



10-11 YEARS | WEEK 22

Brain Games-Number Pyramid-Magic Square

1. Crypt arithmetic

11. Cross-Number puzzle

2. Detective Lens

12. Constrained magic square

3. Digi-cross

13. Arithmetic crossword

4. Who is left out?

14. Solve the puzzle

5. Fun with Emojis

15. Solve the puzzle

6. Balanced Grid

16. Solve the puzzle

7. Number Snake

17. Sudoku

8. Fun with the area

18. Sudoku

9. Cross-Number

19. Word search

10. Hexagon puzzle

20. Puzzles



CRYPT ARITHMETIC

Directions:

1. Each letter represents a different single digit. Zero is never the first digit of any number.
2. If a letter is used more than once, it represents the same digit. The problems below can have more than one solution.
3. One has been completed for you.
4. Refer to the reference sheet to know more about Crypt Arithmetic.

$$AB \times 3$$

Solution : A=2; B=4; C=7

$$24 \times 3$$

CA

72

$$ABC \times 6$$

Solution :

BADC

$$AB \times BA$$

Solution :

ACA

$$AA \times BB$$

Solution :

CACD

$$(AB+BC) \times CA$$

Solution :

ACDE

Detective Lens

Colour the numbers that fit each clue. Only one number will be left

Multiple of 7

Ones digit is twice
the tens digit

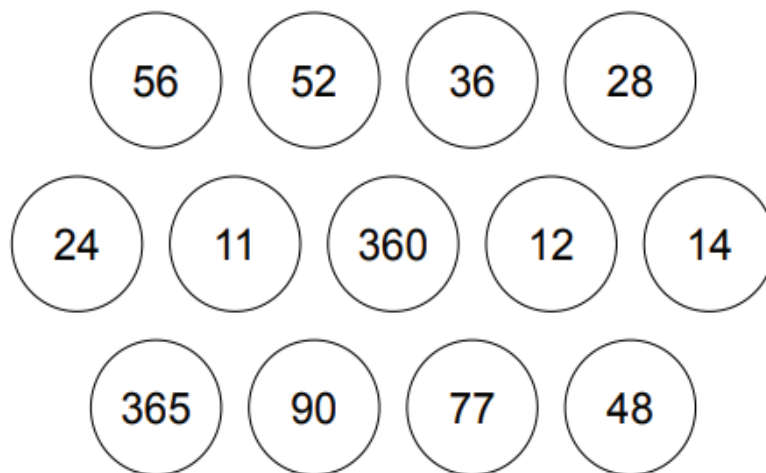
Days in a year

18×5

$3 + 4 \times 2$

45×8

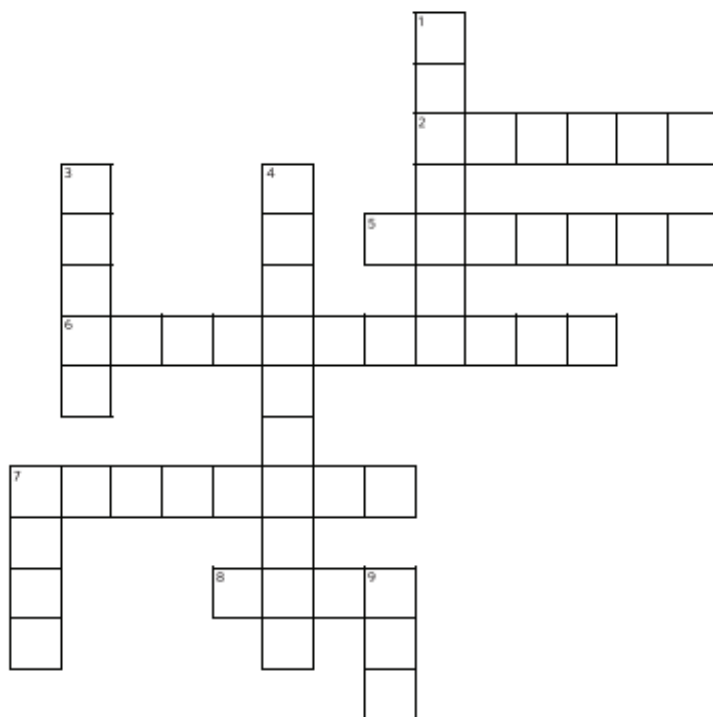
Who is left out ?



Answer: Fifty Two

Digi-cross

Complete the crossword by filling in a word that fits each clue



Clues: fourth, six, fifteen, ninety-nine, less, centimeter, thirteen, penny, tens, seventy

ACROSS

2. one of 4 equal parts
5. $976 = 900 + \underline{\hspace{1cm}} + 6$
6. $50 + 30 + 19$
7. $\underline{\hspace{1cm}} + 7 = 20$
8. 961 is $\underline{\hspace{1cm}}$ than 965

Down

1. 3 rows of 5 spoons are $\underline{\hspace{1cm}}$ spoons
3. 1 $\underline{\hspace{1cm}}$ = \$.01
4. 1 $\underline{\hspace{1cm}}$ is shorter than 1 meter
7. $783 = 7 \text{ hundreds} + 8 \underline{\hspace{1cm}} + 3 \text{ ones}$
9. $11 - 5$

Answers: 2. fourth, 5. Seventy 5. Ninety-nine 7. Thirteen 8. Less 1. Fifteen 3. Penny 4. Centimeter 7. Tens 9. Six

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