Multiplication and Division Expressions

Find a rule and write an expression using multiplication and division.

To find a rule and write an expression, look at the numbers being compared. Which is the greater number?

Consider 3 and 24. Because 24 is greater than 3, you can rule out subtraction and division.

Find how much greater 24 is than 3. Since 24 is 8 times 3, the rule must involve multiplication.

Look at the other two columns of numbers and compare them. The bottom number is 8 times as great as the top number.

A rule is multiply by 8, so the expression is $8 \times b$.

Find a rule for each table.

1. $a \quad 48 \quad 56 \quad 64 \quad 72$
   $\quad 6 \quad 7 \quad 8 \quad 9$

2. $u \quad 8 \quad 11 \quad 13 \quad 16$
   $\quad 32 \quad 44 \quad 52 \quad 64$

Find a rule and write the missing number for each table.

3. $j \quad 18 \quad 14 \quad 12 \quad 8$
   $\quad 9 \quad 7 \quad 4$

4. $e \quad 2 \quad 4 \quad 6 \quad 7$
   $\quad 6 \quad 12 \quad 18$

5. $p \quad 4 \quad 6 \quad 10 \quad 17$
   $\quad 20 \quad 50 \quad 85$

6. $q \quad 48 \quad 42 \quad 30 \quad 24$
   $\quad 8 \quad 5 \quad 4$