

Commentary

Venus, XXIV

1. (Answers will vary.) The problem involves personal data, and the child is to add ten to their age.
2. (At least 12 facts to earn 2 stars) Others, besides the ones shown, are in the chart.



3. (13, 23) Students will likely notice that the numbers differ by five.
4. (5:45) Students might think of showing 4:15 on an analog (non-digital) clock, and then going around one full turn and another half turn, to increase the time by 1 1/2 hours. Or they might think of adding an hour first to the 4 in 4:15, then adding 30 minutes to the 15 in 4:15.
5. (turkey) The first clue eliminates 7, and the second clue eliminates 1. The third clue eliminates 5, and the last eliminates 2, 4, and 6. Therefore by process of elimination, the student should arrive at 3. It will help if students are taught to cross out things that they know can't be true.
6. (16, 36, 66, 76) The pattern involves counting by tens, whereas problem 3 involves counting by fives. Students can work backwards until they find all of the numbers.
7. (2 and 1/2) The concept of sharing equally is an important one for work with fractions. In this problem, students have a chance to show that they understand intuitively both equal sharing and what one half means.