

Greatest Common Factor**Find the greatest common factor?**

1) **100 , 22 =**

2) **26 , 14 =**

3) **92 , 68 =**

4) **4 , 12 =**

5) **82 , 66 =**

6) **88 , 92 =**

7) **16 , 80 =**

Greatest Common Factor: Solutions

1) **100 , 22** $100 = 2 \times 2 \times 5 \times 5$
 $22 = 2 \times 11$
GCF (100, 22) = 2

2) **26 , 14** $26 = 2 \times 13$
 $14 = 2 \times 7$
GCF (26, 14) = 2

3) **92 , 68** $92 = 2 \times 2 \times 23$
 $68 = 2 \times 2 \times 17$
GCF (92, 68) = 4

4) **4 , 12** $4 = 2 \times 2$
 $12 = 2 \times 2 \times 3$
GCF (4, 12) = 4

5) **82 , 66** $82 = 2 \times 41$
 $66 = 2 \times 3 \times 11$
GCF (82, 66) = 2

6) **88 , 92** $88 = 2 \times 2 \times 2 \times 11$
 $92 = 2 \times 2 \times 23$
GCF (88, 92) = 4

7) **16 , 80** $16 = 2 \times 2 \times 2 \times 2$
 $80 = 2 \times 2 \times 2 \times 2 \times 5$
GCF (16, 80) = 16