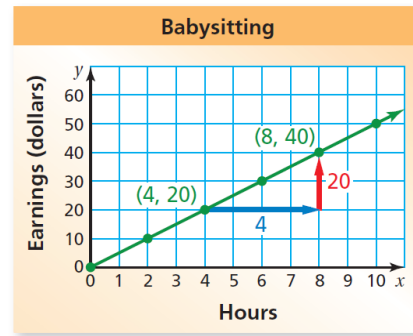REVIEW QUESTIONS FOR CHAPTER 5 TEST.

1. In ten weeks, Bozo gained eight pounds. What was his average rate of weight gain?

2. Give the unit rate and the equation.

3. Proportional or not? Prove it.

Servings	2	4	6	8
Calories	240	480	720	960

4. The equation $y = 4.8x$ gives the total cost for a group of x friends to skate at the ice rink. What tells us the price of each ticket?

5. Bozo can run 3 miles in 45 minutes or 5 miles in 75 minutes. Which proportion(s) can represent this situation?
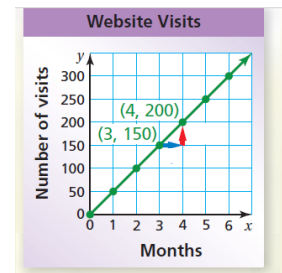
a $\dfrac{3}{45} = \dfrac{5}{75}$ c $\dfrac{3}{75} = \dfrac{5}{45}$

b $\dfrac{5}{3} = \dfrac{75}{45}$ d $\dfrac{3}{5} = \dfrac{45}{75}$

6. Bozo is skating along at 12 miles per hour. Write an equation (using x and y) that fits this situation. Be prepared to tell what x and y stand for.
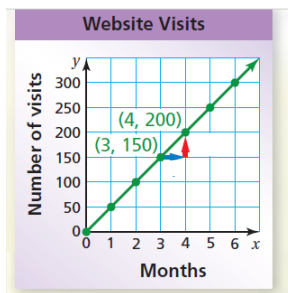

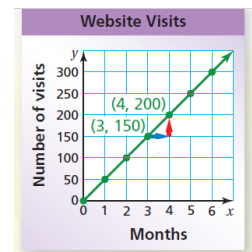**7.** Write an equation for this table.

x	0	1	2	3	4
y	3	6	9	12	15

---

8. Give the unit rate and the equation.

Website Visits

Number of visits / Months

(4, 200)
(3, 150)

---

9. How many visits would there be in 8 months?

Website Visits

Number of visits / Months

(4, 200)
(3, 150)

---

10. Which coordinate point shows the unit rate?

Website Visits

Number of visits / Months

(4, 200)
(3, 150)

ANSWERS

① 8÷10=0.8 lbs per wk.

② 20÷4=$5 per hour; y=5x

③ Yes. Same unit rate; when x doubles, y doubles.

④ $14.80 per Ticket. (4.8=k=unit rate)

⑤ a, b, and d

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⑥ y=12x. y=miles; x=hrs.

⑦ y=3x+3

⑧ 150÷3=50 visits per month; y=50x

⑨ 8×50=400 visits.

⑩ (1, 50)

Attachments

bike riders.doc

baby 25.jpeg

eqns to tables 2.doc

equations from tables 2 for SB.doc

equations from tables 3 for SB.doc

baby 30.jpeg

baby 31.jpeg

rdt expanded KW.doc

baby 32.jpeg

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