









## Converting Mass

**Instructions:** Measure the mass (grams) of the feathers below if each feather weighs exactly **200 milligrams**.

$$1 \text{ gram} = 1000 \text{ milligrams}$$

1		milligrams
2		milligrams
3		grams
4		grams
5		grams
6		grams
7		grams
8		grams



Instructions: Fill in the blank boxes below.

$$1 \text{ kilogram} = 1000 \text{ grams}$$

1	1 kg =	g	9	kg = 1000 g
2	5 kg =	g	10	kg = 2000 g
3	8 kg =	g	11	kg = 3500 g
4	10 kg =	g	12	kg = 19,000 g
5	15 kg =	g	13	kg = 34,200 g
6	100 kg =	g	14	kg = 455,000 g
7	250 kg =	g	15	kg = 100 g
8	0.5 kg =	g	16	kg = 50 g









$$1 \text{ tonne} = 1000 \text{ kilograms}$$

1	1 t =	kg	9	t = 1000 kg
2	5 t =	kg	10	t = 3000 kg
3	8 t =	kg	11	t = 6500 kg
4	10 t =	kg	12	t = 12,500 kg
5	15 t =	kg	13	t = 110,000 kg
6	100 t =	kg	14	t = 745,000 kg
7	255 t =	kg	15	t = 520,500 kg
8	0.5 t =	kg	16	t = 600 kg

## Converting Mass

**Instructions:** Measure the mass (grams) of the feathers below if each feather weighs exactly **50 milligrams**.

$$1 \text{ gram} = 1000 \text{ milligrams}$$

1		milligrams
2		milligrams
3		grams
4		grams
5		grams
6		grams
7		grams
8		grams



**Instructions:** Fill in the blank boxes below.

$$1 \text{ kilogram} = 1000 \text{ grams}$$

1	1 kg =	g	9	kg = 1000 g
2	2 kg =	g	10	kg = 4500 g
3	6.5 kg =	g	11	kg = 8250 g
4	12 kg =	g	12	kg = 23,000 g
5	25.5 kg =	g	13	kg = 691,000 g
6	105 kg =	g	14	kg = 136,350 g
7	255 kg =	g	15	kg = 10 g
8	0.25 kg =	g	16	kg = 1 g

$$1 \text{ tonne} = 1000 \text{ kilograms}$$

1	1 t =	kg	9	t = 1000 kg
2	3.2 t =	kg	10	t = 4500 kg
3	19.5 t =	kg	11	t = 29,200 kg
4	25.6 t =	kg	12	t = 487,100 kg
5	150 t =	kg	13	t = 655,900 kg
6	681 t =	kg	14	t = 650 kg
7	0.2 t =	kg	15	t = 210 kg
8	0.55 t =	kg	16	t = 20 t