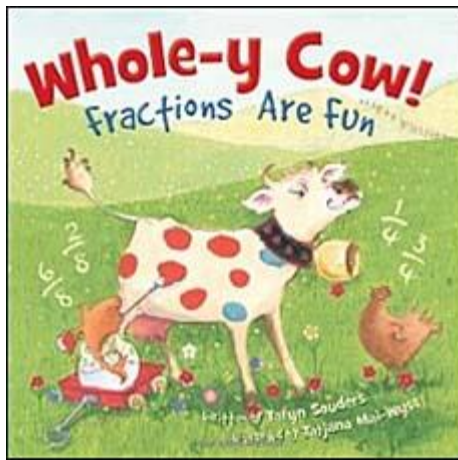




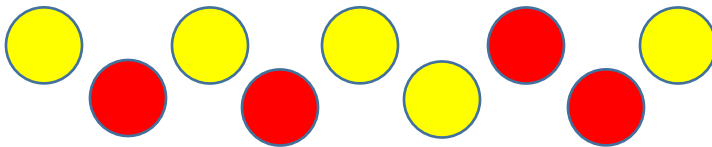
Math Literacy Project

- 1) There are 26 red spots on the cow, and there are 19 blue spots on the cow. How many spots are there all together on the cow?

CCSS.2.OA.A.1

Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions

- 2) The chickens want to put some red and yellow dots on the cow. They are thinking about several different patterns that they could use to help them place the dots. The chickens want to use a pattern that allows them to use exactly the same number of red and yellow dots. Is that possible with the dots that are given below if all of the dots are used? Explain.



CCSS.2.OA.C.3

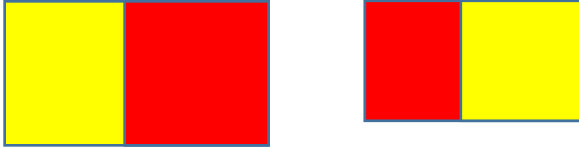
Determine whether a group of objects (up to 20) has odd or even number of members.

- 3) The cow swims for a total of 28 minutes. Which of the following are equal to the amount of time that the cow spends swimming?
 - a. $9+12+7$
 - b. $15+6+9$
 - c. $3+14+8+3$
 - d. $8+7+5+9$
 - e. $3+10+6+9$

CCSS.2.OA.C.4

Use addition to find the total number of objects arranged in rectangular arrays with up to 5 rows and up to 5 columns; write an equation to express the total as a sum of equal addends.

- 4) Mr. Cow asks his farm friends to draw any shape and then to color in half of that shape. Below are two examples of the farm friends' work. Are either/both correct? Explain your answer.



CCSS.1.G.A.3

Partition circles and rectangles into two and four equal shares, describe the shares using words *halves*, *fourths*, and *quarters*, and use the phrases *half of*, *fourth of*, and *quarter of*.

- 5) The cow was having a party. He was putting together favor bags for all of his farm friends. He put ten stickers in each bag that he made. He made 10 bags. How many stickers were there total? Show your work.

CCSS.2.NBT.A.1

Understand that the three digits of a three digit number represent amounts of hundreds, tens, and ones.

A. 100 can be thought of as a bundle of ten tens called a "hundred".

- 6) Cow is trying to figure out how many eggs the chickens laid last night. He asks each of the chickens how many eggs that they laid. He wrote their answers down with the help of his friend, Pig. When cow looks at Pig's notes, he sees that there are 8 tens and 4 ones. How many eggs is that total?

CCSS.2. NBT. 1

Understand that the three digits in a three digit number represent amounts of hundreds, tens, and ones.

- 7) Cow and his four friends were looking at their paint brushes. Total, there are 60 paint brushes. If each friend has the same number paint brushes, how many brushes do cow and each of his four friends have?

CCSS.3.OA.A.4

Determine the unknown whole number in a multiplication or division equation relating three whole numbers.

- 8) The chicken paints 3 spots on cow per day on Monday, Tuesday, and Wednesday. She paints 5 spots on cow per day on Thursday, Friday, and Saturday. Chicken wants to have a total of 30 spots painted on Cow in a week. How many spots must Tracy paint on Sunday to have 30 total spots on Cow?

CCSS.3.OA.D.8

Solve tow-step word problems using the for operations. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers using mental computation and estimation strategies including rounding.

- 9) There are 32 animals on the farm including cow. If each animal gets three toys to play with, how many toys are there on the farm?

CCSS.3.OA.3

Use multiplication and division within 100 to solve word problems in situation involving equal groups, arrays, and measurement quantities.

- 10) There are 200 chickens on the farm, 300 sheep in the pasture, and 400 goats in the other pasture. The pastures are going to be combined to make one large pasture. If they are combined, how many animals will be in the large pasture total?

CCSS.2.NBT.A.2

Count within 1000; skip-count by 5s, 10s, and 100s.