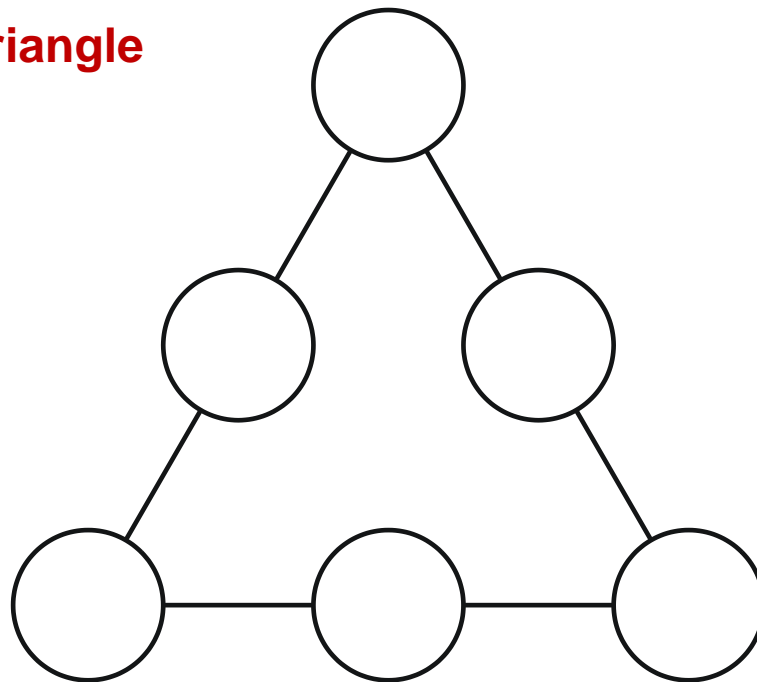


Number the Triangle

Baseboard



Puzzle 1

Equipment **Six counters** (any size, any shape) numbered **1, 2, 3, 4, 5, 6** made from scrap paper or card

Instructions Place the counters on the circles of the baseboard so that any three circles in a line **add up to 9**

Challenge Re-arrange the same counters on the circles of the baseboard so that any three circles in a line **add up to 10**

Challenge Re-arrange the same counters on the circles of the baseboard so that any three circles in a line **add up to 11**

Challenge Re-arrange the same counters on the circles of the baseboard so that any three circles in a line **add up to a number other than 9 or 10 or 11**

Puzzle 2

Equipment **Six counters** (any size, any shape) numbered **7, 8, 9, 10, 11, 12** made from scrap paper or card

Instructions Place the counters on the circles of the baseboard so that any three circles in a line **add up to 27**

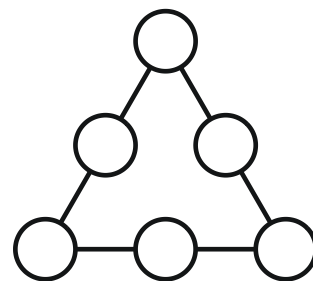
Challenge Re-arrange the same counters on the circles of the baseboard so that any three circles in a line **add up to 28**

Challenge Re-arrange the same counters on the circles of the baseboard so that any three circles in a line **add up to 29**

Challenge Re-arrange the same counters on the circles of the baseboard so that any three circles in a line **add up to a number other than 27 or 28 or 29**

[Hints and Answers](#)

Number the Triangle continued



Instructions Place the counters on the circles of the baseboard so that any three circles in a line add up to the same total

Puzzle 3

Equipment **Six counters** (any size, any shape) numbered **3, 6, 9, 12, 15, 18**

Instructions Place the counters on the circles of the baseboard so that any three circles in a line add up to the same total. What is this total?

Challenges There are 4 ways to solve this problem. Can you find them all?
The totals are **27, 30, 33 and 36**

Puzzle 4

Equipment **Six counters** (any size, any shape) numbered **3, 8, 13, 18, 23, 28**

Challenges There are 4 ways to solve this problem. What are the totals?

Puzzle 5

Equipment **Six counters** (any size, any shape) numbered **-4, -3, -2, -1, 0, 1**

Challenges There are 4 ways to solve this problem. What are the totals?

Puzzle 6

Equipment **Six counters** (any size, any shape) numbered **-5, -2, 1, 4, 7, 10**

Challenges There are 4 ways to solve this problem. What are the totals?

Puzzle 7

Equipment **Six counters** (any size, any shape) numbered **20, 6, -15, -1, 13, -8**

Challenges There are 4 ways to solve this problem. What are the totals?

Puzzle 8

Equipment **Six counters** (any size, any shape) numbered **10, 21, 32, 43, 54, 65**

Challenges There are 4 ways to solve this problem. What are the totals?

Puzzle 9

Equipment **Six counters** (any size, any shape) numbered **1.4, 2.0, 2.9, 2.6, 1.7, 2.3**

Challenges There are 4 ways to solve this problem. What are the totals?

Puzzle 10

Equipment **Six counters** (any size, any shape) numbered **$1\frac{1}{2}$, $\frac{3}{4}$, 1, $1\frac{3}{4}$, 2, $1\frac{1}{4}$**

Challenges There are 4 ways to solve this problem. What are the totals?

[Hints and Answers](#)