

Grade 4 Mathematics

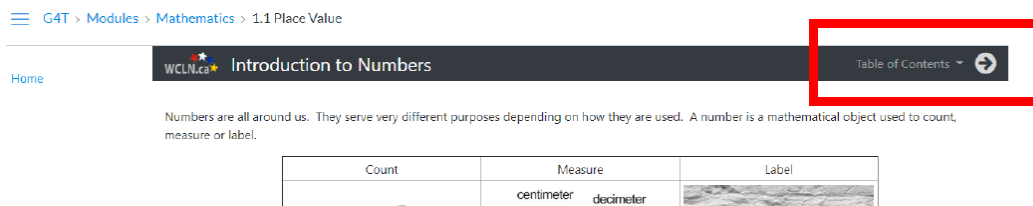
Week of February 16 – February 19

Lesson 5.3: Variables

Lesson Materials

- Lessons for Section [5.3 Variables](#)
- Equations Learning Guide (This PDF)

Use the link above to open the lessons for this section. Remember: on the lesson page, use the arrow next to the “Table of Contents” at the **top of the page** to move through the lessons. You can also click on the Table of Contents to open the menu so you can jump to a specific lesson page.



Work through the online lessons for this section. You can work at your own pace or follow the suggested schedule below. Complete the activities in your Learning Guide as you work through the lessons. You can print the Learning Guide, or, copy out the questions on a separate piece of paper. Be sure to try the games and practice quizzes as you make your way through the online lesson book.

Suggested Lesson Schedule

<p>Monday</p> <ul style="list-style-type: none">• Family Day <p>Tuesday</p> <ul style="list-style-type: none">• What is a Variable?• Variables• LG p. 14, #1 <p>Wednesday</p> <ul style="list-style-type: none">• Terms• Creating Equations• LG p. 14, #2	<p>Thursday</p> <ul style="list-style-type: none">• Matching Terms• Practice• LG p. 14/15, #3 <p>Friday</p> <ul style="list-style-type: none">• Challenge Yourself• LG p. 15, #4
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5.3 VARIABLES

1. Fill in the missing number in each equation

a) $40 + \underline{\hspace{2cm}} = 52$

b) $\underline{\hspace{2cm}} \times 10 = 110$

c) $32 = \underline{\hspace{2cm}} \times 4$

d) $\underline{\hspace{2cm}} \div 6 = 7$

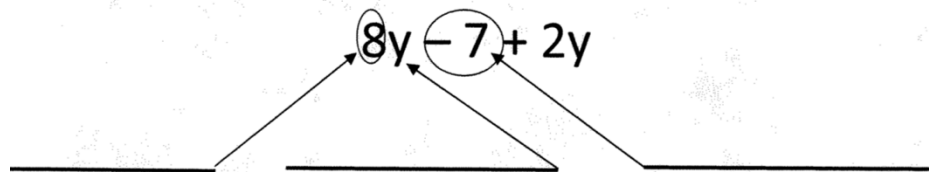
e) $40 = \underline{\hspace{2cm}} - 8$

f) $4 + \underline{\hspace{2cm}} = 90$

2. Label the variable, coefficient and constant in each expression below:

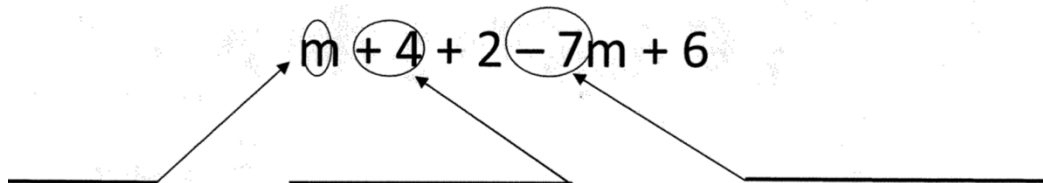
a)

$8y - 7 + 2y$



b)

$m + 4 + 2 - 7m + 6$



3. Write an equation for each situation.

EXAMPLE: There are 8 oranges altogether. Six are outside of the basket. How many are in the basket? Answer: $8 = 6 + x$

a) There are 10 oranges altogether. 4 are outside of the basket. How many are in the basket?

b) There are 9 tennis balls. 5 are in containers. How many are not in containers?

c) 5 children are at a park. 3 are on the swings. How many are not on swings?

d) There are 7 children in the yard. 5 are in the pool. How many are not in the pool?

e) Jordan has 10 stamps altogether. 4 are Canadian. How many are from other countries?

f) 12 kids are in art class. 7 are girls. How many are not girls?

g) A hockey line has 5 players. 3 play forward. How many play defense?

h) There are 7 children in the yard. 4 are in the sandbox. How many are not in the sandbox?

4. Translate each of the following into an equation, and then solve the equation.

Example: The sum of number and 12 is 30. $x + 12 = 30$
 $x = 18$

a) The sum of a number and 2 is 12.

b) The difference of a number and 12 is 30.

c) If 2 is subtracted from a number, the result is 4.

d) If three times a number is increased by 4, the result is 10.

e) The sum of 8 and 5 is equal to the difference of number and 7.