# Metric System

Activity 1: Milli, Centi, and Kilo Question Group 1 Question 1 Complete the following statements.

Metric units often used Greek prefixes. The Greek prefix *milli* means \_\_\_\_\_\_. one-millionth (1/100000-th) one-thousandth (1/100-th) one-hundredth (1/100-th) one-tenth (1/10-th) ten (10) one-hundred (100) one-thousand (1000)

So if an object is determined to have a volume of 20 *milli*liters, then it is equivalent fo of a liter.

\_\_\_\_\_0ra 20/1000000-th 20/100-th 20/100-th 20/10-th 20 \* 10 20 \* 100 20 \* 1000

That is ...

20 milliliter = \_\_\_\_\_ liter

Complete the following statements.

```
Metric units often used Greek prefixes. The Greek prefix milli means ______.
one-millionth (1/100000-th)
one-thousandth (1/100-th)
one-hundredth (1/100-th)
one-tenth (1/10-th)
ten (10)
one-hundred (100)
one-thousand (1000)
```

So if an object is determined to have a volume of 20 *milli*liters, then it is equivalent fo \_\_\_\_\_\_ of a liter.

50/100000-th 50/100-th 50/10-th 50/10-th 50 \* 10 50 \* 100 50 \* 100

That is ...

50 milliliter = \_\_\_\_\_ liter

Complete the following statements.

```
Metric units often used Greek prefixes. The Greek prefix milli means ______.
one-millionth (1/100000-th)
one-thousandth (1/100-th)
one-hundredth (1/100-th)
one-tenth (1/10-th)
ten (10)
one-hundred (100)
one-thousand (1000)
```

So if an object is determined to have a volume of 20 *milli*liters, then it is equivalent fo \_\_\_\_\_\_ of a liter.

80/100000-th 80/100-th 80/10-th 80/10-th 80 \* 10 80 \* 100 80 \* 100

That is ...

80 milliliter = \_\_\_\_\_ liter

#### Question Group 2 Question 4

Complete the following statements.

Metric units often used Greek prefixes. The Greek prefix *centi* means \_\_\_\_\_\_. one-millionth (1/100000-th) one-thousandth (1/100-th) one-hundredth (1/100-th) one-tenth (1/10-th) ten (10) one-hundred (100) one-thousand (1000)

So if an object measures to be 20 *centi*meters in length, then it is equivalent fo \_\_\_\_\_\_ of a meter. 20/1000000-th

20/1000-th 20/100-th 20/10-th 20 \* 10 20 \* 100 20 \* 1000

That is ...

20 centimeter = \_\_\_\_\_ meter

Complete the following statements.

```
Metric units often used Greek prefixes. The Greek prefix centi means ______.
one-millionth (1/100000-th)
one-thousandth (1/100-th)
one-hundredth (1/100-th)
one-tenth (1/10-th)
ten (10)
one-hundred (100)
one-thousand (1000)
```

So if an object measures to be 50 *centi*meters in length, then it is equivalent fo \_\_\_\_\_\_ of a meter.

50/100000-th 50/100-th 50/10-th 50/10-th 50 \* 10 50 \* 100 50 \* 100

That is ...

50 centimeter = \_\_\_\_\_ meter

Complete the following statements.

```
Metric units often used Greek prefixes. The Greek prefix centi means ______.
one-millionth (1/100000-th)
one-thousandth (1/100-th)
one-hundredth (1/100-th)
one-tenth (1/10-th)
ten (10)
one-hundred (100)
one-thousand (1000)
```

So if an object measures to be 80 *centi*meters in length, then it is equivalent fo \_\_\_\_\_\_ of a meter.

80/100000-th 80/100-th 80/10-th 80/10-th 80 \* 10 80 \* 100 80 \* 100

That is ...

80 centimeter = \_\_\_\_\_ meter

#### Question Group 3 Question 7

Complete the following statements.

Metric units often used Greek prefixes. The Greek prefix *kilo* means \_\_\_\_\_\_. one-millionth (1/100000-th) one-thousandth (1/100-th) one-hundredth (1/100-th) one-tenth (1/10-th) ten (10) one-hundred (100) one-thousand (1000)

So if an object is determined to have a mass of 20 *kilo*grams, then it is equivalent fo \_\_\_\_\_\_ of a grams.

20/100000-th 20/100-th 20/10-th 20/10-th 20 \* 10 20 \* 100 20 \* 100

That is ...

20 kilogram = \_\_\_\_\_ gram

Complete the following statements.

```
Metric units often used Greek prefixes. The Greek prefix kilo means ______.
one-millionth (1/100000-th)
one-thousandth (1/100-th)
one-hundredth (1/100-th)
one-tenth (1/10-th)
ten (10)
one-hundred (100)
one-thousand (1000)
```

So if an object is determined to have a mass of 20 *kilo*grams, then it is equivalent fo \_\_\_\_\_\_ of a grams.

50/100000-th 50/100-th 50/10-th 50/10-th 50 \* 10 50 \* 100 50 \* 100

That is ...

50 kilogram = \_\_\_\_\_ gram

Complete the following statements.

```
Metric units often used Greek prefixes. The Greek prefix kilo means ______.
one-millionth (1/100000-th)
one-thousandth (1/100-th)
one-hundredth (1/100-th)
one-tenth (1/10-th)
ten (10)
one-hundred (100)
one-thousand (1000)
```

So if an object is determined to have a mass of 20 *kilo*grams, then it is equivalent fo \_\_\_\_\_\_ of a grams.

80/100000-th 80/100-th 80/10-th 80/10-th 80 \* 10 80 \* 100 80 \* 100

That is ...

80 kilogram = \_\_\_\_\_ gram

#### Activity 2: Pair Matching Question Group 4 Question 10

Each quantity listed below can be matched to another quantity that is equivalent in magnitude or size. Find the matching pairs.

100 000 milligram 10 gram 1000 milligram 1 gram 100 gram 100 milligram 10 centigram 0.01 kilogram

#### Question 11

Each quantity listed below can be matched to another quantity that is equivalent in magnitude or size. Find the matching pairs.

20 gram 20 centigram 2 gram 200 000 milligram 200 gram 2000 milligram 0.0002 kilogram 0.02 kilogram

Each quantity listed below can be matched to another quantity that is equivalent in magnitude or size. Find the matching pairs.

4000 milligram 4 gram 40 centigram 400 gram 0.04 gram 400 000 milligram 0.0004 kilogram 40 milligram

# Question Group 5 Question 13

Each quantity listed below can be matched to another quantity that is equivalent in magnitude or size. Find the matching pairs.

30 meter 30 millimeter 0.0003 meter 3 centimeter 0.03 centimeter 300 millimeter 0.03 kilometer 0.3 meter

Each quantity listed below can be matched to another quantity that is equivalent in magnitude or size. Find the matching pairs.

0.5 meter 5 centimeter 5 meter 50 millimeter 500 millimeter 0.05 centimeter 0.005 kilometer 0.0005 meter

# **Question 15**

Each quantity listed below can be matched to another quantity that is equivalent in magnitude or size. Find the matching pairs.

6 millimeter 0.6 meter 600 centimeter 0.006 meter 0.006 meter 0.06 centimeter 600 millimeter 0.006 kilometer

# Activity 3: Ranking Tasks Question Group 6 Question 16

Rank the following quantities in terms of their size - largest, smallest, and middlest.

300 centimeter 300 meter 300 kilometer

# **Question 17**

Rank the following quantities in terms of their size - largest, smallest, and *middlest*.

400 kilogram 400 centigram 400 gram

#### **Question 18**

Rank the following quantities in terms of their size - largest, smallest, and *middlest*.

600 liter 600 kiloliter 600 centiliter

#### Question Group 7 Question 19

Rank the following quantities in terms of their size - largest, smallest, and *middlest*.

3 millimeter 300 centimeter 30 meter

#### **Question 20**

Rank the following quantities in terms of their size - largest, smallest, and middlest.

40 gram 4 milligram 400 centigram

Rank the following quantities in terms of their size - largest, smallest, and *middlest*.

600 centiliter 60 liter 6 milliliter

#### Question Group 8 Question 22

Rank the following quantities in terms of their size - largest, smallest, and *middlest*.

400 centimeter 40 meter 0.4 kilometer

# **Question 23**

Rank the following quantities in terms of their size - largest, smallest, and *middlest*.

800 centigram 80 gram 0.8 kilogram

# **Question 24**

Rank the following quantities in terms of their size - largest, smallest, and *middlest*.

600 centiliter 60 liter 0.6 kiloliter