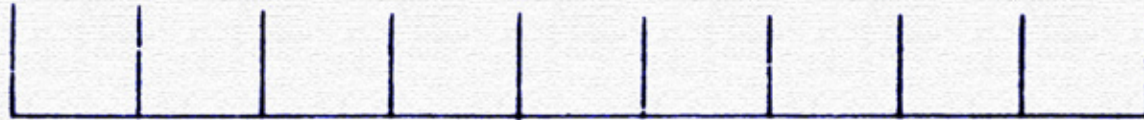


# Equivalent Exposure Notes

## APERTURE

Shallow ← Depth of Field → Greater  
 LARGER ← OPENING → SMALLER  
 INCREASES ← EXPOSURE → DECREASES  
 (DOUBLES) (HALVES)

F/1.4 F/2 F/2.8 F/4 F/5.6 F/8 F/11 F/16 F/22 F/32



1/1000 1/500 1/250 1/125 1/60 1/30 1/15 1/8 1/4 1/2 1 sec. 2 sec.

DECREASES (HALVES) ← EXPOSURE → INCREASES (DOUBLES)  
 FASTER ← TIME → SLOWER  
 Stop ← Motion → Panning/Blur

## SHUTTER SPEED

Memorize your shutter speed scale and f/stop scale!

The scales below represent the standard full stop scale that we will start with. Shutter speeds actually go up to 1/10,000 of a second and can be many seconds, minutes and even hours long. F/stops can go down to f/256 on large view cameras but again...this is the basic full stop scale. Your camera may show you 1/2 or 1/3 stops which are the numbers between these full stops. Let's learn this first.

Shutter Speed Scale: 1/1000 1/500 1/250 1/125 1/60 1/30 1/15 1/8 1/4 1/2 1 sec  
 Aperture or F/stop Scale: f/1.4 f/2 f/2.8 f/4 f/5.6 f/8 f/11 f/16 f/22 f/32