

Florida Teacher Certification Examination
Elementary Education K–6
Sample Science and Mathematics Questions

1. Moderate Complexity

A science teacher is conducting a lesson with a set of cards depicting either a living or nonliving thing. The teacher asks students to place each card in the correct place on a T-chart. A student incorrectly places a card on the chart, and other students correct the error through discussion.

What scientific skill is the teacher trying to develop?

- A. observing
- B. predicting
- C. ✓ classifying
- D. inferring

2. High Complexity

A student consistently makes errors when adding decimals. Each digit is added correctly; however, the student does not place the decimal point in the proper place. On multiple-choice questions, the student always marks the distractor that lacks a decimal point.

Which skill would be most beneficial in helping the student understand the correct placement of the decimal point?

- A. ✓ estimating
- B. counting up
- C. regrouping
- D. reading algorithms

3. High Complexity

A student solves the following multiplication problems as indicated.

$$\begin{array}{r} 1) \quad \overset{3}{36} \\ \times \quad 5 \\ \hline 300 \end{array} \qquad \begin{array}{r} 2) \quad \overset{4}{47} \\ \times \quad 6 \\ \hline 482 \end{array} \qquad \begin{array}{r} 3) \quad \overset{3}{24} \\ \times \quad 8 \\ \hline 402 \end{array}$$

Which instructional activity would be the most appropriate to help the student?

- A. drilling multiplication facts
- B. practicing additional problems
- C. working problems on grid paper
- D. ✓ reteaching multiplication strategies