

Chapter Review

LESSON

1. Nicole can flex her fingers 15 times every 10 s. How long would it take her to flex her fingers about one million times?
2.
 - a) List three numbers between 100 000 and 400 000 that each use six different digits.
 - b) Model each number on a place value chart. Sketch or describe each model.
 - c) Write each number in expanded form.
3. Write each number in words.
 - a) 3 120 048
 - b) 500 005
 - c) 12 316 148
4. A number between 100 000 and 500 000 is greater than a number between 200 000 and 400 000. What do you know about the first number?

5. Brandon researched the areas of some large deserts.
 - a) Compare the areas of the Chang Tang Desert and the Peruvian Desert. Use an inequality sign.
 - b) Order the area of the deserts from least to greatest. Explain your strategy.

Desert	Area in square kilometres
Chang Tang Desert	800 310
Peruvian Desert	253 820
Great Sandy Desert	388 500
Namib Desert	207 977

4. When you write the number 21.3 million, the left digit is in the ten millions column on the place value chart shown below.

Millions			Thousands			Ones		
Hundreds	Tens	Ones	Hundreds	Tens	Ones	Hundreds	Tens	Ones
	2	1	3	0	0	0	0	0

In which column is the leftmost digit for each of these numbers?

- a) 3.2 million
 - b) 0.57 million
 - c) 0.03 million
 - d) 58.1 thousand
7. A digital photo uses more than 157 kB of space, but less than 0.2 MB. What might its size be?

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8. The population of the Toronto area increased from about 4.3 million in 1996 to 4.7 million in 2001. About how many additional people were there each day in the Toronto area? Explain your thinking.

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9. The Aboriginal population per 1000 people in four cities is shown in the chart.
- Write a fraction for the number of Aboriginal people in each city.
 - Colour a thousandths grid for each number.
 - Write each number in expanded form.
 - Write each number in decimal form.

Aboriginal Population for Every 1000 People

City	Number for every 1000
Kamloops, BC	64
Ottawa, ON	13
Regina, SK	83
Prince Albert SK	292

10. Write each as a decimal.
- three thousandths
 - two hundred five thousandths
 - thirty-six thousandths
11. Write the decimal thousandths for each position on the number line.



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12. A recent survey showed that 217 out of every 1000 online shoppers in Canada are female.
- Write this as a decimal.
 - Round the decimal to the nearest hundredth. Show your strategy.
 - About how many shoppers out of 100 would be female?

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13. Put the same digit in each blank so the numbers are in order from greatest to least.

■.100 3.1■2 3.18■ 0.■33