

Number Puzzles Answers

Use the numbers 1, 2, 3 and 4 to complete the following equations.

Use all the numbers once and any of the four operations (+, -, ×, ÷) and/ or brackets.

Remember BODMAS.

Example $2 \times 3 + 4 \div 1 = 10$

*These answers are examples-
there are several answers to each*

$3 \times 2 - 4 - 1$	$= 1$
$3 \times 2 - 4 \div 1$	$= 2$
$4 - 3 + 2 \div 1$	$= 3$
$4 + 3 - 2 - 1$	$= 4$
$4 + 3 - 2 \div 1$	$= 5$
$4 \div 2 + 3 + 1$	$= 6$
$4 \div 2 \times 3 + 1$	$= 7$
$4 \times (3 - 2 + 1)$	$= 8$
$3 \times (4 - 2 + 1)$	$= 9$
$4 \times 3 - 2 \div 1$	$= 10$

$4 \times 2 + 3 \times 1$	$= 11$
$4 \times 2 + 3 + 1$	$= 12$
$4 \times 3 + 2 - 1$	$= 13$
$4 \times 3 + 2 \div 1$	$= 14$
$(4 + 2 - 1) \times 3$	$= 15$
$4 \times (3 + 2 - 1)$	$= 16$
$(4 + 2) \times 3 - 1$	$= 17$
$(4 + 2) \times 3 \times 1$	$= 18$
$(4 + 2) \times 3 + 1$	$= 19$
$4 \times (3 + 2) \times 1$	$= 20$

Use four 4's to complete the following equations.

Use any of the four operations (+, -, ×, ÷), brackets, powers, square roots or any other operation.

Remember BODMAS.

Example $4 \times 4 + 4 \div 4 = 17$

*These answers are examples-
there are several answers to each*

$4 \div 4 \times 4 \div 4$	$= 1$
$4 \div 4 + 4 \div 4$	$= 2$
$(4 + 4 + 4) \div 4$	$= 3$
$(4 - 4) \times 4 + 4$	$= 4$
$\sqrt{4} + \sqrt{4} + 4 \div 4$	$= 5$
$(4 + 4) \div 4 + 4$	$= 6$
$(4 + 4) - 4 \div 4$	$= 7$
$4 \times 4 \div 4 + 4$	$= 8$
$4 + 4 + 4 \div 4$	$= 9$
$4 + 4 + 4 - \sqrt{4}$	$= 10$

$4 \times (4 - 4 \div 4)$	$= 12$
$4 \times 4 - 4 \div \sqrt{4}$	$= 14$
$4 \times 4 \times 4 \div 4$	$= 16$
$4 \times 4 + 4 \div \sqrt{4}$	$= 18$
$4 \times (4 + 4 \div 4)$	$= 20$
$(4 + 4 \div 4)^{\sqrt{4}}$	$= 25$
$4 \times \sqrt{4} \times 4 - \sqrt{4}$	$= 30$
$4 \times (4 + 4 + \sqrt{4})$	$= 40$
$(4 + 4)^{\sqrt{4}} - 4$	$= 60$
$4 \times 4 \times \sqrt{4} \times \sqrt{4}$	$= 64$