Hands On: Model Equations

TAKS Objectives 1, 2
TEKS 5.3A, 5.6

Use number tiles to make equations for each problem. Then find the value of the blank card.

1. Omar bought a new football. He paid with a $10 bill and got back $3 change. How much did Omar pay for the football?

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2. A lighthouse is standing on top of a 165-foot cliff. The top of the lighthouse is 240 feet above the ocean. What is the height of the lighthouse?

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3. There are 142 passengers aboard a ferry. Thirty-eight of the passengers are sitting outside on the deck, twenty-four are in the lounge, and the rest are in the main cabin. How many passengers are in the main cabin?

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4. Matthew is the mail clerk in a large building. He began the day on the 7th floor and then went up 4 floors to deliver a letter. He then went down 5 floors to pick up a package, which he delivered to the 12th floor. How many floors did Matthew have to go up with the package?

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5. Corrine bought 2 new inner tubes for her bike tires. She gave the cashier $40 and received $16 change. How much did Corrine pay for each tire?

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6. Four runners are participating in an 18-mile relay race. The first three all run the same distance and the last runner runs 6 miles. How far does each of the first three runners run?

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