

# MATH MANIPULATIVES

## MIDDLE YEARS

<i>MANIPULATIVE</i>	<i>GRADE(S) USED</i>	<i>MINIMUM PER CLASS</i>	<i>ADDITIONAL FOR SCHOOL</i>	<i>APPROXIMATE COST</i>
Digi Blocks	5,6,7,8	100 block	1000 set	\$300.00/set
Base 10 Blocks	5,6,7,8	1 class set	1 set	\$300.00/set
Base 10 Overhead Blocks	5,6,7,8,	1 class set		\$15.00
*Coloured Tiles	5,6,7,8	1 box	1 box	\$20.00/box
Alge-Tiles (X replacement Kits)	7,8	1 set per pair of students	10 set	\$6.00/set
Alge- Tiles Overhead Set	7,8	1 set		\$40.00/set
Bingo Chips	5,6,7,8	2 or more colours		\$3.00/200
*Overhead Spinners	5,6,7,8	5 sets	5 sets	\$8.00/set
Regular Dice	5,6,7,8	10 sets	10 sets	\$3.00/set
Fraction Factory Pieces	5,6,7,8	5 container kit		\$150.00/kit
Fraction Factory Overhead Pieces	5,6,7,8	1 set		\$15.00/set
Pattern Blocks	5,6,7	3 tubs	1 tub	\$25.00/tub
*Tangrams	5,6,7	15 sets	5 sets	\$2.00/set
*3-D Geometric Models	6,7,8	1 set	1 set	\$25.00/set
Learning Carpets	5,6,7,8	Teacher guidebook	1 carpet/ school	\$300.00/ carpet
**Calculators (TI-108)	5,6	1 per pair of students	10	\$8.00 each
**Calculators (TI-12)	7,8	1 per pair of students	10	\$30.00 each
*Circular Protractor	7,8	1 per pair of students	10	\$3.00 each

It is an expectation on the grade 8 exam. That students have the use of calculators for all sections other than Mental Math.

\* Possible to make your own.

\*\* A better deal may be found at a local store. Grade 5 and 6 use a very basic class set, while the grades 7 and 8 students require added functions. It helps a great deal when the students have a common set of calculators to work with. (shop around)

# MATH MANIPULATIVES

## K-4

<i>MANIPULATIVE</i>	<i>GRADE(S) USED</i>	<i>MINIMUM PER CLASS</i>	<i>ADDITIONAL FOR SCHOOL</i>	<i>APPROXIMATE COST</i>
Base 10 Blocks	3,4	1 class set	1 set	\$300.00/set
Base 10 Overhead Blocks	3,4	1 class set		\$15.00
*Coloured Tiles	K,1,2,3,4	2 boxes	2 boxes	\$15.00/box
Counters- (centi-cubes)	1,2,3,4	2 tubs	1 tub (1000/tub)	\$40.00/tub
Digi-Blocks	1,2,3,4	100 block	1000 block	\$45.00 & \$260.00
Two Coloured Counters	K,1,2,3,4	2 sets	2 sets	\$15.00/ set
Dominoes	K,1,2	2 sets	2 sets	\$8.50/set
Bingo Chips (in several colours)	K,1,2,3,4	800 total		\$3.00/200
*Overhead Spinners	K,1,2,3,4	5 sets	5 sets	\$8.00/set
Regular Dice	K,1,2,3,4	10 sets	10 sets	\$3.00/set
Fraction Factory Pieces	4,5,6	5 container kit		\$150.00/kit
Fraction Factory Overhead	4,5,6	1 set		\$15.00/set
Unifix Cubes	K,1,2,3,4	3-4 sets	2 sets	\$18.00/set
Pattern Blocks	K,1,2,3,4	4 tubs	6 tub	\$25.00/tub
Pattern Blocks Overhead	1,2,3,4	2 stes	1 set	\$12.00/set
*Tangrams	K,1,2,3,4	10 sets	6 sets	\$2.00/set
Metric Tapes	1,2,3,4	1 pk. of 10	1 pk. of 10	\$10.00/pk.
*3-D Geometric Models	6,7,8	1 set	1 set	\$25.00/set
**Calculators (TI-108)	K,1,2,3,4	1 /pair of students	10	\$8.00 each
Sand & Water Table	K,1	1		\$250.00
Canadian Play Money	K,1,2,3,4	1 tray	1 tray	\$23.00

\* Possible to make your own.

\*\* A better deal may be found at a local store. It helps a great deal when the students have a common set of calculators to work with. (shop around)

## Recommended Materials for k-6 Classrooms

(\*May make yourself)

### Primary

- \*Ten frames
- \*Dot Cards
- \*Number Tracks
- \*Number Wands
- \*Place Value Kits
- \*Beach Ball Math
- \*100 charts
- \*Empty number lines (beaded)
- \*word wall

### Middle Years

- \*Beach Ball Math
- \*Number of the Day
- \*Place Value Kits
- \*Place Value Arrows
- \*Number Wands
- \*Pentominoes
- \*300 charts
- \*Empty number lines
- \*word wall

Materials that should be available in the school:

Geoboards  
Clock  
Geometric Solids  
Trundle wheel  
Graduated cylinders  
Balance scales  
Attribute blocks  
Logic sorts  
Capacity containers  
Sand timers  
Rulers, metre sticks  
Kg and various gram weights  
Cuisenaire Rods