

Review for Math Test – Grade 6's

You will need to know the following:

Lesson 1: Multiplying by 10, 100, 1000

- Multiply whole and decimal numbers by 10, 100 and 100
- Ex 1: $7 \times 10 = 70$, $7 \times 100 = 700$, $7 \times 1000 = 7000$
- Ex 2: $4.39 \times 10 = 43.9$, $4.39 \times 100 = 439$, $4.39 \times 1000 = 4390$

Lesson 2: Dividing by 10, 100, 1000

- Divide whole and decimal numbers by 10, 100 and 100
- Ex 1: $9000 \div 10 = 900$, $9000 \div 100 = 90$, $9000 \div 1000 = 9$
- Ex 2: $248.4 \div 10 = 24.84$, $248.4 \div 100 = 2.484$, $248.4 \div 1000 = 0.2484$

Lesson 3: Multiplying by 0.1, 0.01, 0.001

- Multiply whole numbers by 0.1, 0.01, 0.001
- Ex 1: $5 \times 0.1 = 0.5$, $5 \times 0.01 = 0.05$, $5 \times 0.001 = 0.005$
- Ex 2: $584 \times 0.1 = 58.4$, $584 \times 0.01 = 5.84$, $584 \times 0.001 = 0.584$

Lesson 3: Converting Between Units

- Know the definitions of: **length/distance, capacity, mass**
- Need to know how to convert length/capacity/mass measurements
- Kilometre (km), hectometre (hm), decametre (dam), metre (m), decimetre (dm), centimetre (cm) and millimetre (mm)
- $1 \text{ km} = 1000 \text{ m}$, $1 \text{ m} = 10 \text{ dm} = 100 \text{ cm} = 1000 \text{ mm}$, $1 \text{ dm} = 10 \text{ cm}$, $1 \text{ cm} = 10 \text{ mm}$
 - Ex: $4 \text{ km} = \underline{\hspace{2cm}} \text{ m}$ (4000)
 - Ex: $300 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$ (3)
 - Ex: $50 \text{ cm} = \underline{\hspace{2cm}} \text{ mm}$ (500)
- $1 \text{ kg} = 1000 \text{ g}$, $1 \text{ g} = 1000 \text{ mg}$
 - Ex: $7 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$ (7000)
 - Ex: $2489 \text{ g} = \underline{\hspace{2cm}} \text{ mg}$ (2.489)
- $1 \text{ L} = 1000 \text{ ml}$
 - Ex: $6 \text{ L} = \underline{\hspace{2cm}} \text{ ml}$ (6000)

Use the following chart to help you remember to study. **Have your parents sign each time you study.**

How long did you study for?					
Parents Signature					

Study Package

1. Convert the following units.

a) 18 cm = _____ mm

b) 3 km = _____ cm

c) 18 000 m = _____ km

d) 509 dm = _____ cm

e) 900 mm = _____ dm

f) 723 cm = _____ m

g) 9.8 cm = _____ mm

h) 30 dm = _____ m

i) 4.56 km = _____ dam

j) 400 cm = _____ m

2. Insert **>**, **<** or **=** sign to make the statement true.

a) 4 kg 450 g

b) 50 mm 6 cm

c) 800 cm 1000 mm

d) 3200 ml 34 L

e) 7000 mg 8 g

f) 500 dm 50 cm