

Determining the greatest common factor

What is the **greatest common factor** of 8 and 12?

The factors of 8 are 1, 8, 2, and 4. The factors of 12 are 1, 12, 2, 6, 3 and 4.

2 and 4 are both factors of 8 and 12, but 4 is the larger of the two common factors.

What is the greatest common factor of 6 and 12?

The factors of 6 are 1, 6, 2, and 3. The factors of 12 are 1, 12, 2, 6, 3 and 4.

2, 3, and 6 are all common factors to 6 and 12, but 6 is the greatest of the common factors.

What is the greatest common factor of

- ① 6 and 8? 2
 6: 1, 6, 2, 3
 8: 1, 8, 2, 4

- ② 8 and 18? _____

- ③ _____ and ? _____

- ④ _____ and ? _____

What is the greatest common factor of 8 and 16? _____

1 14

4 and 10? _____ 12 and 16? _____

A 14,719

$$\begin{array}{r} 4,634 \\ 5,295 \\ 824 \\ + 1,367 \\ \hline \end{array} \qquad \begin{array}{r} 3,000 \\ - 1,001 \\ \hline \end{array}$$

6 meters = _____ centimeters

B $8\frac{5}{6}$

$$3\frac{2}{6} + 1 =$$

$$2\frac{4}{6} - \frac{3}{6} =$$

$$\frac{2}{6} + 2 =$$

C 198

Roma and Ida have 7 scarves. Ida has one more than Roma. How many scarves does Roma have?

Today is Friday, June 15. Last Friday was June _____.

_____ 3 hours 7 minutes = _____ minutes

D 105

Kathy divided 24 toys equally among 8 boys. How many toys did each boy get?

Homer bought 3 dozen bagels. How many bagels did he buy?

_____ 5 ft 6 in = _____ in