



पुर्णता International School

Shree Swaminarayan Gurukul, Zundal

CLASS-6
SUB- MATHS

Introducing 1,00,000

Which is the greatest 5-digit number?

Adding 1 to the greatest 5-digit number, should give the smallest 6-digit number : $99,999 + 1 = 1,00,000$

This number is named one lakh. One lakh comes next to 99,999.

$$10 \times 10,000 = 1,00,000$$

We may now write 6-digit numbers in the expanded form as

$$2,46,853 = 2 \times 1,00,000 + 4 \times 10,000 + 6 \times 1,000 + 8 \times 100 + 5 \times 10 + 3 \times 1$$

This number has 3 at ones place, 5 at tens place, 8 at hundreds place, 6 at thousands place, 4 at ten thousands place and 2 at lakh place. Its number name is two lakh forty six thousand eight hundred fifty three.

MATHEMATICS

1.2.6 Larger numbers

If we add one more to the greatest 6-digit number we get the smallest 7-digit number. It is called ten lakh.

Write down the greatest 6-digit number and the smallest 7-digit number. Write the greatest 7-digit number and the smallest 8-digit number. The smallest 8-digit number is called one crore.

Complete the pattern :

$$9 + 1 = 10$$

$$99 + 1 = 100$$

$$999 + 1 = \underline{\hspace{2cm}}$$

$$9,999 + 1 = \underline{\hspace{2cm}}$$

$$99,999 + 1 = \underline{\hspace{2cm}}$$

$$9,99,999 + 1 = \underline{\hspace{2cm}}$$

$$99,99,999 + 1 = 1,00,00,000$$

UNIT OF LENGTH

Bigger unit to Smaller unit -----> **Multiply**

Smaller unit to Bigger unit -----> **Divide**

Example:

1 foot > 1 inch

Foot to Inch -----> **Multiply by 12**

Inch to Foot -----> **Divide by 12**

$$1\text{m} = 100\text{ cm}$$

$$2\text{m} = 200\text{ cm}$$

$$100\text{ cm} = 1\text{ m}$$

$$200\text{ cm} = \frac{1}{100} \times 200 = 2\text{m}$$

LENGTH

Metric

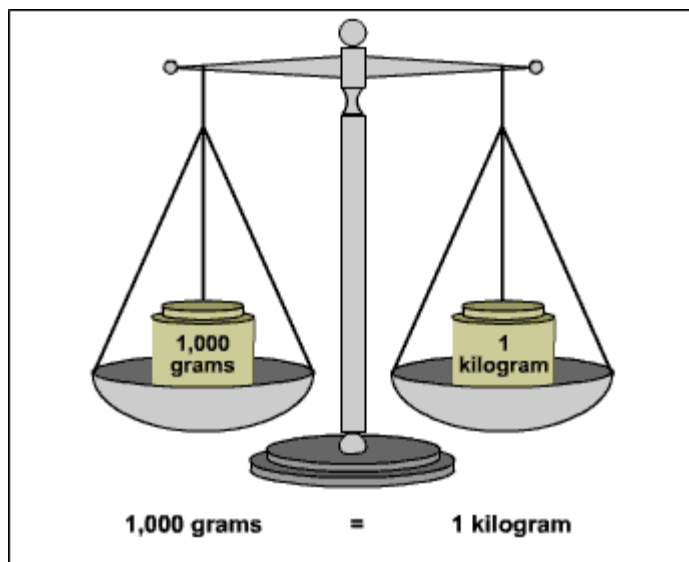
1 kilometer = 1000 meters
1 meter = 100 centimeters
1 centimeter = 10 millimeters

Customary

1 mile = 1760 yards
1 mile = 5280 feet
1 yard = 3 feet
1 foot = 12 inches

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UNIT OF QUANTITIES

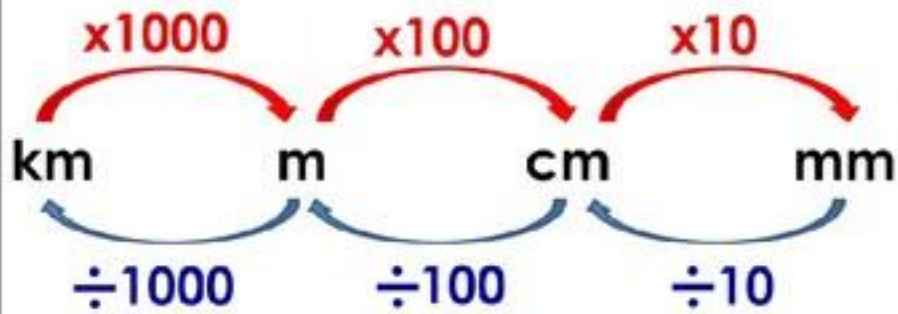


1 gram=1000 milligrams

1 litre = 1000 millilitres

UNIT OF DISTANCE

Converting Length Units



5km = ? m $5 \times 1000 = 5000\text{m}$ 1500 m = ? km $1500 \div 1000 = 1.5 \text{ km}$
3m = ? cm $3 \times 100 = 300 \text{ cm}$ 450 cm = ? m $450 \div 100 = 4.5 \text{ m}$
9cm = ? mm $9 \times 10 = 90 \text{ mm}$ 20 mm = ? cm $20 \div 10 = 2 \text{ cm}$