

1. The ratio of width to height is 4 to 3. What is the width if the height is 18 inches? (13-1)

Width inches	4	8	12	16		
Height inches	3	6	9	12	15	18

- A 21 inches
B 23 inches
C 24 inches
D 26 inches
2. In one hour, 32 cars pass through a particular intersection. At the same rate, how long would it take for 96 cars to pass through the intersection? (13-2)
- A 2 hours
B 3 hours
C 8 hours
D 16 hours
3. Nick flew 1,560 miles in 3 hours on his airline flight. How far did Nick fly in 1 hour? Compute the unit rate. (13-2)
- A $\frac{780 \text{ miles}}{1 \text{ hour}}$ C $\frac{580 \text{ miles}}{1 \text{ hour}}$
B $\frac{760 \text{ miles}}{1 \text{ hour}}$ D $\frac{520 \text{ miles}}{1 \text{ hour}}$
4. A deli sells 44 soups for every 60 sandwiches. At this rate, how many soups will be sold for every 15 sandwiches? (13-4)
- A 9 soups
B 10 soups
C 11 soups
D 12 soups

5. Max has 4 baseball cards for every 3 football cards in his collection. If he has 72 baseball cards, how many football cards does Max have? (13-3)

- A 54 football cards
B 63 football cards
C 65 football cards
D 72 football cards

6. A shower uses 5 gallons of water each minute. Which of the following can be used to find x , the number of gallons of water used during an 8-minute shower? (13-2)

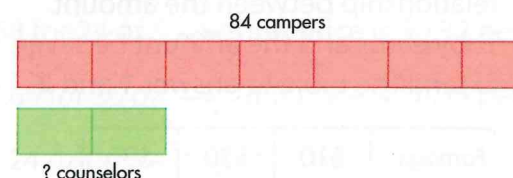
- A $\frac{5 \text{ gal}}{1 \text{ min}} = \frac{x \text{ gal}}{8 \text{ min}}$
B $\frac{5 \text{ gal}}{1 \text{ min}} = \frac{8 \text{ min}}{x \text{ gal}}$
C $\frac{5 \text{ gal}}{x \text{ min}} = \frac{1 \text{ gal}}{8 \text{ min}}$
D $\frac{5 \text{ gal}}{8 \text{ min}} = \frac{x \text{ gal}}{1 \text{ min}}$

7. Which number is missing from the table of equal ratios? (13-5)

5	10	25	40	65
4	8	20		52

- A 24
B 28
C 32
D 36

8. There are 7 campers for every 2 counselors at summer camp. How many counselors are there if there are 84 campers? (13-3)



- A 12 counselors
B 24 counselors
C 28 counselors
D 30 counselors

9. The table shows the relationship between gallons and quarts. What is the missing value in the table? (13-1)

Gallons	2	4	6		10
Quarts	8	16	24	32	40

- A 4
B 8
C 16
D 20

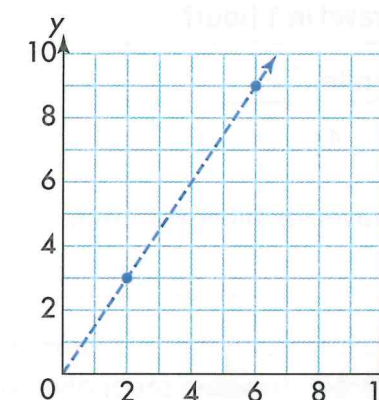
10. Claudio is fertilizing his lawn. Four pounds of fertilizer are to be applied to every 1,000 square feet of lawn. How many pounds should Claudio apply if his lawn is 8,750 square feet? (13-2)

- A 2.2 pounds
B 32 pounds
C 35 pounds
D 70 pounds

11. CDs are on sale at 4 for \$38. Which explains correctly how much 6 CDs cost? (13-4)

- A Divide \$38 by 4 to get a unit price of \$9.50. Then multiply 6 by \$9.50 to get \$63.
B Divide \$38 by 6 to get a unit price of \$6.33. Then multiply 4 by \$6.33 to get \$25.33.
C Divide \$38 by 4 to get a unit price of \$9.50. Then multiply 6 by \$9.50 to get \$57.
D Divide 4 by 6. Then multiply that quotient by \$38 to get \$25.

12. Which ratio could be graphed on the same dashed line as shown in the graph below? (13-5)



- A $\frac{1}{2}$
B $\frac{3}{8}$
C $\frac{2}{6}$
D $\frac{4}{6}$