

Be sure to show all of your work and label your answer. Do your best thinking!

1 In the year 2049, Christmas Day will be a Saturday.
On what day of the week will New Year's Day, 2050, fall?

2 Erik has a quarter and 6 pennies.
Lauren has 2 dimes.
Adam has 4 nickels and 7 pennies.

How can they share the coins so that each person has the same amount of money?

3 If you toss a penny 10 times, how many times do you think it will come up heads? Why?

4 A) Find the sums.
 $3 + 4 = \underline{\hspace{2cm}}$
 $13 + 4 = \underline{\hspace{2cm}}$
 $23 + 4 = \underline{\hspace{2cm}}$
 $33 + 4 = \underline{\hspace{2cm}}$
 B) What pattern can you find in the ones place of the sums?
 C) What pattern can you find in the tens place of the sums?

5 How can you draw a straight line so that
there are eight dots on each side of the line?
Find as many ways as you can.

