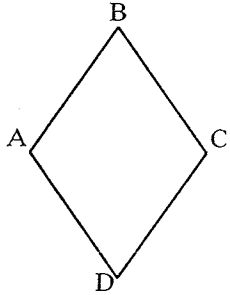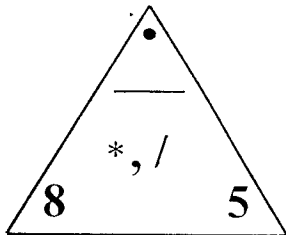Unit 3 Study Guide

Name_____

1. **Write the number 28,142 in word form.**

2. **Describe the figure. Be as specific as you can.**
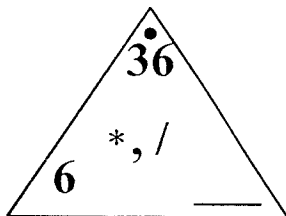
B

A   C

D

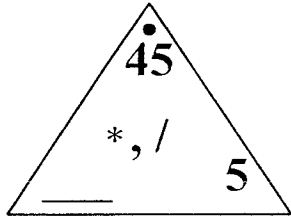Fill in the missing number in the Fact Triangle.

3.

*, /

8   5

4.

36

*, /

6

Unit 3 Study Guide

Name_____

Fill in the missing number in the Fact Triangle.

5.

```
        45
      *, /
   ____    5
```

Write "T" if the following is a true number sentence, "F" if it is false, or "?" if you can't tell.

6. $3 * 5 = 18$

7. $8 * 6$

8. $2 * 8$

9. $4 * 6 < 24$

10. $5 * (4 + 7) = 45$

11. $4 * 12 / 2 > 7 * 4$

Make a true sentence by filling in the missing number.

12. _____ $= (7 * 4) + 11$

13. _____ $= (14 - 9) * 4$

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Make a true sentence by filling in the missing number.

14. $(11-5)+(10/2)=$ _____

15. $(9/3)*(10/2)=$ _____

Make a true sentence by inserting parentheses.
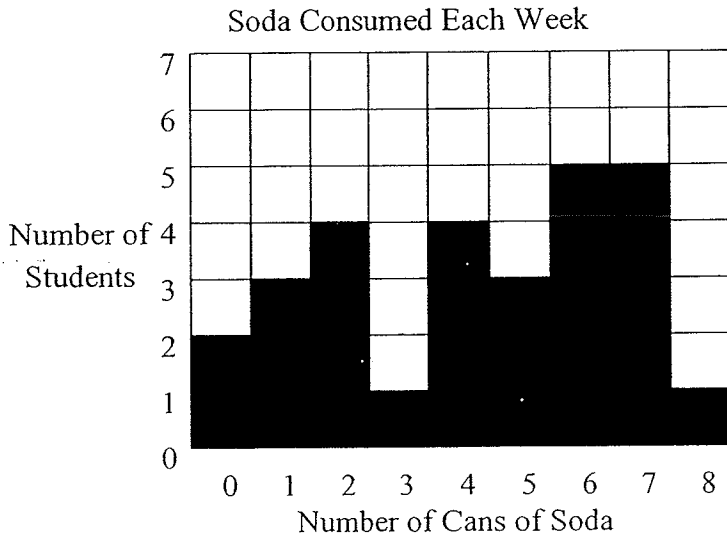
16. $30 \div 18 + 8 = 20$

17. $55 - 8 + 13 = 60$

18. $56 / 8 + 15 = 22$

19. $3 * 5 + 39 = 132$

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20. Keith asked his classmates to estimate the number of cans of soda they drink each week. He recorded the information on the bar graph below. Use Keith's bar graph to answer the following questions:

Soda Consumed Each Week

a. What is the range of the number of cans?
b. What is the mode of the number of cans?
c. What is the median of the number of cans?

21. The food sales records for one day at Tripoli Stadium showed that 2,627 turkey sandwiches were sold. A total of 4,151 sandwiches were sold that day. How many sandwiches sold that day were *not* turkey?

Answer: _____ sandwiches

Number model: _____

22. The temperature on July 23rd was 15°C warmer than it was on June 23rd in a city. If the temperature was 29°C on June 23rd, then what was the temperature in that city on July 23rd?

Answer: _____ °C

Number model: _____

Name_____

23. Find the rule and complete the table.

in	out
9	
2	4
4	8
8	
	14
6	

Rule

24. List all the factors of 12.

Find the solution of each open sentence.

25. $18 = 12 + x$

26. $4 * m = 28$

27. $x/9 = 2$

28. $z/7 = 7$

29. $16 - x = 2$

30. $2 * 6 = 40 - t$

Name_____

31. **Use the map and map scale to answer the following questions:**

Glasgow •

• Great Falls

Missoula
•

Montana

```
|—————|—————|—————|
0     100   200 mi
```

Billings •

Bozeman •

1 inch represents 200 miles

a. The distance between Missoula and Billings is about _____ inch(es) on the map. That is about _____ miles.

b. The distance between Glasgow and Bozeman is about _____ inch(es) on the map. That is about _____ miles.

32. **Complete the Venn diagram. Use at least 10 numbers.**

Multiples of   Multiples of
         3   5