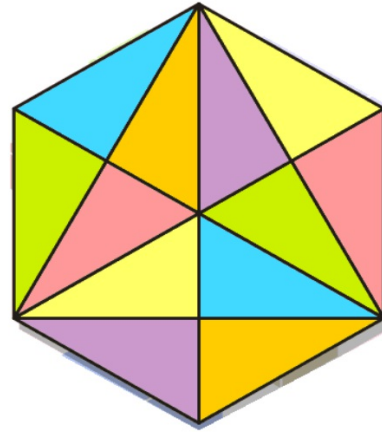
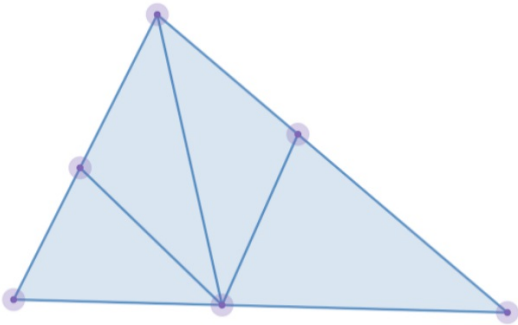


How many triangles can you see?



Birthday Puzzle

When asked about his birthday, a man said:

"The day before yesterday I was only 25 and next year I will turn 28."

This is true only one day in a year - when was he born?

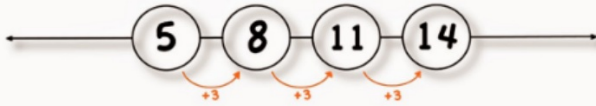
Alphabet Puzzle

Find a number with its letters in alphabetical order.

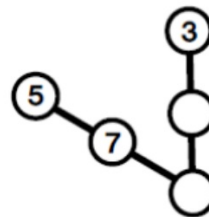
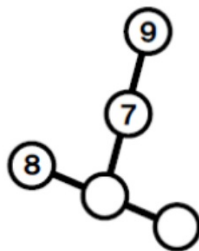
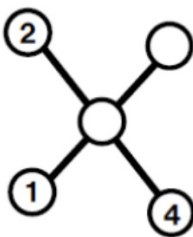
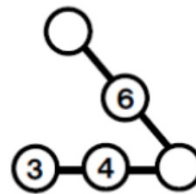
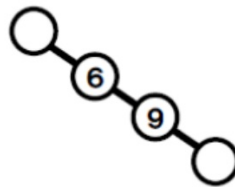
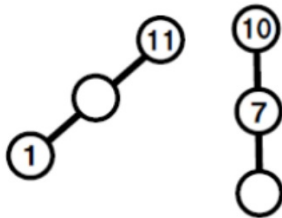
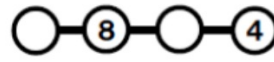
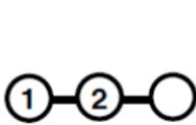
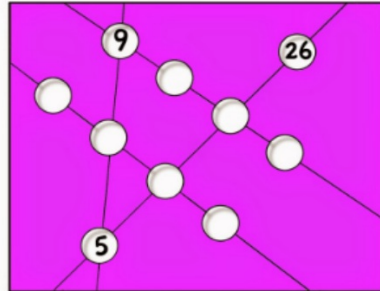
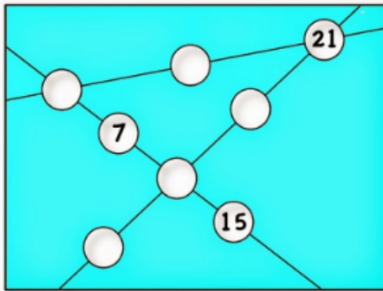
Example: "five" has "fiv" in alphabetical order, but not "e".

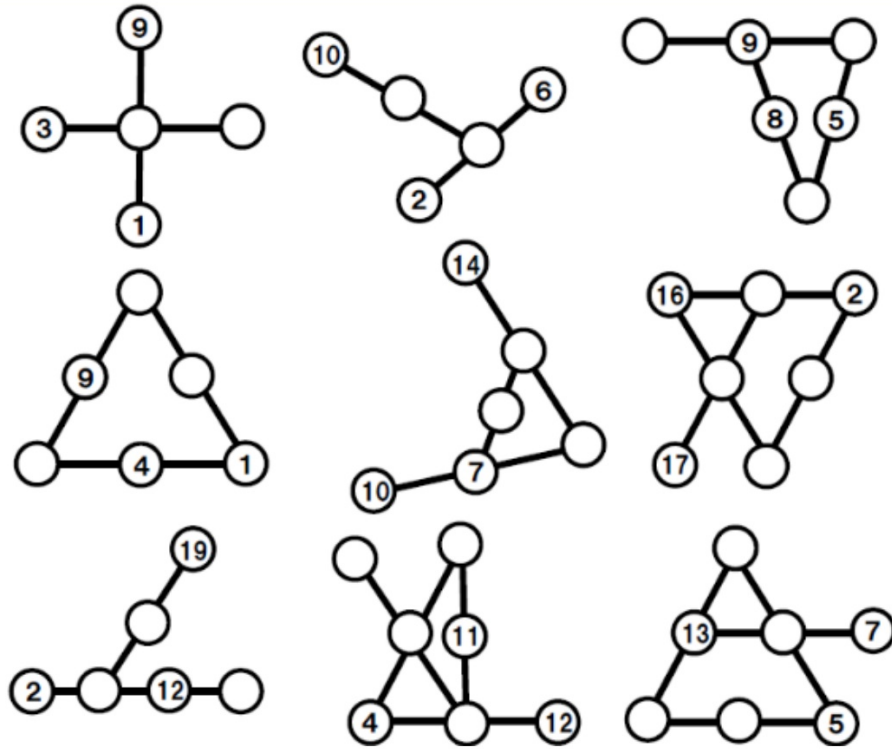
Arithmetic Sequence Puzzles

The diagram below shows a sequence of numbers formed by adding the same number over and over again each time. (This sort of sequence is called an "arithmetic sequence" and the number added on each time is called the "common difference.")



Fill in the bubbles below so that each line of the puzzle contains an arithmetic sequence.





Alice and Betty are playing “guess my word.” Betty thinks of a five-letter word (all distinct letters), and Alice guesses. For each guess, Betty tells Alice how many letters from her guess are right. For each game below, what is Betty’s word?

(1)

Alice's Guess	Betty's Answer
HUNKY	2
JUNKS	0
WHISK	2
CENTS	2
STINK	0

(2)

Alice's Guess	Betty's Answer
GRAIN	3
GRANT	4
GIANT	3
TULIP	2
SPLAT	1

(3)

Alice's Guess	Betty's Answer
SMART	3
LAYER	3
BEAMS	1
PAYER	4

Use the digits

2, 3, 4, 5

to fill in the missing numbers to
make the largest possible answer

$$\begin{array}{|c|c|} \hline \square & \square \\ \hline \end{array} + \begin{array}{|c|} \hline \square \\ \hline \end{array} \times \begin{array}{|c|} \hline \square \\ \hline \end{array} = \begin{array}{|c|c|} \hline \square & \square \\ \hline \end{array}$$

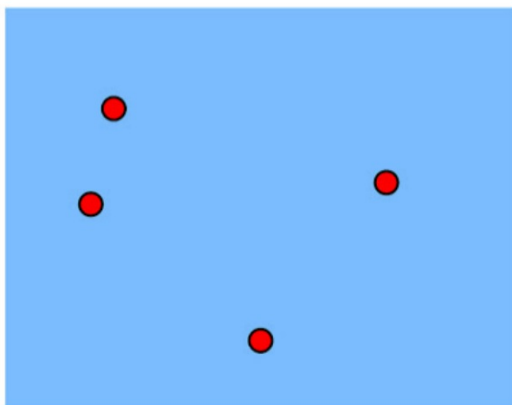
Complete the following using all of the numbers

1, 2, 3, 4, 5, 6

to find the **number closest to 300**

$$\begin{array}{|c|c|c|} \hline \square & \square & \square \\ \hline \end{array} - \begin{array}{|c|c|c|} \hline \square & \square & \square \\ \hline \end{array}$$

Invisible Square



The four points shown lie on the sides of an invisible square.
Can you draw in the sides of the square?

Dingbats

Base	ROOD	JOB AN	STRUGGLE
01	02	03	04
UNWU	OTSQ1	<i>Idea an</i>	OK PM
05	06	07	08
iiiiiiiiii	NE1410S	ARM	ALICE
09	10	11	12

CAN CAN	DANC TSE ETNO CE NO	OVER	G O I G N
01	02	03	04
DAY DAY	1 D 5 U 2 R 6 L 3 A 7 A 4 C	GEREN NEEGR NGREE	NO LEFT
05	06	07	08
2 2	E L U L L I C	HELP	ANIMATION
09	10	11	12