

Name: _____ Date: _____

Highest Common Factor (HCF)

Q1. Find HCF of 540 and 744.

Sol. _____

Q2. Find the largest number which divides 252 and 342.

Sol. _____

Q3. What is the HCF of an even number and an odd number?

Sol. _____

Q4. How many factors does a prime number have?

Sol. _____

Q5. What is the HCF of numerator and denominator of a fraction if it is in its simplest form?

Sol. _____

Q6. What is the HCF of two consecutive even numbers?

Sol. _____

Highest Common Factor (HCF)

Q1. Find HCF of 540 and 744.

Sol.

2	540, 744
2	270, 372
3	135, 186
	45, 62

$$\text{HCF} = 2 \times 2 \times 3 = 12$$

Q2. Find the largest number which divides 252 and 342.

Sol.

2	252, 342
3	126, 171
3	42, 57
	14, 19

$$\text{HCF} = 2 \times 3 \times 3 = 18$$

Q3. What is the HCF of an even number and an odd number?

Sol. 1

Q4. How many factors does a prime number have?

Sol. 2

Q5. What is the HCF of numerator and denominator of a fraction if it is in its simplest form?

Sol. 1

Q6. What is the HCF of two consecutive even numbers?

Sol. 2