

Unit 2: Number Sense

Quiz (Lessons 1–4) — MB

Name: _____

Date: _____

1. Write the place value of the digit 5 in 8 534 271. _____

2. Write the number for the expanded form.

$$800\,000 + 5000 + 40 + 6 = \underline{\hspace{2cm}}$$

BONUS► Write the numeral for the number word.

Two billion, eight hundred seven million, six thousand, thirty = _____

3. Write 9 040 210 as a number word.

4. Write the correct inequality sign (> or <) in the box.

a) 7199 7295

b) 823 308 672 82 338 642

5. Add. Regroup when necessary.

a) $24\,673 + 35\,466$

b) $704\,362 + 98\,357$

		2	4	6	7	3																
	+	3	5	4	6	6																

6. Subtract. Regroup when necessary.

a) $64\,673 - 35\,866$

b) $704\,362 - 98\,357$

		6	4	6	7	3																
	-	3	5	8	6	6																

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Answer Key

Quiz (Lessons 1–4) — MB

1. hundred thousands
2. 805 046

BONUS

- 2 807 006 030
3. nine million, forty thousand,
two hundred ten
 4. a) <
b) >
 5. a) 60 139
b) 802 719
 6. a) 28 807
b) 606 005

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Quiz (Lessons 5–8) — MB

Name: _____

Date: _____

1. a) Circle the place value to which you will round each number when estimating.

i) $34\,509 - 34\,243$

ii) $183\,456 + 40\,389$

BONUS ► $875\,234\,239 - 672\,092\,456$

- b) Estimate the answer.

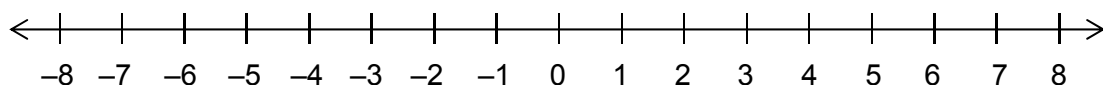
i) _____

ii) _____

BONUS ► _____

2. Estimate the answer to the addition $567\,409 + 375\,968$.
Explain what method of estimation you used and why.

3. a) Circle the integers on the number line: 4, -6, -1, 1.



- b) Order the integers you circled from least to greatest.

_____ < _____ < _____ < _____

4. Write an integer that represents 149 m below sea level. _____

5. The opposite of -16 is _____.

6. Compare the integers. Write > or <.

a) $823 \square -7642$

b) $-19 \square -17$

BONUS ► Which temperature is warmer, -2°C or -5°C ? Explain.

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Answer Key

Quiz (Lessons 5–8) — MB

1. a) Circle the digits
in the following
place values:
i) hundreds
ii) ten thousands

BONUS

hundred millions

- b) i) 300
ii) 220 000

BONUS

200 000 000

2. Answers will vary.
Sample answer:
 $500\,000 + 400\,000$
 $= 900\,000$
I rounded one number up
and the other number down
to the leading digit so that
the errors cancel each
other, because the
ten thousands digit is close
to 5 in both numbers.

3. a) Teacher to check.
b) -6, -1, 1, 4

4. -149

5. +16 or 16

6. a) >
b) <

BONUS

$2 < 5$, so $-2 > -5$, so -2°C
is warmer than -5°C .

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Test (Lessons 1–4, 6–8) — MB

Name: _____

Date: _____

1. Write the place value of the digit 3 in 6 534 871. _____

2. Write the number for the expanded form.

$$700\,000 + 50\,000 + 400 + 9 = \underline{\hspace{2cm}}$$

3. Write the numeral for the number word.

Four billion, seven hundred seventeen million, sixteen thousand, thirty-four = _____

4. Write 5 042 310 as a number word.

5. Order the numbers from greatest to least. Use the inequality signs.

37 199

27 495

37 199 370

37 179 470

6. Add. Regroup when necessary.

a) $27\,673 + 85\,319$

b) $904\,263 + 95\,177$

		2	7	6	7	3																
		+	8	5	3	1	9															

7. Subtract. Regroup when necessary.

a) $64\,373 - 57\,866$

b) $904\,263 - 95\,177$

		6	4	3	7	3																
		-	5	7	8	6	6															

Unit 2: Number Sense

continued

Test (Lessons 1–4, 6–8) — MB

8. a) Circle the place value to which you will round each number when estimating.

i) $183\,456 - 180\,389$

BONUS ► $875\,234\,239 + 72\,092\,456$

- b) Estimate the answer.

i) _____

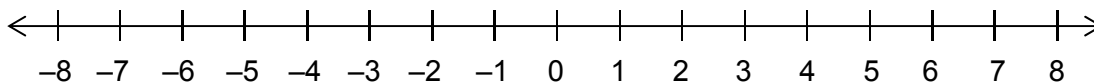
BONUS ► _____

= _____

= _____

9. The distance from Vancouver, BC to Sydney, Australia is 12 493 km. The distance from Thunder Bay, ON to Wellington, New Zealand is 13 673 km. Estimate how much longer is the second distance. Explain your estimation strategy.

10. a) Circle the integers on the number line: 5, -3, -8, 4.



- b) Order the integers you circled from least to greatest.

_____ < _____ < _____ < _____

11. Write an integer that represents 9 hours behind London, UK. _____

12. The opposite of -165 is _____.

13. Compare the integers. Write > or <.

a) $83 \square -742$

b) $-119 \square -127$

BONUS ► What integer is equal to its opposite? Explain.

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Test (Lessons 1–4, 6–8) — MB

1. ten thousands
2. 750 409
3. 4 717 016 034
4. five million,
forty-two thousand,
three hundred ten
5. $37\,199\,370 > 37\,179\,470$
 $> 37\,199 > 27\,495$
6. a) 112 992
b) 999 440
7. a) 6507
b) 809 086
8. a) Circle the digits
in the following
place values:
i) thousands

BONUS

ten millions

- b) i) $183\,000$
 $- 180\,000$
 $= 3000$

BONUS

$880\,000\,000$
 $+ 70\,000\,000$
 $= 950\,000\,000$

9. Answers will vary.
Sample answer:
 $13\,600\text{ km} - 12\,500\text{ km}$
 $= 1100\text{ km longer}$
I rounded to the nearest
hundred because the
thousands are very close.
10. a) Teacher to check.
b) $-8, -3, 4, 5$
11. -9
12. $+165$ or 165
13. a) $>$
b) $>$

BONUS

0 is equal to its opposite,
because its distance from 0
is zero.