MATH COUNTRY

6 Find a secret number.

▶ The secret number has 5 digits: 3, 9, 1, 6, 2

1. The digit in the tens place is a prime number

2. The digit in the ten thousands place is 3 times the digit in the tens place

3. The secret number rounds to 90,000.

4. The difference of the digits in the hundreds place and ones place is 5.

5. The digit in the hundreds place is odd.

7 Circle all the prime numbers on the number line.

▶ The only factors of a prime number are 1 and itself.

▶ A composite number has more factors than just 1 and itself.

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

8 Find and circle all the prime numbers.

47,   25,   63,   71,   31,

81,   23,   35,   41,   87,

37,   80,   59,   58,   34.

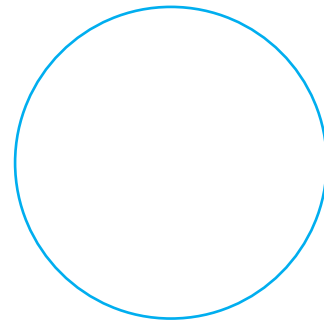## 9   Make a model that represents a graphic solution for each problem.

▶ Sophia's dad is baking some delicious lemon muffins. To help out, Sophia cuts a stick of butter into 3 equal pieces. Sophia's dad uses 1 piece for baking cookies.

▶ Sonia loves cucumbers and plants them in her garden every spring. Before Sonia plants the cucumbers, she divides her garden into 4 equal parts. Sonia plants cucumbers in 2 parts of the garden.
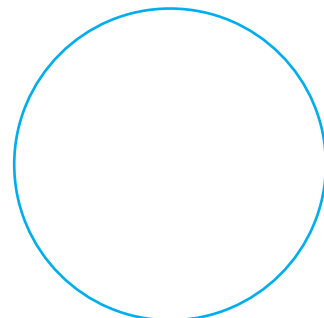
▶ Jeffrey's grandma Zelda makes the best peach pie. Jeffrey cuts the pie into 8 equal pieces. Then, he offers the pieces to his aunt and uncle as they leave for home. Jeffrey gives 2 pieces to Uncle Tom's family.

▶ Michelle is going to a picnic with her friends. She decides to bring a long sub sandwich to share. She cuts the sandwich into 6 equal pieces so it will fit in her picnic basket. Her friends have asked for different toppings, so Michelle adds cheese to 4 of the pieces and olives to 2 of the pieces. Draw a model that represents the fraction of the sandwich that has cheese.

▶ Robert has baked a lemon pie. He knows he should not eat the whole thing at once. So, he cuts the pie into 2 equal pieces. Robert eats 1 piece now.

MATH COUNTRY

10 Decompose a fraction into a sum of fractions two different ways.

$\frac{5}{6}$ = ─── + ─── + ─── = ─── + ─── + ───

$\frac{4}{8}$ = ─── + ─── + ─── = ─── + ─── + ───

$\frac{7}{9}$ = ─── + ─── + ─── = ─── + ─── + ───

$\frac{11}{14}$ = ─── + ─── + ─── = ─── + ─── + ───

11 Solve the problems.

▶ $1\frac{1}{3} + 4\frac{1}{3} =$

▶ $5\frac{1}{5} + 7\frac{2}{5} =$

▶ $11\frac{4}{7} - 10\frac{3}{7} =$

▶ $5\frac{4}{11} + 6\frac{6}{11} =$

▶ $1\frac{1}{6} + 10\frac{3}{6} =$

▶ $9\frac{2}{4} - 3\frac{1}{4} =$

▶ $11\frac{7}{9} - 5\frac{5}{9} =$

▶ $12\frac{7}{10} - 5\frac{1}{10} =$

▶ $5\frac{7}{8} - 1\frac{1}{8} =$

▶ $11\frac{2}{5} - 2\frac{1}{5} =$

▶ $6\frac{2}{11} + 1\frac{1}{11} =$

▶ $5\frac{1}{10} + 8\frac{7}{10} =$