## **Super Fun Lesson Using Pictographs and Smarties** Smarties?!

### **Remember these terms?**

# Maximum Smallest



## Minimum



east

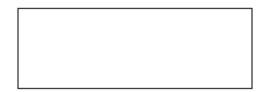
Greatest



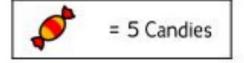
	Smarties Estimation Sheet								
Smarties Colour	How many I think there are (guess)	How many there actually are (real)	How much I was off by (difference between real and guessed)	Order from greatest to least (number them!)					
Red	10	9							
Purple	15	18							
Green	10	15							
Pink	12	17							
Orange	5	8							
Brown	7	14							
Yellow	20	14							
Total	79	95	•						

### Instructions

- Use the Smarties Estimation Sheet to guess how many of each colour are in the box. Also guess the total number of Smarties in the box.
- 2. Count how many of each colour you have, and the total.
- 3. How much were you off by? Subtact the real number and the number you guessed.
- 4. Order the colours from greatest to least.



Friend	Number of Candies Collected						Frequency	
Sam	\$	\$	\$	<b>\$</b>	\$	\$	\$	
Steve	\$	\$	\$	\$	\$	\$		
Tony	\$	\$	\$	\$	\$			
Jill	\$	\$	\$	\$	\$	\$	\$ \$	
Stacy	\$	\$	\$	\$				



## **Pictograph Instructions**

- 1. Label your top and side axes. Label your title.
- 2. Line up all your Smarties by colour.
- 3. Count them.
- 4. Think about what scale you will use. Make sure it will fit in the pictograph (limited to 10 spaces).
- 5. Fill in your scale value.
- 6. With coloured pencil or marker, draw in your Smarties pictures on your pictograph.
- 7. Write the frequency (number of each colour).

#### **Smarties Challenge Analysis Sheet**

Which color did your smarties box have the most of?	
Which color did your smarties box have the least of?	
What is the difference between the <b>most</b> smarties color and the <b>least</b> smarties color?	
How many smarties do you have if you only count the red, blue, and purple?	
How many smarties do you have if you only count the ,, and? (Choose your own colours)	

#### **Smarties Challenge - Self Assessment**

#### Name:

#### Date:

	Always	Sometimes	Rarely
1. I like using smarties to make a graph.	$\bigcirc$	(	(: 
2. I was able to make good estimates and record the data.	$\bigcirc$	(	:
3. I was able to sort and count my smarties according to colour.	$\bigcirc$	(	:
4. I was able to make a pictograph easily.	$\bigcirc$	(	:
5. I can explain my graph to others and answer all the questions.	$\bigcirc$	(	(=
6. Smarties challenge was easy for me.	$\bigcirc$	$\textcircled{\ }$	(ii)

## **Textbook Questions on Pictographs**

Grade 4 Math Makes Sense Textbook

- Page 171, Question 1 and 5
- Page 179, Question 1 to 4

Grade 5 Math Makes Sense Textbook

• Page 159, Question 3