**Lösungen (Klassenstufe 3)**

**Nr. 5**

|  |  |  |
| --- | --- | --- |
| **Vorgänger** |  | **Nachfolger** |
| 289 | 290 | 291 |
| 788 | 789 | 790 |
| 799 | 800 | 801 |
| 608 | 609 | 610 |
| 598 | 599 | 600 |
| 999 | 1000 | 1001 |

**Nr. 7** (Zahlenreihen weiterführen)

a) b) c) d) e)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 197 | 198 | 199 | 200 | 201 | 202 | 203 | 204 | 205 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 680 | 685 | 690 | 695 | 700 | 705 | 710 | 715 | 720 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 247 | 257 | 267 | 277 | 287 | 297 | 307 | 317 | 327 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 704 | 703 | 702 | 701 | 700 | 699 | 698 | 697 | 696 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 950 | 940 | 930 | 920 | 910 | 900 | 890 | 880 | 870 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 512 | 507 | 502 | 497 | 492 | 487 | 482 | 477 | 472 |

f)

**Nr. 8** (Lücken im Zahlenstrahl ausfüllen)

35 45 50 55 65 75 80 85

200 250

330

400

470 560

600

680

782

790

794

800

804

810

818

830

**Nr. 9** (Das Doppelte)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 30 | 50 | 100 | 300 | 250 | 410 | 155 |
| 60 | **100** | **200** | **600** | **500** | **820** | **310** |

**Nr. 10** (Die Hälfte)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 60 | 400 | 160 | 220 | 850 | 210 | 700 |
| 30 | **200** | **80** | **110** | **425** | **105** | **350** |

**Nr. 11** (Nach Größe ordnen)

192 – 219 – 316 – 411 – 503 – 530 – 602 – 872 – 900

**Nr. 12** (Nach Größe ordnen, in umgekehrter Reihenfolge)

972 – 808 – 782 – 602 – 564 – 412 – 342 – 209 – 192

**Nr. 15** (ohne Überschreitung)

200 + 54 = 254 640 + 9 = 649 453 + 40 = 493

**Nr. 16** (mit Überschreitung)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 365 + 35 = 400 |  | 892 + 16 = 908 |  | 567 + 54 = 621 |
| 426 + 46 = 472 |  | 785 + 17 = 802 |  | 396 + 99 = 495 |
| **Nr. 17** (ohne Überschreitung) | | | | |
| 125 + 60 = 185 |  | 305 + 61 = 366 |  | 602 + 77 = 679 |
| 22 + 166 = 188 |  | 550 + 45 = 595 |  | 638 + 61 = 699 |

**Nr. 18** (ohne Überschreitung)

580 – 70 = 510 765 – 40 = 725 490 – 45 = 445

**Nr. 19** (mit Überschreitung)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 650 – 90 = 560  270 – 59 = 211 | | | | | | | 600 – 43 = 557  430 – 45 = 385 | | | | |  | | | 472 – 34 = 438  915 – 19 = 896 | | | | |  | | | | | | |
| **Nr. 20** | | | | | | |  | | | | |  | | |  | | | | |
| ohne Überschreitung:  mit Überschreitung: | | | | | | | 562 – 32 = 530  574 – 75 = 499 | | | | |  | | | 481 – 21 = 460  640 – 314 = 326 | | | | |  | | 399 – 12 = 387  920 – 509 = 411 | | | | |
| **Nr. 21** | | | | | | |  | | | | |  | | |  | | | | |  | |  | | | | |
|  | 5 | 6 | 7 |  |  | | 3 | 0 | 2 |  | |  | 6 | | 6 | 0 |  |  | | 4 | 2 | 1 |  |  | 2 | | 3 | 5 |  |
| + |  | 1 | 2 |  | + | | 2 | 9 | 7 |  | | + | 1 | | 3 | 9 |  | + | | 4 | 7 | 8 |  | + |  | | 6 | 3 |  |
|  | 5 | 7 | 9 |  |  | | 5 | 9 | 9 |  | |  | 7 | | 9 | 9 |  |  | | 8 | 9 | 9 |  |  | 2 | | 9 | 8 |  |
|  |  |  |  |  |  | |  |  |  |  | |  |  | |  |  |  |  | |  |  |  |  |  |  | |  |  |  |
|  | 1 | 0 | 9 |  |  | | 6 | 4 | 0 |  | |  | 3 | | 2 | 1 |  |  | | 4 | 5 | 8 |  |  | 7 | | 6 | 5 |  |
| + | 5 | 61 | 3 |  | + | | 11 | 6 | 6 |  | | + | 31 | | 81 | 9 |  | + | | 11 | 71 | 6 |  | + | 1 | | 81 | 9 |  |
|  | 6 | 7 | 2 |  |  | | 8 | 0 | 6 |  | |  | 7 | | 1 | 0 |  |  | | 6 | 3 | 4 |  |  | 8 | | 5 | 4 |  |

**Nr. 22**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 4 | 8 | 7 |  |  | 5 | 1 | 3 |  |  | 7 | 4 | 0 |  |  | 8 | 3 | 3 |  |  | 2 | 8 | 9 |  |
| – |  | 8 | 2 |  | – | 3 | 0 | 3 |  | – | 6 | 3 | 0 |  | – | 7 | 2 | 1 |  | – |  | 6 | 7 |  |
|  | 4 | 0 | 5 |  |  | 2 | 1 | 0 |  |  | 1 | 1 | 0 |  |  | 1 | 1 | 2 |  |  | 2 | 2 | 2 |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 7 | 6 | 8 |  |  | 9 | 5 | 0 |  |  | 8 | 4 | 2 |  |  | 6 | 5 | 6 |  |  | 9 | 0 | 2 |  |
| – | 2 | 21 | 9 |  | – | 3 | 41 | 6 |  | – | 71 | 91 | 9 |  | – | 31 | 61 | 7 |  | – | 61 | 51 | 8 |  |
|  | 5 | 3 | 9 |  |  | 6 | 0 | 4 |  |  |  | 4 | 3 |  |  | 2 | 8 | 9 |  |  | 2 | 4 | 4 |  |

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| **Nr. 23** |  | |
| 3 · 5 = 15 | 6 · 8 = 48 | 9 · 6 = 54 |
| 2 · 9 = 18 | 4 · 3 = 12 | 5 · 7 = 35 |
| **Nr. 24**  9 · 4 = 36 | 8 · 8 = 64 | 7 · 5 = 35 |
| 4 · 5 = 20 | 9 · 9 = 81 | 5 · 8 = 40 |
| 36 = 6 · 6 | 27 = 9 · 3 | 80 = 10 · 8 |
| **Nr. 25**  3 · 70 = 210 | 4 · 50 = 200 | 9 · 80 = 720 |
| **Nr. 26** |  |  |
| 30 : 3 = 10 | 81 : 9 = 9 | 18 : 6 = 3 |
| 42 : 7 = 6 | 35 : 5 = 7 | 56 : 8 = 7 |

|  |  |  |
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| **Nr. 27** |  | |
| 48 : 8 = 6  24 : 6 = 4 | 49 : 7 = 7  24 : 3 = 8 | 21 : 7 = 3  63 : 7 = 9 |

|  |  |  |
| --- | --- | --- |
| **Nr. 28**  14 : 3 = 4 Rest 2 | 37 : 6 = 6 Rest 1 | 18 : 5 = 3 Rest 3 |
| **Nr. 29**  49 : 7 + 5 = 12 | 8 · 5 – 12 = 28 | 81 : 9 – 7 = 2 |
| 3 · 6 + 15 = 33 | 56 : 8 – 3 = 4 | 7 · 9 + 21 = 84 |

**Nr. 31**

Längen: a) 2 cm; b) 6 cm; c) 5,5 cm; d) 4,8 cm

|  |  |  |  |
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| **Nr. 33** |  | | |
| 28 mm = 2,8 cm  5300 kg = 5,300 t  95 ct = 0,95 € | 1 kg  6,05 €  1750 g | = 1 000 g  = 605 ct  = 1,750 kg | 8009 m = 8,009 km  10,4 cm = 104 mm  2,750 km = 2 750 m |

**Nr. 34**

Zeitspannen: 6 min, 15 min, 30 min, 10 min, 52 min, 40 min

|  |  |  |
| --- | --- | --- |
| **Nr. 35** |  | |
| 1:00 Uhr (13:00 Uhr)  06:13 Uhr (18:13 Uhr) | 5:00 Uhr (17:00 Uhr)  10:30 Uhr (22:30 Uhr) | 2:45 Uhr (14:45 Uhr)  12:28 Uhr (0:28 Uhr) |

**Nr. 36**

Das Kind muss folgende Rechenwege erkennen:

➊ Minus, ➋ Mal, ➌ Plus, ➍ Teilen, ➎ Mal, ➏ Teilen

(Beachte: Es müssen nicht die Fachbegriffe, sondern die im Unterricht gängigen Begriffe genannt wer- den.)

**Nr. 37**

a) Zwei Lösungsmöglichkeiten: Addition: 21 + 19 = 40

Subtraktion: 21 – 19 = 2

b) Subtraktion: 100 – 49 = 51

c) Multiplikation: 8 · 12 € = 96 €

d) Division: 120 € : 6 = 20 €

e) Addition: 99 € + 26 € = 125 €