

## Teacher helper for PRIME GOLD

**WIN:** Chips across the board OR 4 veins of 3 prime numbers

### **GOLDBACH'S CONJECTURE:**

Every even number greater than 6 is the sum of two different prime numbers

101	100	99	98	97	96	95	94	93	92	91
102	65	64	63	62	61	60	59	58	57	90
103	66	37	36	35	34	33	32	31	56	89
104	67	38	17	16	15	14	13	30	55	88
105	68	39	18	5	4	3	12	29	54	87
106	69	40	19	6	1	2	11	28	53	86
107	70	41	20	7	8	9	10	27	52	85
108	71	42	21	22	23	24	25	26	51	84
109	72	43	44	45	46	47	48	49	50	83
110	73	74	75	76	77	78	79	80	81	82
111	112	113	114	115	116	117	118	119	120	121

### **SHAFT**

**5** = remove 2 chips

**6 or More** = remove 3 chips

### **Prime Veins of:**

**3** = remove 1 composite

**4** = replace 2 composite

**5** = replace 2 composite and  
remove 1 prime