How many 4-digit numbers greater than 5,000 can be formed using each of the digits $0,3,5$, and 8 exactly once?

2 What fraction must be added to $\frac{1}{8}$ to get $\frac{3}{4}$ ?

3 Find the sum of $\frac{5}{12}, \frac{1}{3}$, and $\frac{7}{12}$. Express your answer as a mixed number in its simplest form and as an improper fraction.

Two circles form a pair if they touch each other. How many pairs are there in the following diagram?


During my vacation, I sent each of my friends 1 of the 5 postcards shown below. There are no ducks on Mike's card. Cara's card has the sun on it. There are 2 insects on Paula's card. Lexi's card has a dog on it. There are kangaroos on Heather's card. Which card did Mike get?


6 Mena spent $\frac{4}{9}$ of her money and now has $\$ 25$ left. How much money did Mena have at first?

7 A floor, 9 feet by 12 feet, is to be tiled with 4 inch by 6 inch tiles. How many tiles are needed to cover the floor?

Hint: You can only purchase whole tiles.

8
Alex lights a candle every 10 minutes. Each candle burns for 40 minutes and then goes out. How many candles are still burning 55 minutes after Alex lit the first candle?

## Success Beyond Just Math

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