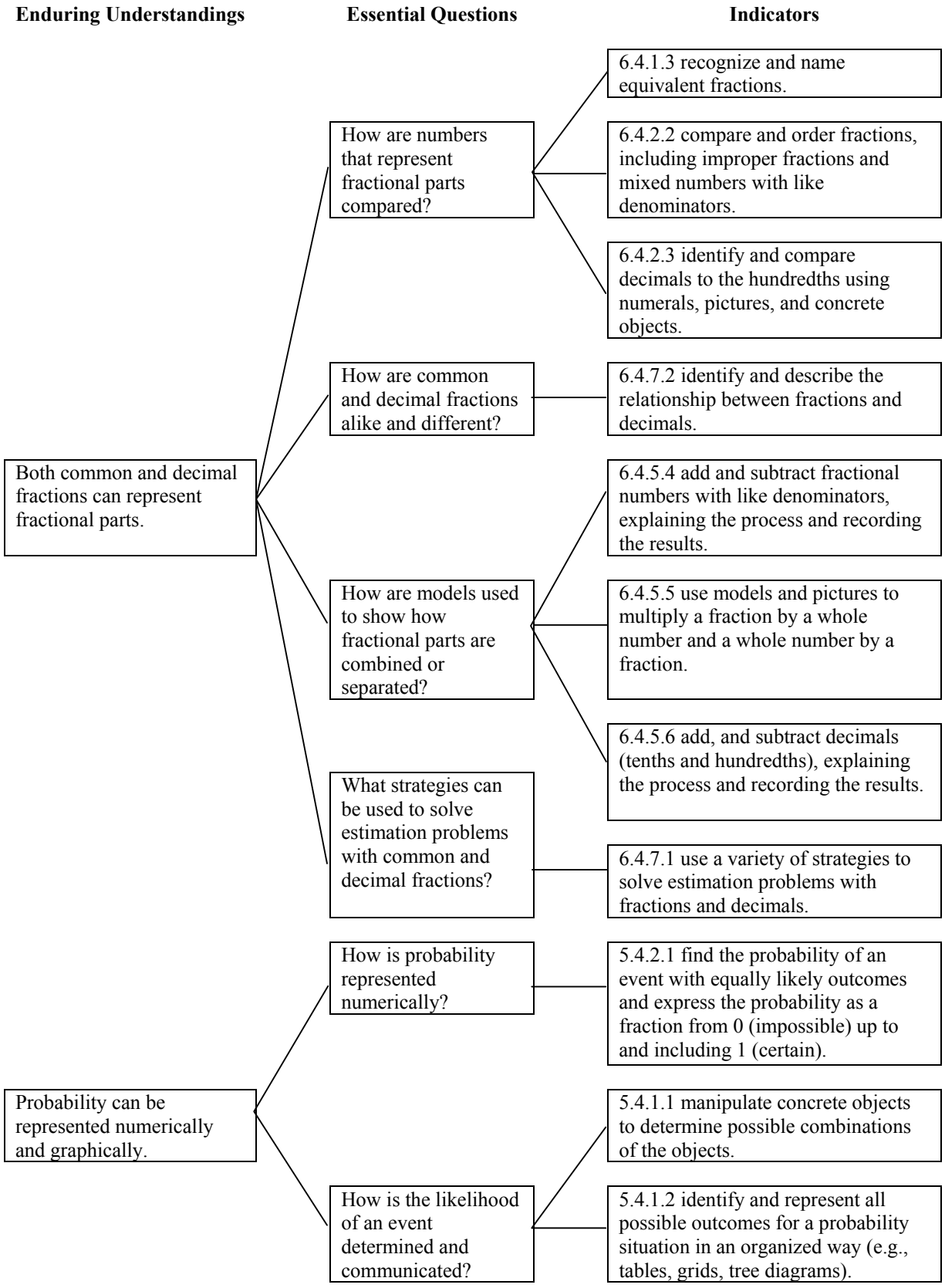
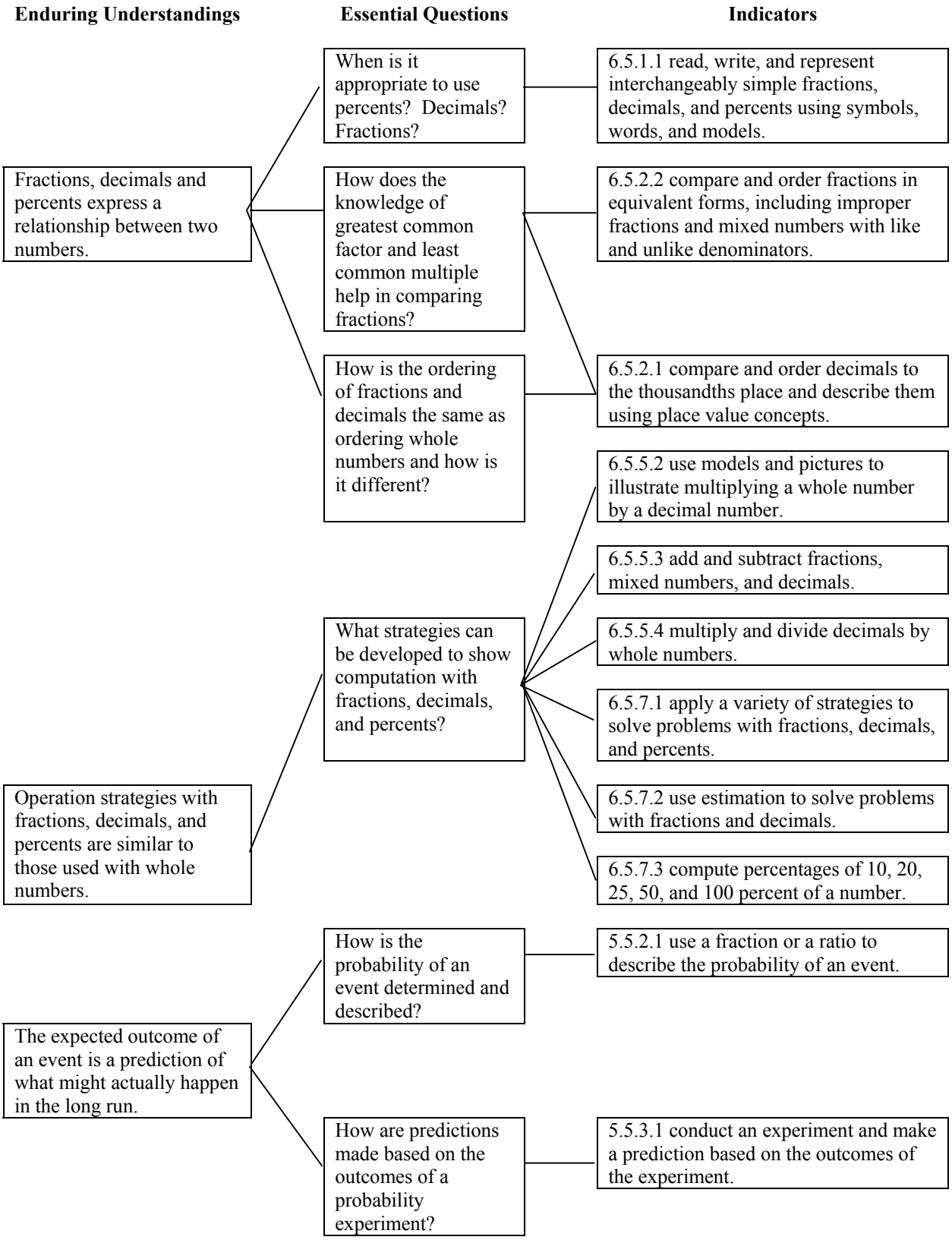

Enduring Understandings
Essential Questions
Indicators
Both common and decimal fractions can represent fractional parts.
How are numbers that represent fractional parts compared?
6.4.1.3 recognize and name equivalent fractions.
6.4.2.2 compare and order fractions, including improper fractions and mixed numbers with like denominators.
6.4.2.3 identify and compare decimals to the hundredths using numerals, pictures, and concrete objects.
How are common and decimal fractions alike and different?
6.4.7.2 identify and describe the relationship between fractions and decimals.
How are models used to show how fractional parts are combined or separated?
6.4.5.4 add and subtract fractional numbers with like denominators, explaining the process and recording the results.
6.4.5.5 use models and pictures to multiply a fraction by a whole number and a whole number by a fraction.
6.4.5.6 add, and subtract decimals (tenths and hundredths), explaining the process and recording the results.
What strategies can be used to solve estimation problems with common and decimal fractions?
6.4.7.1 use a variety of strategies to solve estimation problems with fractions and decimals.
Probability can be represented numerically and graphically.
How is probability represented numerically?
5.4.2.1 find the probability of an event with equally likely outcomes and express the probability as a fraction from 0 (impossible) up to and including 1 (certain).
How is the likelihood of an event determined and communicated?
5.4.1.1 manipulate concrete objects to determine possible combinations of the objects.
5.4.1.2 identify and represent all possible outcomes for a probability situation in an organized way (e.g., tables, grids, tree diagrams).


Enduring Understandings
Essential Questions
Indicators
Fractions, decimals and percents express a relationship between two numbers.
When is it appropriate to use percents? Decimals? Fractions?
How does the knowledge of greatest common factor and least common multiple help in comparing fractions?
How is the ordering of fractions and decimals the same as ordering whole numbers and how is it different?
6.5.1.1 read, write, and represent interchangeably simple fractions, decimals, and percents using symbols, words, and models.
6.5.2.2 compare and order fractions in equivalent forms, including improper fractions and mixed numbers with like and unlike denominators.
6.5.2.1 compare and order decimals to the thousandths place and describe them using place value concepts.
Operation strategies with fractions, decimals, and percents are similar to those used with whole numbers.
What strategies can be developed to show computation with fractions, decimals, and percents?
6.5.5.2 use models and pictures to illustrate multiplying a whole number by a decimal number.
6.5.5.3 add and subtract fractions, mixed numbers, and decimals.
6.5.5.4 multiply and divide decimals by whole numbers.
6.5.7.1 apply a variety of strategies to solve problems with fractions, decimals, and percents.
6.5.7.2 use estimation to solve problems with fractions and decimals.
6.5.7.3 compute percentages of 10, 20, 25, 50, and 100 percent of a number.
The expected outcome of an event is a prediction of what might actually happen in the long run.
How is the probability of an event determined and described?
How are predictions made based on the outcomes of a probability experiment?
5.5.2.1 use a fraction or a ratio to describe the probability of an event.
5.5.3.1 conduct an experiment and make a prediction based on the outcomes of the experiment.