

Santa Ana Math Club

February 26, 2011

Name:

School:

Grade:

Review

1. 8 people are playing a card game. Each of them must have 3 cards in order to play the game, however there are not enough cards in the set for them to all play. If they need 4 more cards to play, how many cards do they have now?
2. Alex, Johnny, and Andrew all like to play marbles. Andrew has the most marbles. He has 15 more than Johnny, who has the least marbles. Alex has 20 marbles. If Alex has 10 more marbles than Johnny, how many marbles do they have if they combined their marbles?
3. Staphany bought fifteen pencils. She paid 24 dollars for them. Express the cost of one pencil as a fraction in its reduced form.
4. There are three llamas in a farm. This is a special farm that only has llamas and chickens (all of which have the normal number of legs). If there are 30 legs total between the llamas and chickens, how many chickens are there?
5. There are a lot of cute puppies in the shelter at the moment. Eight of them are adopted on Monday. Each day, two more puppies than the day before are adopted. After five days, all of the puppies are adopted. How many puppies were there at the start of the week?
6. **Random Fact:** The platypus is very unique since it is one of two species of egg-laying mammals and is one of a few poisonous mammals. There are six platypoda (one of the several plural forms of platypus; also known as platypi or platypuses) in a small pond. Two of them are male and the others are female. One of the females is too young to lay eggs, while the other ones do lay eggs. If there are 18 eggs, how many eggs does each female lay?

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7. **Random Fact:** The echidna is the only other mammalian species of egg-laying mammal. Erika the echidna is friends with Perry the platypus. The two of them have 38 bugs collected. If Erika has 12 more bugs than Perry, how many bugs does Erika have?

8. **Random Fact:** The nightshades represent a number of agricultural products as well as toxic plants. The scientific name for this family is solanaceae, from Latin *Solanum* meaning “the nightshade plant”. Potatoes, tomatoes, and eggplants are all part of this family. A farmer raises only these three plants and has 21 potatoes. The number of tomatoes is $\frac{1}{3}$ the number of potatoes. He has 8 more eggplants than tomatoes. How many total potatoes, tomatoes, and eggplants does he have? (Give the number for each and the total)

9. I just put 3 random facts on this page. On another worksheet, I wrote $\frac{8}{3}$ the number of random facts that I had here. Then had Johnny added 5 more random facts, and I then too one out. How many random facts are there on the new worksheet? (Don't worry, there aren't anymore random facts on the next worksheet. :D)

10. I have eight magazines on my table and three books. My math textbook is also on the table, as are four newspapers. What is the total number of items on the desk? _____ What is the fraction of magazines, books, textbooks, and newspapers? Write each as a reduced fraction.

11. I watched 8 TV shows this week. $\frac{1}{2}$ of them were thirty minutes long, while $\frac{1}{4}$ of the shows are forty minutes long. The rest are one hour long. How long did I spend watching television this week? Express in hours also as an improper fraction, a mixed fraction, and an estimated decimal.

12. A whale weighs 600 pounds **plus** half of its weight. How much does the whale weigh?