

4. To rent a banquet hall there is a fixed cost of \$2000 plus \$15 per hour.

a) Write an expression for the cost of the banquet hall.  $x$  - hours rented.

$$\text{Cost} = 2000 + 15x$$

$$\text{Cost} = 15x + 2000$$

b) How much does 3 hours cost?

$$\text{Cost} = 15x + 2000$$

$$= 15(3) + 2000$$

$$= 45 + 2000$$

$$= \$2045$$

c) What is the cost per hour if 3 hours are rented?

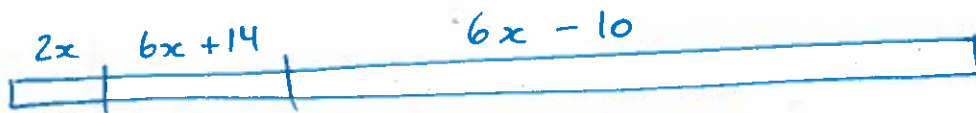
$$= \frac{\text{total cost}}{\text{total hrs}}$$

$$= \frac{2045}{3}$$

$$= \$681.67$$

5. The diagram is a piece of lumber.

6.



a) What is the expression for the total length of lumber.

$$2x + 6x + 14 + 6x - 10$$

b) What is the simplest form of the expression.

$$14x + 4$$

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