Name: MASNEL Key

1. Ryan's part time job pays him \$8/h. a) Create a table showing the relationship between hours worked (h), beginning at 0, and total wages (W). b) Write an equation comparing W to h. c) How much will Ryan earn after working 12 hours? d) How many hours must Ryan work to earn \$172?

a)	h	W
	0	0
	þ	G,
	а	16
	2)	24
		32
	Ġ	40
	6	44

p) M=	0-	+ 8	(h)
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- 2. Describe the following using an equation.
- a) An amusement park charges a \$3 entrance fee plus \$0.50/ride

b) The Perimeter of a square with side length x

c) The number of dots in each of the figures below

3. This table shows the details of a phone plan. With this pattern, a) Write an equation comparing C to T. b) what is the cost for 120 minutes of calls, and c) how many minutes can be purchased for \$75?

Time (min)	0	5 .:	10	15
Cost (\$)	15	17	19	21

a)
$$C = 15 + 3/5(T)$$

b) $C = 15 + 3/5(100)$
= $3/6$

c)
$$C = 15 + \frac{3}{5}(T)$$

 $-15 + \frac{3}{5} = 15 + \frac{3}{5}(T) + \frac{15}{5}$
 $\frac{60}{3/5} = \frac{3}{5}(T)$ $T = 150$