Weight 5 (Answer Key)

Fill in all units that have equal amounts with the same color.

11,111 kg	8080 g	2345 g	8008 g	2040 g	2,345 kg	3 kg 50 g	8,080 kg
8800 g	6,789 kg	2,040 kg	11 kg 111 g	6789 g	8 kg 8 g	8,008 kg	6 kg 789 g
2 kg 40 g	3,050 kg	8,800 kg	8 kg 80 g	2 kg 345 g	8 kg 800 g	11111 g	3050 g

Put the units of weight in order, beginning with the lightest.

3,090 kg	1098 g	3 kg 34 g	3,040 kg	0,987 kg	3 1/2 kg
3,09 kg	1,098 kg	3,34 kg	3,04 kg	0,987 kg	3,5 kg

0,987 kg < 1098 g < 3 kg 34 g < 3,040 kg < 3,090 kg < 3 ½ kg

Mr. Bauer needs 3 kg cement, 12 kg of sand, and 10 l of water to fill a cement mixer. How many times can he fill the mixer with 20 kg cement, 70 kg of sand, and 60 l of water?

Equation: 20 kg : 3 kg = 6 R 2 kg (6 fillings of cement, 2 kg remain)

70 kg : 12 kg = 5 R 10 kg (5 fillings of sand, 10 kg remain)

60 l : 10 l= 6 (5 fillings of water)

Answer: Mr. Bauer can fill the mixer 5 times.

A car company is getting a shipment. Half of the weight of the shipment is car tires. The rest of the weight is 300kg of tools, 850kg spare parts, and splash-water containers. If the splash-water containers are 3 times as heavy as the tools, what is the total weight?

Equation: 300 kg (tools)
300 kg • 3 = 900 kg (splash-water containers)
850 kg (spare parts)
(300 kg + 900 kg + 850 kg) • 2 = 4100 kg

Answer: The total shipment weighs 4100 kg.