

Platinum Challenge

Clue: Before you peek at the answers, remember what we do at school- do the ones you can do first.

Try adding all numbers together; then adding and subtracting one of them then subtracting a different one; add two and subtract two numbers. Multiply them all; multiply three of them and add 1 etc. Work in methodical way and persevere with tricky ones, esp number 29!

| Number to make | Possible answers include | |
|----------------|--------------------------------------|--|
| 1 | $((4 + 2) \div 3) - 1 = 1$ | |
| 2 | $(1 + 2 + 3) - 4 = 2$ | |
| 3 | $((4 \times 1) - 3) + 2 = 3$ | |
| 4 | $(2 \times 4) \div (3 - 1) = 4$ | |
| 5 | $((2 + 1) \times 3) - 4 = 5$ | |
| 6 | $(4 \times 3) \div (2 \times 1) = 6$ | |
| 7 | $((4 \times 3) \div 2) + 1 = 7$ | |
| 8 | $(2 + 3 + 4) - 1 = 8$ | |
| 9 | $(2 + 3 + 4) \times 1 = 9$ | |
| 10 | $1 + 2 + 3 + 4 = 10$ | |
| 11 | $4 \times 2) + (3 \times 1) = 11$ | |
| 12 | $(4 \times 2) + 3 + 1 = 12$ | |
| 13 | $(4 \times 3) + (2 - 1) = 13$ | |
| 14 | $((4 \times 3) + 2) \times 1 = 14$ | |
| 15 | $(4 \times 3) + 2 + 1 = 15$ | |
| 16 | $(1 + 3 + 4) \times 2 = 16$ | |
| 17 | $((4 + 1) \times 3) + 2 = 17$ | |
| 18 | $((4 + 2) \times 3) \times 1 = 18$ | |
| 19 | $((2 + 3) \times 4) - 1 = 19$ | |
| 20 | $(2 + 3) \times (4 \times 1) = 20$ | |
| 21 | $((2 + 3) \times 4) + 1 = 21$ | |
| 22 | $((4 \times 3) - 1) \times 2 = 22$ | |
| 23 | $((4 \times 3) \times 2) - 1 = 23$ | |
| 24 | $(1 + 2 + 3) \times 4 = 24$ | |
| 25 | $(1 + 4) \times (2 + 3) = 25$ | |
| 26 | $((4 \times 3) + 1) \times 2 = 26$ | |
| 27 | $((4 \times 2) + 1) \times 3 = 27$ | |
| 28 | $(1 + (2 \times 3)) \times 4 = 28$ | |
| 29 | $(4 - 1)^3 + 2 = 29$ | |
| 30 | $(2 \times 3) \times (4 + 1) = 30$ | |

