Many of these stations have been designed as an assessment tool for the objectives of the new curriculum. However, teachers may choose to use these as introductory activities, practise activities or centre activities.

These stations lend themselves well to the adaptive dimension of the Core Curriculum. See <u>The Adaptive Dimension in the Core Curriculum</u> available in all schools. The document can be ordered from the Book Bureau (#1655). Changes can be made to the context or to the level of difficulty to adapt to the individual needs in your classroom.

Similar stations can be created by using activities from textbooks and other resources. Binders that accompany manipulatives are an excellent source of ready-made activities.

#### A few excellent resources are:

Name	Distributor	Where to Order	Order #	Cost
101 Winning Ways Base Ten Blocks 4-6 (good for (Active Learning Series)	Exclusive r low achievers and s	Book Bureau special needs)	6024	\$31.65
Pattern Blocks 6-8 (Active Learning Series)	Exclusive	Book Bureau	7179	\$29.85
The Geoboard Collection 7-9 (Active Learning Series) Check catalogue for newer vers	Exclusive ion.	Book Bureau	0089	\$31.00
Fraction Blocks (Active Learning Series) (good	Exclusive for reteaching)	Book Bureau	7172	\$32.00
Activities for Fraction Circles (3-8) (Creative Publications)	Addison-Wesley Publishers	Addison-Wesley Publishers	SC5-0-88488-942-4	\$35.70
Connections Grade 7 Also recommended for Geo/Measurement (Creative Publications)	Addison-Wesley Publishers	Addison-Wesley Publishers	SC5-0-56107-057-2	\$30.75

# Getting ready . . .

Station	1				mbers on ai lowly repea		assette. 1 number 3 tii	mes.		
		a)	9346			b)	800 008			
		c)	259			d)	6900			
		e)	202 240	273		f)	3 billion			
		g)	937.123	3		h	one hundred	l and one	thousandths	
		i)	6 tenths			j)	12 million, 6	6 thousand	d six	
		k)	one eigh	nth		1)	3 ten thousa	ndths		
		m)	35 hund	lredths		n)	111 thousan	d one hun	dred sixty on	ie
		Add ar	ny other	number	that you wi	sh				
		NOTE	<b>:</b>				e read larger: "one hundre		<b>)</b> "	
			,	2. <b>NO</b>	commas!	"2000"	and NOT '	"2,000"		
			,	3. 2000	but we use	spaces fo	or more digits	s - 20 000		
		hours o	of the tead	cher's tin	ne. Students	sometin	its on large nunes have diffi- rite what the	culty with	thout taking large numbe	rs
					the card, d orally o		everal numl tte.	bers that	you	
Station	2	Make j	place val	ue cards.	two hund	dred	forty		seven	
					esent each  i e number ar		n a separate e tement:	envelope.		
			89 247:	T	he missing	card is				
		On the	ir answei	r sheets s	tudents sho	uld write	:			
			"The mi	issing nu	mber is eigh	nty nine t	housand".			

**Station 3** Make cards as above using decimal numbers.

Station 4 Make cheque books using the following check blank:
Student writing: Invent name of bank, location, account number and add to check.
BILLS: make some or use some that you have that would be appropriate.

Cheque #		
Pay to the order of	\$	DOLLARS
	Signati	ure

**Station** 5 Great way to integrate the resource centre with mathematics.

**Station 6** Use thin drinking straws for uprights.

Cut these straws about 15 cm in length.

Use larger drinking straws for the beads. (Straws from McDonalds work well and all you need to do is ask for straws and they are usually very generous. Larger drinking straws are sometimes available at other fast food outlets or at department and at bargain stores.)

Cut them into 1-1.5 cm pieces.

Insert long thin straw into a small piece of plasticine.

Store each set in self sealing plastic bags.

**Station 7** This station helps students make the connection between math and other curricular areas. Most of the equipment is available in the science lab.

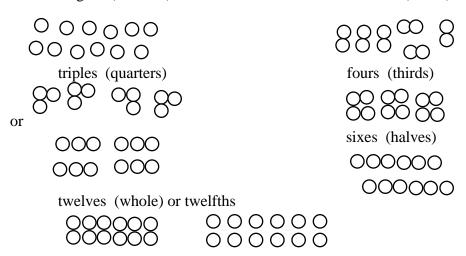
**Station 8** This station integrates a grade seven science unit and geography. Encourage students to "surf the net" if it is available.

**Station 10** Number tents are made with construction paper.

$$6000 + 700 + 3$$

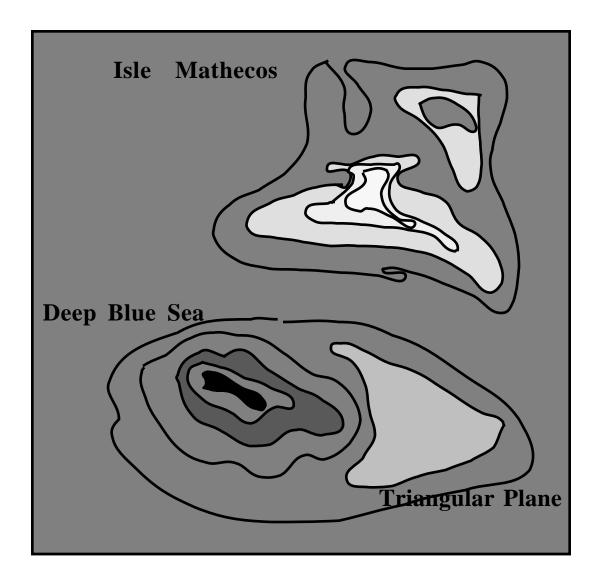
- 1. Cut construction paper and fold in half.
- 2. Make 10 of each size.
- 3. Label 0 to 9 on the smaller tents, 00 to 90 on the the next size, 000 to 900 on the third larger size and so on to 1 000 000.
- 4. Students can build numbers that are written on cards or they can take apart the tents to express numbers in expanded form.
- 5. For special needs students use a different color for each size.
- **Station 14** Used decks of cards can be obtained from casinos free of charge. These are great for generating numbers for all the operations.
- **Station 15** Decide what ratio to use for the colors of blocks. Blanks have been left on the activity card to allow you to use the cubes that are available in your school.
- **Station 18** Please be conscious of the sensitivity of some students at this age level regarding the measurement of body parts

**Station 19** To prepare egg cartons: Use several cartons cutting one of each like the following: singles (twelfths) doubles (sixths)



Differentiate each fraction by painting each one a different color. You can also place a different color dot on each with a felt marker.

- **Station 20** This station will appeal to the musical learners. It can be extended as a project for the gifted musical student.
- **Station 21** See station 19 for directions to make the egg cartons. The page with the fraction strips follows the station card 21.



4000 m above sea level
3000 m above sea level
2000 m above sea level
1000 m above sea level
500 m above sea level
200 m above sea level
sea level
200 m below sea level
500 m below sea level
1000 m below sea level

### **Numbers & Operations**

#### Station 14

1. Circle the greatest number:

1. \_\_\_\_\_ 2. \_\_\_\_ 3. \_\_\_\_

4. \_\_\_\_\_\_ 6. \_\_\_\_

7. \_\_\_\_\_\_\_ 8. \_\_\_\_\_\_ 9. \_\_\_\_\_

2. Integers in ascending order:

1. \_\_\_\_\_

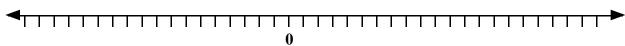
2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_

3. Label the number line:



4. Write the next three integers in each pattern

a) -7, -5, -3, \_\_\_\_\_

b) +4, +3, +2, \_\_\_\_\_ \_\_\_\_

c) +2, -3, +3, -4, \_\_\_\_\_

d) +2, +4, +16, \_\_\_\_\_

e) +6. +3, 0, \_\_\_\_\_

5. Which integer is

a) two less than -1? \_\_\_\_\_ b) three more than 0? \_\_\_\_\_

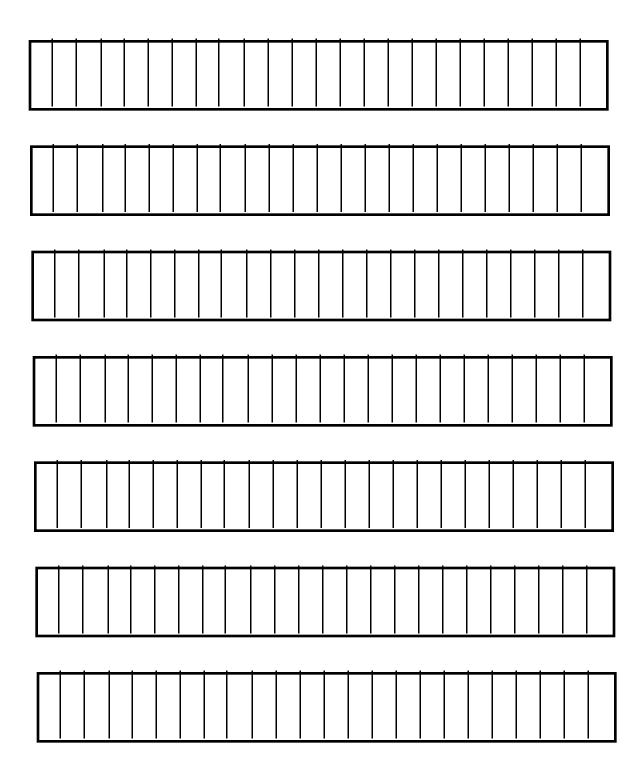
c) four more than -5? \_\_\_\_\_ d) five less than +3 \_\_\_\_\_

e) two more than the opposite of +6?

6. Use < or > to make up four statements that are true with integers.

Ex: -1 < 0

1. \_\_\_\_\_ 3. \_\_\_\_ 4. \_\_\_\_



# **Numbers & Operations Activity Sheet**

## Station 16

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Numbers & Op Fraction Strips	erations	Statio	on 21