

PR1 PROBLEM BANK ANSWER KEY

LESSON 1

1. a. 45 cups of lemon tea

b.

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c. 20 cups of lemonade

d. 25 cups of iced tea

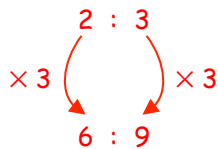
e.

Lemonade	0	4	8	12	16	20	24
Iced Tea	0	5	10	15	20	25	30
Total	0	9	18	27	36	45	54

2. a.

Women	0	2	4	6	8	10	12
Men	0	3	6	9	12	15	18
Total	0	5	10	15	20	25	30

b.



3. a. 11 bales of hay per month

b. 88 bales of hay

c. 396 bales of hay

d. 18 months

4. a.

L	R	R	R	R	R	R	R	R	R
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b. 7 people

5. a. 2.5 gallons of red paint

b. 10 gallons of white paint

c. Answers may vary. 5:3 or 5:4. To make a lighter shade of pink then you would need more white paint per red.

d. Answers may vary. 6:2 or 7:2. To make a redder shade of pink you need more red paint per white.

6. a.

C	D	D	D	D
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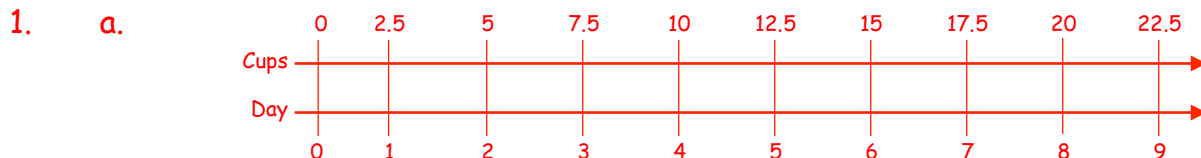
b. 9 cats and 26 dogs

7. a.

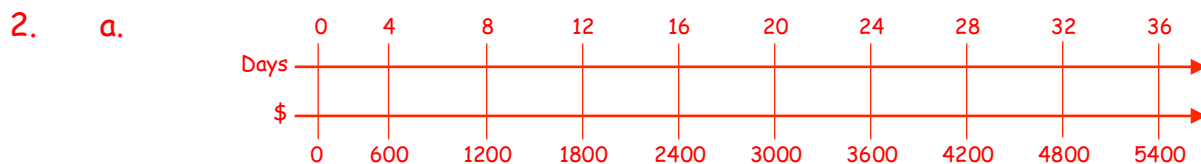
P	P	P	W	W	W	W
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 b. 21 cups c. 12 cups d. 32 cups
8. a. Answers may vary. Add 5 parts of orange drink to the punch bowl.

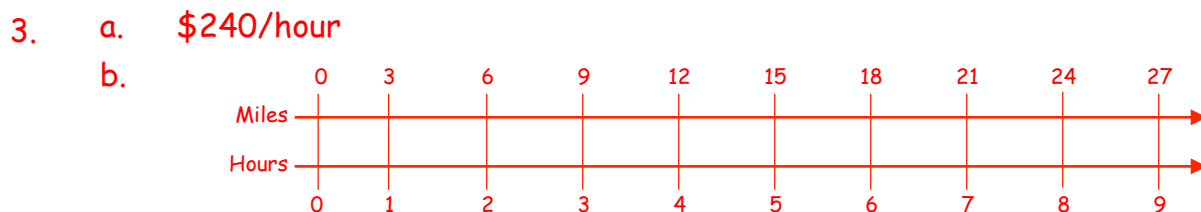
LESSON 2



- b. 35 cups
 c. No, they are not equivalent ratios. The ratios are 2:3, 4:5, and 1:1.
 d. He should buy the 20 pound bag.



- b. \$6,000



- c. 4 hours

4. a. 140 pounds of hay b. 2 horses
5. a. 1.8 pounds per week b. 12.6 pounds c. 12.5 weeks
6. a. \$8 per hour b. 36 hours c. \$96 d. \$1,152
7. a. 104 yards b. 17.5 seconds c. 1.6 yards per second
8. a. 1.5 boxes b. 20 weeks c. 0.75 boxes per week

LESSON 3

1. a. 4 : 3 b. 3 : 4 c. 3 : 7
d. 7 : 4 e. 8 more arrows. 3 : 4 is equivalent to 9 : 12

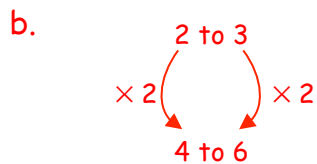
2. a. 4 : 9 b. There are 5 arrows to a total of 9 shapes.
c. 8 stars

3. Zeek earns \$5 every hour. Caleb earns \$0.20 every hour.

4. Change 30 to 35 and 72 to 70.

5. a.

Circles	0	2	4	6	8	10	12
Triangles	0	3	6	9	12	15	18
	0	5	10	15	20	25	30



6. a. 3 b. 7 c. $\frac{1}{8}$

7. a. 3 : 4 b. 6 bananas c. 6 : 8
d. You can use a multiplier of 2 to get from 3 : 4 to 6 : 8.

8. 14 weeks