

Name: _____ Teacher: _____ Grade: _____

Grades 1-2 February MATH CHALLENGE

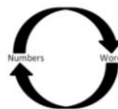
Your challenge is to use your problem solving skills to solve these two problems. There are *MANY* ways to work on these. *Be sure to show your thinking using pictures, number, and/or words.* Due: February 28, 2017

A frog fell in a well that was 20 feet deep. Each day he climbed 3 feet up the well's sides. At night he slid back down 1 foot. How many days did it take him to climb out of the well? **Show your work.**

Which **MATH PRACTICES** did you use to solve this problem? Circle all that apply.



I can make a plan and use my plan to solve the problem without giving up.



I can use numbers and words to help me make sense of problems.



I can explain my thinking and try to understand others.



I can recognize math in everyday life and use math I know to solve problems.



I can use math tools and tell why I chose them!



I can work carefully and be clear when I share my ideas. I can check my work.



I can see and understand how numbers and shapes are put together as parts and wholes.



I can create shortcuts and generalizations and reflect on the reasonableness of my answers.

Ron hides his money in 3 different jars. The first jar has \$5 in it. The second jar has double that amount. The third jar has \$4 less than the second jar. How much money does Ron have altogether? Show your work.

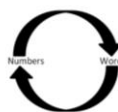
Grade 2 Only:

If Ron spends \$9, how much money will he have left?

Which **MATH PRACTICES** did you use to solve this problem? Circle all that apply.



I can make a plan and use my plan to solve the problem without giving up.



I can use numbers and words to help me make sense of problems.



I can explain my thinking and try to understand others.



I can recognize math in everyday life and use math I know to solve problems.



I can use math tools and tell why I chose them!



I can work carefully and be clear when I share my ideas. I can check my work.



I can see and understand how numbers and shapes are put together as parts and wholes.



I can create shortcuts and generalizations and reflect on the reasonableness of my answers.

Name: _____ Teacher: _____ Grade: _____

GRADES 3-4 February MATH CHALLENGE

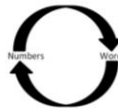
Your challenge is to use your problem solving skills to solve these two problems. There are *MANY* ways to work on these. Be sure to show your thinking using pictures, number, and/or words. *Due: February 28, 2017*

Three paper bags contain a total of 24 apples. The first and second bags contain a total of 11 apples. The second and third bags contain a total of 18 apples. How many apples are in the first and third bags together? Show your work.

Which **MATH PRACTICES** did you use to solve this problem? Circle all that apply.



I can make a plan and use my plan to solve the problem without giving up.



I can use numbers and words to help me make sense of problems.



I can explain my thinking and try to understand others.



I can recognize math in everyday life and use math I know to solve problems.



I can use math tools and tell why I chose them!



I can work carefully and be clear when I share my ideas. I can check my work.



I can see and understand how numbers and shapes are put together as parts and wholes.



I can create shortcuts and generalizations and reflect on the reasonableness of my answers.

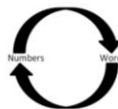
The oldest living woman is Kamato Hongo of Japan. She is 115 years old. How many months has she lived?

Grade 4 Only: How many days (not considering leap years)? How many hours?

Which **MATH PRACTICES** did you use to solve this problem? Circle all that apply.



I can make a plan and use my plan to solve the problem without giving up.



I can use numbers and words to help me make sense of problems.



I can explain my thinking and try to understand others.



I can recognize math in everyday life and use math I know to solve problems.



I can use math tools and tell why I chose them!



I can work carefully and be clear when I share my ideas. I can check my work.



I can see and understand how numbers and shapes are put together as parts and wholes.



I can create shortcuts and generalizations and reflect on the reasonableness of my answers.