

Island Numeracy Assessment

Grade 5+: Number Sense A



Collaborative Task:

The Big Belly Jelly Bean Factory supplies jelly beans to the best candy stores in Canada. The jelly beans are sold as a Pack of 10, a Superpack (10 packs), a Carton (10 Superpacks), a Box (10 Cartons) and a Pallet (10 Boxes).

				
Pallet	Box	Carton	Superpack	Pack of 10
100 000	10 000	1 000	100	10 jellybeans

The delivery truck of Big Belly Jelly Beans drove over a bump and some jelly beans fell off the back.

The truck started with 10 pallets, 9 boxes, 9 cartons, 9 superpacks and 9 packs. 1 099 990 jellybeans


Because of the bump, 1 pallet, 2 boxes, 3 cartons, 4 superpacks and 5 packs fell out. 123 450 jellybeans

How many jelly beans were left in the truck?

976 540 jellybeans

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Assessment Question	Answer Key
1. Write three hundred forty-seven thousand sixty-two as a numeral.	<p>Answer: 347 062</p> <p>Note: Does student recognize that zero must be used as a place holder?</p>
2. Write one million four hundred thirty thousand sixty-two as a numeral.	<p>Answer: 1 430 062</p>
3. How is 89 501 written in words?	<p>Answer:</p> <p>Eighty nine thousand five hundred one</p>
4. Write the numeral that is represented by $800\,000 + 40 + 9\,000$	<p>Answer: 809 040</p> <p>Note: Watch for answers like 849 000 which may indicate over-reliance on procedure rather than understanding place value.</p>
5. How many days would it take to spend \$100 000 if you spent \$100 each day?	<p>Answer:</p> <p>1 000</p>
6. Provide a reasonable estimation of the difference :	<p>Answers: (will vary)</p> <p>1 600 1 200 1 000</p>
9 600 – 7 954	

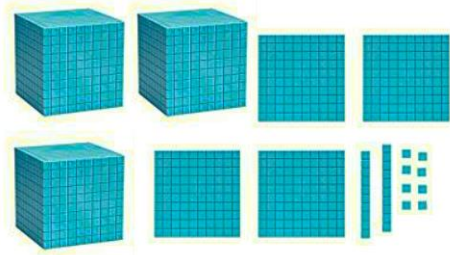
<p>7. Put the following numbers in order from greatest to least.</p> <p>521 035 506 583 50 795 523 004</p>	<p>Answer:</p> <p>523 004 521 035 506 583 50 795</p>
<p>8. What number does X represent?</p> 	<p>Answer:</p> <p>300 000</p>
<p>9. Write the number which is 10 000 more than 881 462</p>	<p>Answer:</p> <p>891 462</p>
<p>10. What is the value of the underlined digit? <u>6</u>27 384</p>	<p>Answer:</p> <p>600 000</p>

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Performance Task:

- A. Show three or more ways to describe and represent 3 428.



Many possible answers, including:

$$3\,400 + 28$$

$$3\,000 + 428$$

Three thousands and 428 ones

34 hundreds and 28 ones

It is more than 3 400 but not a lot more.

It is 72 less than 3 500

- B. Describe **three** different situations where 3 428 could represent a quantity?

Fans at a hockey game.

Price of a flat screen TV.

Nearly the number of days in ten years.

Books in our school library.