Mixed-Number Addition

Solve the number stories. Use a different strategy for each one.

① The art class had a box filled with balls of yarn. The students used $6\frac{2}{3}$ balls for a project. There are now $2\frac{2}{3}$ balls left in the box. How many balls of yarn did the art class start with?

    a. Fill in the whole box.
                                      b. Number model with unknown:

       | Whole |
       | | _____

    c. One way to solve a mixed-number addition problem:

    d. Answer (with unit): _____

② Mrs. Meyers is growing vines along the sides of her house. On the west side the vines are $2\frac{4}{10}$ meters tall. On the east side the vines are $5\frac{8}{10}$ meters taller than the ones on the west side. How tall are the vines on the east side?

    a. Fill in the whole box.
                                        b. Number model with unknown:

       | Whole |
       | | _____

    c. A different way to solve a mixed-number addition problem:

    d. Answer (with unit): _____

Add. Show your work.

③ $5\frac{2}{6} + 3\frac{1}{6} =$ _____

④ $1\frac{5}{8} + 2\frac{3}{8} =$ _____

⑤ $3\frac{3}{4} + 2\frac{3}{4} =$ _____

⑥ $3\frac{2}{5} + 1\frac{4}{5} + 2\frac{3}{5} =$ _____

Practice

⑦ $837 * 6 =$ _____

⑧ _____ $= 468 * 5$

⑨ _____ $= 364 * 3$

⑩ $56 * 70 =$ _____