

Key for Unit 6 Algebra Lab B with cups

Cups have one variable and all have pennies as the constants

Cup	#Objects	Equation	Answer
1	Bolts	$8B + 4 = 4B + 9$	1) $1B = 1 \frac{1}{4}$
2	Clothespins	$4C + 5 = 2C + 10$	2) $1C = 2 \frac{1}{2}$
3	Wire nuts	$4W + 4 = 1W + 9$	3) $1W = 1 \frac{2}{3}$
4	Beads	$7B + 5 = 3B + 12$	4) $1B = 1 \frac{3}{4}$
5	Lag bolts	$4L + 5 = 1L + 7$	5) $1L = \frac{2}{3}$
6	Plastic spoons	$5S + 7 = 3S + 12$	6) $1S = 2 \frac{1}{2}$
7	Lab Bolts	$4L + 3 = 2L + 10$	7) $1L = 3 \frac{1}{2}$
8	Wooden Beads	$8B + 4 = 5B + 9$	8) $1B = 1 \frac{2}{3}$
9	Clothespins	$1C + 10 = 3C + 3$	9) $1C = 3 \frac{1}{2}$
10	Plastic forks	$5F + 3 = 2F + 10$	10) $1F = 2 \frac{1}{3}$
11	Washers	$8W + 4 = 2W + 6$	11) $1W = \frac{1}{3}$
12	Wire nuts	$5W + 6 = 2W + 11$	12) $1W = 1 \frac{2}{3}$
13	Washers	$5W + 2 = 1W + 9$	13) $1W = 1 \frac{3}{4}$
14	Bolts	$5B + 3 = 1B + 12$	14) $1B = 2 \frac{1}{4}$
15	Nails	$6N + 5 = 3N + 7$	15) $1N = \frac{2}{3}$
16	Cubes	$7C + 6 = 4C + 8$	16) $1C = \frac{2}{3}$