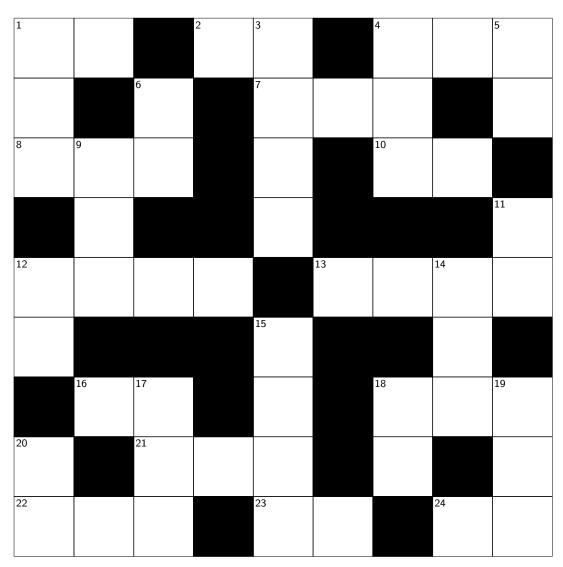
2021 Team Up Challenge

Crossnumber Puzzle





Tips to Get Started

- This puzzle is like a crossword puzzle, with across clues and down clues. Your team will work together, with some of you solving the across clues and some solving the down clues.
- Start by looking for clues that can be solved right away. Then move on to the clues that rely on an answer from another clue.

2021 Team Up Challenge Across Clues

- 1. The range of 22 ACROSS and 19 DOWN.
- 2.50% of $\boxed{10 \text{ ACROSS}}$.
- 4. The number that should replace \blacksquare when $\frac{23}{\boxed{12 \text{ DOWN}}} = \frac{\blacksquare}{648}$.
- 7. A multiple of 109.
- 8. The sum of 110 and 4 ACROSS.
- 10. The total number of days in July and August.
- 12. The result when 45 is multiplied by itself and added to 30.
- 13. The product of 12 and 94.
- 16. A factor of 8 ACROSS.
- 18. A number that is the same when its digits are written in the reverse order.
- 21. A number whose middle digit is the median of its other two digits.
- 22. Seventeen dozen.
- 23. A number whose digits add to the sum of the digits in 13 ACROSS.
- 24. The smallest prime number greater than 16 ACROSS.

2021 Team Up Challenge Down Clues

- 1. The number that is 5 more than 16 times 20 DOWN.
- 3. The number that is $\frac{4}{5}$ of 12 ACROSS.
- 4. A number whose digits sum to 16.
- 5. An odd multiple of 5.
- 6. The length of a rectangle with area 1 DOWN and width 24 ACROSS.
- 9. The sum of the four angles (in degrees) in a square.
- 11. The number that is 6 more than 10 ACROSS.
- 12. A multiple of 8.
- 14. The digits of 21 ACROSS written in the reverse order.
- 15. Thirty-five more than the largest 3-digit multiple of 7.
- 17. The mean of 4 ACROSS and 19 DOWN.
- 18. The positive difference between 16 ACROSS and 12 DOWN.
- 19. The number of weeks that are equal to 15 down days.
- 20. The value of $14 + 0.5 \times 36$.