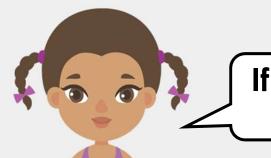
## Reasoning 1

Razia is finding possible values for h and i.

$$3h + 11i = 60$$



If *h* equals 9, *i* must equal 33.

Is Razia correct? Explain your answer.

## Reasoning 2

If a is an odd number and b is 50, which of these could be true?

A. 
$$2a + 3b = 156$$

B. 
$$a + a - 3b = 4$$

C. 
$$4a + 5b = 258$$

D. 
$$2a \div 3b = 2$$

Convince me.

## **Problem Solving 1**

Sweety Treaty sell 2 medium sweet boxes and 4 small sweet boxes for £36. What possible prices can you find for each sweet box?

$$2m + 4s = £36$$

