

- ① $15-9-4=2$ ②① $13-1-5=7$ ④① $12-3-4=5$ ⑥① $14-9-3=2$
② $13-3-9=1$ ②② $13-7-2=4$ ④② $14-4-9=1$ ⑥② $14-9-1=4$
③ $14-2-6=6$ ②③ $11-8-1=2$ ④③ $14-5-1=8$ ⑥③ $12-4-2=6$
④ $17-5-3=9$ ②④ $14-4-3=7$ ④④ $14-5-8=1$ ⑥④ $12-4-7=1$
⑤ $16-1-7=8$ ②⑤ $16-5-2=9$ ④⑤ $15-7-2=6$ ⑥⑤ $12-2-5=5$
⑥ $13-2-4=7$ ②⑥ $15-3-5=7$ ④⑥ $16-9-1=6$ ⑥⑥ $17-1-8=8$
⑦ $15-2-8=5$ ②⑦ $11-9-1=1$ ④⑦ $13-3-4=6$ ⑥⑦ $12-4-4=4$
⑧ $12-2-1=9$ ②⑧ $16-9-5=2$ ④⑧ $16-7-1=8$ ⑥⑧ $14-4-8=2$
⑨ $16-7-8=1$ ②⑨ $14-9-2=3$ ④⑨ $14-9-3=2$ ⑥⑨ $15-3-5=7$
⑩ $17-9-1=7$ ③⑩ $16-9-6=1$ ④⑩ $16-4-3=9$ ⑥⑩ $11-3-4=4$
⑪ $13-1-4=8$ ③⑪ $13-9-3=1$ ④⑪ $11-3-5=3$ ⑥⑪ $11-3-2=6$
⑫ $14-2-3=9$ ③⑫ $13-7-1=5$ ④⑫ $12-9-2=1$ ⑥⑫ $16-6-9=1$
⑬ $14-6-1=7$ ③⑬ $12-1-4=7$ ④⑬ $17-9-6=2$ ⑥⑬ $15-5-9=1$
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⑰ $15-4-4=7$ ③⑰ $16-5-2=9$ ④⑰ $12-3-1=8$ ⑥⑰ $18-9-1=8$
⑱ $11-1-1=9$ ③⑱ $18-1-8=9$ ④⑱ $15-3-4=8$ ⑥⑱ $13-2-2=9$
⑲ $15-1-5=9$ ③⑲ $13-3-4=6$ ④⑲ $14-5-1=8$ ⑥⑲ $16-4-9=3$
⑳ $12-2-1=9$ ④⑰ $11-1-2=8$ ④⑰ $13-3-1=9$ ⑥⑰ $14-1-7=6$

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- ① $16-2-9=5$ ②① $16-9-4=3$ ④① $15-4-7=4$ ⑥① $16-9-6=1$
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⑪ $15-3-5=7$ ③① $13-4-5=4$ ④① $12-2-9=1$ ⑥① $14-3-6=5$
⑫ $12-2-1=9$ ③② $14-4-9=1$ ④② $14-2-3=9$ ⑥② $15-3-4=8$
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⑳ $15-1-9=5$ ④⑩ $16-9-6=1$ ④⑩ $14-9-4=1$ ⑥⑩ $11-9-1=1$

- ① $12-5-4=3$ ②① $11-4-6=1$ ④① $17-4-9=4$ ⑥① $15-5-1=9$
② $16-4-4=8$ ②② $15-5-9=1$ ④② $13-2-2=9$ ⑥② $14-4-1=9$
③ $14-4-1=9$ ②③ $15-9-3=3$ ④③ $14-6-1=7$ ⑥③ $15-7-1=7$
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③ $15-2-8=5$ ②③ $13-1-7=5$ ④③ $16-9-5=2$ ⑥③ $16-8-1=7$
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- ① $14-1-9=4$ ②① $14-9-2=3$ ④① $11-2-6=3$ ⑥① $12-4-4=4$
② $13-2-6=5$ ②② $13-8-1=4$ ④② $16-3-9=4$ ⑥② $16-4-3=9$
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⑰ $15-9-5=1$ ③⑰ $17-5-9=3$ ④⑰ $13-7-4=2$ ⑥⑰ $11-5-3=3$
⑱ $14-4-7=3$ ③⑱ $16-5-8=3$ ④⑱ $16-9-6=1$ ⑥⑱ $16-3-9=4$
⑲ $15-9-4=2$ ③⑲ $14-8-1=5$ ④⑲ $15-5-2=8$ ⑥⑲ $15-9-1=5$
⑳ $12-3-8=1$ ④⑰ $16-9-6=1$ ⑥⑰ $16-1-6=9$ ⑧⑰ $15-6-8=1$

- ① $14-2-9=3$ ②① $13-4-6=3$ ④① $16-5-9=2$ ⑥① $13-2-5=6$
② $14-3-9=2$ ②② $16-2-5=9$ ④② $15-5-9=1$ ⑥② $16-7-1=8$
③ $14-6-2=6$ ②③ $14-9-1=4$ ④③ $12-8-3=1$ ⑥③ $12-5-1=6$
④ $15-8-3=4$ ②④ $11-1-3=7$ ④④ $11-5-3=3$ ⑥④ $14-5-6=3$
⑤ $15-9-3=3$ ②⑤ $15-9-4=2$ ④⑤ $15-4-2=9$ ⑥⑤ $14-9-1=4$
⑥ $15-2-4=9$ ②⑥ $12-4-5=3$ ④⑥ $17-7-1=9$ ⑥⑥ $18-9-1=8$
⑦ $13-3-6=4$ ②⑦ $12-4-7=1$ ④⑦ $14-9-3=2$ ⑥⑦ $16-4-3=9$
⑧ $16-8-1=7$ ②⑧ $16-4-8=4$ ④⑧ $14-2-3=9$ ⑥⑧ $11-1-7=3$
⑨ $14-8-5=1$ ②⑨ $13-8-4=1$ ④⑨ $17-8-1=8$ ⑥⑨ $11-9-1=1$
⑩ $13-3-2=8$ ③⑩ $11-4-3=4$ ⑤⑩ $15-9-3=3$ ⑦⑩ $11-4-5=2$
⑪ $14-6-6=2$ ③⑪ $17-9-3=5$ ⑤⑪ $17-2-9=6$ ⑦⑪ $12-3-8=1$
⑫ $14-4-1=9$ ③⑫ $13-8-1=4$ ⑤⑫ $12-5-3=4$ ⑦⑫ $13-6-3=4$
⑬ $15-3-7=5$ ③⑬ $17-9-3=5$ ⑤⑬ $14-9-1=4$ ⑦⑬ $13-6-2=5$
⑭ $13-2-6=5$ ③⑭ $16-6-1=9$ ⑤⑭ $15-2-9=4$ ⑦⑭ $15-1-7=7$
⑮ $16-5-9=2$ ③⑮ $14-1-9=4$ ⑤⑮ $13-2-6=5$ ⑦⑮ $15-1-9=5$
⑯ $12-5-2=5$ ③⑯ $16-8-6=2$ ⑤⑯ $15-4-2=9$ ⑦⑯ $16-6-2=8$
⑰ $14-3-2=9$ ③⑰ $17-1-9=7$ ⑤⑰ $14-9-3=2$ ⑦⑰ $16-4-3=9$
⑱ $12-5-5=2$ ③⑱ $17-1-7=9$ ⑤⑱ $12-7-1=4$ ⑦⑱ $13-2-6=5$
⑲ $14-6-2=6$ ③⑲ $17-5-9=3$ ⑤⑲ $16-1-7=8$ ⑦⑲ $14-3-9=2$
⑳ $16-2-6=8$ ④⑰ $14-5-1=8$ ⑥⑰ $13-6-2=5$ ⑧⑰ $15-6-7=2$

- ① $14-4-9=1$ ②① $11-4-4=3$ ④① $15-9-2=4$ ⑥① $14-2-9=3$
② $16-7-8=1$ ②② $13-1-9=3$ ④② $15-9-5=1$ ⑥② $16-6-8=2$
③ $16-1-8=7$ ②③ $14-3-6=5$ ④③ $14-1-4=9$ ⑥③ $16-5-9=2$
④ $12-2-6=4$ ②④ $15-9-2=4$ ④④ $12-6-5=1$ ⑥④ $12-9-2=1$
⑤ $12-4-7=1$ ②⑤ $18-9-1=8$ ④⑤ $13-3-6=4$ ⑥⑤ $11-3-2=6$
⑥ $14-6-2=6$ ②⑥ $16-9-6=1$ ④⑥ $16-5-2=9$ ⑥⑥ $17-9-2=6$
⑦ $17-9-5=3$ ②⑦ $14-8-5=1$ ④⑦ $15-5-9=1$ ⑥⑦ $12-3-4=5$
⑧ $14-5-8=1$ ②⑧ $14-4-1=9$ ④⑧ $13-3-3=7$ ⑥⑧ $15-3-8=4$
⑨ $17-1-9=7$ ②⑨ $17-9-1=7$ ④⑨ $13-9-2=2$ ⑥⑨ $13-9-2=2$
⑩ $17-1-8=8$ ③⑩ $13-3-1=9$ ⑤⑩ $16-5-8=3$ ⑦⑩ $12-6-5=1$
⑪ $15-7-1=7$ ③⑪ $14-1-5=8$ ⑤⑪ $11-5-4=2$ ⑦⑪ $15-9-1=5$
⑫ $16-5-2=9$ ③⑫ $14-3-5=6$ ⑤⑫ $16-2-8=6$ ⑦⑫ $11-4-3=4$
⑬ $16-7-1=8$ ③⑬ $12-1-9=2$ ⑤⑬ $15-2-6=7$ ⑦⑬ $16-3-9=4$
⑭ $16-6-1=9$ ③⑭ $14-7-3=4$ ⑤⑭ $11-4-3=4$ ⑦⑭ $16-1-7=8$
⑮ $17-2-9=6$ ③⑮ $13-5-5=3$ ⑤⑮ $16-9-1=6$ ⑦⑮ $11-5-4=2$
⑯ $12-9-1=2$ ③⑯ $15-4-2=9$ ⑤⑯ $11-8-2=1$ ⑦⑯ $15-1-8=6$
⑰ $16-9-2=5$ ③⑰ $13-1-3=9$ ⑤⑰ $16-7-1=8$ ⑦⑰ $12-9-2=1$
⑱ $17-7-9=1$ ③⑱ $15-2-6=7$ ⑤⑱ $14-1-5=8$ ⑦⑱ $16-4-9=3$
⑲ $13-1-7=5$ ③⑲ $11-3-7=1$ ⑤⑲ $13-7-1=5$ ⑦⑲ $16-1-8=7$
⑳ $12-4-3=5$ ④⑰ $14-3-9=2$ ⑥⑰ $11-7-1=3$ ⑧⑰ $14-9-1=4$

- ① $17-3-9=5$ ②① $18-8-9=1$ ④① $12-4-3=5$ ⑥① $14-1-4=9$
② $18-1-8=9$ ②② $15-9-1=5$ ④② $16-1-8=7$ ⑥② $15-7-1=7$
③ $13-2-2=9$ ②③ $12-2-7=3$ ④③ $12-4-6=2$ ⑥③ $14-4-6=4$
④ $16-1-9=6$ ②④ $14-7-5=2$ ④④ $11-6-2=3$ ⑥④ $15-9-1=5$
⑤ $11-8-1=2$ ②⑤ $14-9-2=3$ ④⑤ $15-1-7=7$ ⑥⑤ $14-2-5=7$
⑥ $13-3-9=1$ ②⑥ $15-2-9=4$ ④⑥ $11-1-9=1$ ⑥⑥ $16-6-9=1$
⑦ $12-3-4=5$ ②⑦ $12-6-1=5$ ④⑦ $12-1-6=5$ ⑥⑦ $11-1-5=5$
⑧ $16-6-9=1$ ②⑧ $13-4-8=1$ ④⑧ $13-1-6=6$ ⑥⑧ $13-7-1=5$
⑨ $14-9-4=1$ ②⑨ $13-8-3=2$ ④⑨ $17-7-9=1$ ⑥⑨ $16-7-8=1$
⑩ $12-1-3=8$ ③⑩ $16-6-1=9$ ⑤⑩ $14-9-4=1$ ⑦⑩ $12-5-2=5$
⑪ $12-2-4=6$ ③⑪ $16-7-1=8$ ⑤⑪ $13-9-2=2$ ⑦⑪ $15-4-9=2$
⑫ $15-8-6=1$ ③⑫ $16-6-1=9$ ⑤⑫ $11-4-4=3$ ⑦⑫ $14-4-4=6$
⑬ $13-9-1=3$ ③⑬ $15-1-5=9$ ⑤⑬ $12-2-5=5$ ⑦⑬ $17-5-9=3$
⑭ $17-4-9=4$ ③⑭ $14-2-7=5$ ⑤⑭ $11-4-3=4$ ⑦⑭ $14-2-3=9$
⑮ $17-1-7=9$ ③⑮ $14-6-3=5$ ⑤⑮ $17-9-1=7$ ⑦⑮ $13-4-4=5$
⑯ $15-1-9=5$ ③⑯ $15-5-1=9$ ⑤⑯ $13-5-2=6$ ⑦⑯ $16-3-9=4$
⑰ $11-6-1=4$ ③⑰ $16-1-7=8$ ⑤⑰ $12-5-6=1$ ⑦⑰ $16-4-8=4$
⑱ $16-8-1=7$ ③⑱ $15-1-9=5$ ⑤⑱ $13-2-2=9$ ⑦⑱ $13-2-4=7$
⑲ $13-1-9=3$ ③⑲ $15-9-5=1$ ⑤⑲ $15-3-3=9$ ⑦⑲ $16-9-5=2$
⑳ $15-5-9=1$ ④⑩ $17-8-1=8$ ⑥⑩ $14-9-2=3$ ⑧⑩ $13-5-3=5$

- ① $11-4-3=4$ ② $11-2-3=6$ ③ $17-9-3=5$ ④ $11-6-2=3$
⑤ $12-2-5=5$ ⑥ $13-2-9=2$ ⑦ $15-2-4=9$ ⑧ $13-9-1=3$
⑨ $15-9-2=4$ ⑩ $12-1-8=3$ ⑪ $14-8-5=1$ ⑫ $12-2-5=5$
⑬ $11-2-3=6$ ⑭ $14-8-2=4$ ⑮ $14-8-2=4$ ⑯ $14-6-2=6$
⑰ $11-3-5=3$ ⑱ $17-8-1=8$ ⑲ $18-8-1=9$ ⑳ $14-8-1=5$
㉑ $18-8-1=9$ ㉒ $11-5-3=3$ ㉓ $12-4-1=7$ ㉔ $11-3-5=3$
㉕ $12-7-4=1$ ㉖ $16-2-5=9$ ㉗ $13-8-2=3$ ㉘ $15-2-7=6$
㉙ $18-1-8=9$ ㉚ $13-7-2=4$ ㉛ $13-3-5=5$ ㉜ $15-5-1=9$
㉝ $11-7-2=2$ ㉞ $16-1-8=7$ ㉟ $16-6-1=9$ ㊱ $17-5-9=3$
㊲ $17-9-3=5$ ㊳ $14-6-1=7$ ㊴ $17-9-4=4$ ㊵ $15-3-9=3$
㊶ $14-6-2=6$ ㊷ $13-8-1=4$ ㊸ $14-9-1=4$ ㊹ $14-6-3=5$
㊺ $17-4-4=9$ ㊻ $14-6-2=6$ ㊼ $18-8-1=9$ ㊽ $12-4-1=7$
㊾ $11-8-2=1$ ㊿ $12-1-5=6$ ㋀ $12-5-4=3$ ㋁ $12-1-5=6$
㋂ $13-7-1=5$ ㋃ $13-1-6=6$ ㋄ $14-1-4=9$ ㋅ $14-2-9=3$
㋆ $11-3-5=3$ ㋇ $14-3-9=2$ ㋈ $14-3-2=9$ ㋉ $11-3-4=4$
㋊ $15-5-9=1$ ㋋ $17-6-9=2$ ㋌ $11-5-4=2$ ㋍ $14-4-7=3$
㋎ $13-3-5=5$ ㋏ $14-1-8=5$ ㋐ $17-2-9=6$ ㋑ $16-9-2=5$
㋒ $15-5-9=1$ ㋓ $15-4-7=4$ ㋔ $16-8-7=1$ ㋕ $13-4-1=8$
㋖ $16-6-9=1$ ㋗ $12-3-7=2$ ㋘ $12-5-1=6$ ㋙ $17-9-4=4$
㋚ $16-8-7=1$ ㋛ $16-4-4=8$ ㋜ $13-5-7=1$ ㋝ $11-3-2=6$

- ① $14-4-2=8$ ②① $12-3-1=8$ ④① $15-1-9=5$ ⑥① $17-5-9=3$
② $14-2-3=9$ ②② $14-2-6=6$ ④② $12-7-4=1$ ⑥② $16-3-5=8$
③ $13-3-8=2$ ②③ $16-9-1=6$ ④③ $13-1-5=7$ ⑥③ $15-1-7=7$
④ $14-5-8=1$ ②④ $15-8-6=1$ ④④ $15-9-4=2$ ⑥④ $17-4-9=4$
⑤ $17-9-2=6$ ②⑤ $15-5-8=2$ ④⑤ $14-9-1=4$ ⑥⑤ $12-2-8=2$
⑥ $18-8-9=1$ ②⑥ $17-6-9=2$ ④⑥ $15-4-2=9$ ⑥⑥ $16-4-9=3$
⑦ $15-8-3=4$ ②⑦ $14-2-9=3$ ④⑦ $15-1-9=5$ ⑥⑦ $12-5-2=5$
⑧ $13-9-2=2$ ②⑧ $12-2-5=5$ ④⑧ $16-2-5=9$ ⑥⑧ $13-4-1=8$
⑨ $12-8-3=1$ ②⑨ $13-6-1=6$ ④⑨ $13-1-3=9$ ⑥⑨ $18-9-8=1$
⑩ $15-8-1=6$ ③⑩ $15-2-4=9$ ⑤⑩ $16-9-5=2$ ⑦⑩ $12-9-2=1$
⑪ $12-2-9=1$ ③① $13-4-1=8$ ⑤① $13-9-2=2$ ⑦① $17-8-1=8$
⑫ $11-2-5=4$ ③② $13-7-1=5$ ⑤② $11-3-4=4$ ⑦② $14-6-4=4$
⑬ $11-1-1=9$ ③③ $14-9-3=2$ ⑤③ $15-4-2=9$ ⑦③ $14-8-1=5$
⑭ $13-9-3=1$ ③④ $11-5-3=3$ ⑤④ $12-5-4=3$ ⑦④ $13-1-7=5$
⑮ $12-1-9=2$ ③⑤ $12-4-2=6$ ⑤⑤ $14-1-6=7$ ⑦⑤ $15-4-9=2$
⑯ $16-9-3=4$ ③⑥ $17-1-7=9$ ⑤⑥ $12-4-3=5$ ⑦⑥ $16-7-8=1$
⑰ $17-6-2=9$ ③⑦ $15-9-4=2$ ⑤⑦ $11-1-8=2$ ⑦⑦ $13-3-5=5$
⑱ $13-8-1=4$ ③⑧ $17-3-5=9$ ⑤⑧ $17-9-2=6$ ⑦⑧ $15-7-1=7$
⑲ $16-9-3=4$ ③⑨ $12-4-6=2$ ⑤⑨ $15-5-9=1$ ⑦⑨ $16-3-4=9$
⑳ $18-8-1=9$ ④⑩ $17-1-9=7$ ⑥⑩ $14-6-1=7$ ⑧⑩ $16-9-1=6$