$

$189+276=276+189$ | $218+365=365+218$

$563+241=241+563$ | $542+187=187+542$

Inverse tasks once more

236, 415 | 347, 258 | 129, 564

482, 317 | 195, 376 | 263, 548

371, 206 | 154, 429 | 518, 267

Which is more likely?

the filled one | the dotted one | the dotted one | any marble

Rounding once more

260 | 420 | 530 | 670 | 380 | 760 | 850 | 920

Division once more

99 | 81 | 83 | 16 | 13 | 16 | 129 | 89 | 89 | 15 | 22 | 14

Division with remainder once more

88, 1 | 88, 2 | 9, 1 | 9, 5 | 92, 6 | 8, 6 | 93, 8 | 9, 4

Break down to the tens

3 | 570 | 9 | 710 | 2

Solutions

190 | 1 | 280 | 3 | 350

Swap tasks with multiplication

$9 \cdot 7 = 7 \cdot 9$ | $70 \cdot 9 = 9 \cdot 70$

$8 \cdot 70 = 70 \cdot 8$ | $6 \cdot 90 = 90 \cdot 6$

$6 \cdot 4 = 4 \cdot 6$ | $9 \cdot 4 = 4 \cdot 9$

$9 \cdot 60 = 60 \cdot 9$ | $7 \cdot 80 = 80 \cdot 7$

Semi-written calculation once more

80, 11, 91 | 90, 14, 104 | 80, 12, 92 | 80, 14, 94 | 90, 11, 101

80, 10, 90

Multiply once more

6

7

8

4

Equally likely?

exactly equal | the striped one | the empty one | impossible

Column addition once more

651 | 634 | 813 | 852

727 | 833 | 751 | 744

Column subtraction once more

475 | 465 | 338 | 467

467 | 538 | 267 | 476

Addition and subtraction mixed

699 | 332

315 | 593

477 | 777

484 | 547

Sort to finish

$175 < 517 < 751$

$309 < 390 < 903$

$486 < 648 < 864$

$127 < 271 < 712$

Word problems once more

639 | 228 | 413 | 175 | 743

Filled or striped?

the striped one | 2 | the striped one | possible

Even more practice

Compare again

$> | < | > | >$

$> | < | > | =$

$< | > | < | <$

$> | > | > | <$

Neighboring numbers again

177, 179 | 292, 294

406, 408 | 515, 517

623, 625 | 737, 739

844, 846 | 961, 963

Ten less and ten more

205, 225 | 663, 683 | 375, 395

318, 338 | 771, 791 | 502, 522

436, 456 | 884, 904 | 639, 659

549, 569 | 257, 277 | 748, 768

Sort again

$367 < 376 < 673$

$208 < 280 < 820$

$159 < 591 < 915$

$347 < 734 < 743$

Break into hundreds and rest, again

13 | 700 | 65 | 800 | 37

500 | 26 | 100 | 59 | 300

Number walls again

485 | 630 | 747

633, 310, 323 | 612, 310, 302 | 639, 310, 329

556, 270, 286, 131, 139, 147 | 571, 298, 273, 156, 142, 131 |

577, 304, 273, 158, 146, 127

Calculation tables again

400, 500, 600 400, 600, 700 400, 500, 700

600, 700, 800 600, 800, 900 600, 700, 900

500, 600, 700 300, 500, 600 500, 600, 800

700, 800, 900 500, 700, 800 300, 400, 600

Swap tasks with addition, again

$327 + 145 = 145 + 327$ | $391 + 148 = 148 + 391$

$456 + 289 = 289 + 456$ | $462 + 317 = 317 + 462$

$178 + 362 = 362 + 178$ | $209 + 356 = 356 + 209$

$534 + 217 = 217 + 534$ | $543 + 176 = 176 + 543$

Inverse tasks again

214, 368 | 329, 247 | 156, 489

437, 258 | 192, 376 | 284, 519

365, 247 | 178, 436 | 521, 289

Multiply again

8

7

6

8

Rounding again

340 | 590 | 220 | 760 | 440 | 890 | 160 | 670

Division again

122 | 72 | 91 | 48 | 63 | 64 | 18 | 144 | 67 | 12 | 49 | 18

Division with remainder again

87, 3 | 95, 1 | 70, 1 | 74, 8 | 97, 4 | 9, 4 | 90, 6 | 9, 2

Break down to the tens, again

7 | 680 | 9 | 750 | 3

160 | 6 | 270 | 5 | 600

Swap tasks with multiplication, again

$8 \cdot 6 = 6 \cdot 8$ | $80 \cdot 7 = 7 \cdot 80$

$9 \cdot 70 = 70 \cdot 9$ | $7 \cdot 90 = 90 \cdot 7$

$7 \cdot 4 = 4 \cdot 7$ | $8 \cdot 4 = 4 \cdot 8$

$8 \cdot 80 = 80 \cdot 8$ | $60 \cdot 9 = 9 \cdot 60$

Subtraction in the big number range

583 | 256

323 | 780

634 | 475

377 | 469

Sort a third time

$459 < 594 < 945$

$367 < 673 < 736$

$128 < 281 < 812$

$405 < 450 < 540$

Semi-written calculation again

70, 15, 85 | 70, 13, 83 | 80, 7, 87 | 70, 16, 86 | 80, 11, 91

60, 13, 73

Column addition again

632 | 693 | 823 | 732

647 | 793 | 751 | 725

Solutions

Column subtraction again

467 | 468 | 324 | 478

473 | 555 | 289 | 477

Final sprint: number tree

213, 172 | 745, 248

Compare a third time

< | > | < | =

> | < | > | <

= | > | < | >

< | = | > | <

Who am I? Once more

369 | 506 | 700 | 642

Double again

70 | 120 | 170 | 280 | 540 | 780 | 90 | 160 | 210 | 320 | 660 | 920

Addition and subtraction mixed, again

634 | 376

367 | 632

337 | 738

478 | 567

Word problems again

564 | 238 | 573 | 215 | 652

Division with remainder a third time

87, 5 | 66, 1 | 90, 5 | 43, 5 | 150, 2 | 8, 3 | 133, 3 | 15, 4

Multiply a third time

8

7

9

9

Puzzling and playing

Magic square - sum 15

7, 6, 9, 1, 3, 8 | 9, 7, 3, 6, 8 | 6, 2, 8, 4

Magic triangles - sum 25

8, 16, 5 | 7, 13, 12 | 12, 10, 4 | 5, 11, 8

Big math square

12	25	13	24	17	30	35	22	18
18	16	15	21	28	19	27	31	24
22	14	20	16	23	25	20	26	33

Secret wizard writing

73 | 28 | 62

53 | 8 | 45

64 | 9 | 17

Arrow arithmetic up to 100

+8, -31, +23, +15, +8

-15, +42, -27, -12, -15

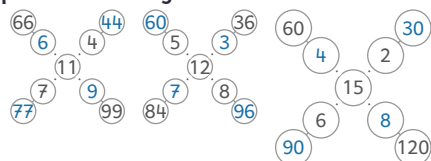
+12, -39, +27, +15, +12

-18, +53, -35, -17, -18

+17, -49, +32, +15, +17

-14, +45, -31, -17, -14

Spider wheel - big tables



Which number comes next?

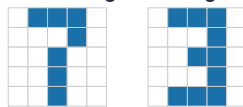
200 | 710

552 | 774

330 | 495

777 | 599

Number magic in the grid



Difficult magic square - sum 15

6, 1, 8, 7, 3, 9 | 4, 9, 2, 3, 7, 1 | 8, 4, 1, 9, 7, 2

Clues to the ingredient

165, 135, 220, 160, 250 → yes

170, 315, 225, 345, 250 → yes

400, 250, 320, 280, 390 → no

Find the right path!

24+25+12=61 | 37+25+11=73

27+40+35=102 | 34+30+13=77

16+35+40=91 | 13+28+15=56

Escape the number dungeon!

68, 62, 69, 70, 64, 67, 76, 81 | 63, 57, 59, 64, 65, 66, 67, 70, 67

Magic square - sum 60

24, 18, 16, 21 | 21, 24, 18 | 19, 17, 23, 21

Pick the right cards

32+37 | 39+15

18+35 | 26+52

44+25 | 49+15

38+27 | 30+38

Boss level: Grade 3

45+38=83, 27+52=79, 83+79=162

62+19=81, 44+36=80, 81+80=161

73+28=101, 55+44=99, 101+99=200

48+35=83, 27+40=67, 83+67=150, 150+25=175, 175+125=300

52+38=90, 45+30=75, 90+75=165, 165+35=200, 200+150=350

65+42=107, 58+35=93, 107+93=200, 200+50=250,

250+250=500