3 COMPONENTS OF EXPOSURE

APERTURE OR F-STOPS
2.8 4 5.6 8 11 16 22

<- MORE EXPOSURE LESS EXPOSURE ->
OPENING UP CLOSING DOWN

HOW MUCH LESS EXPOSURE IS F8 TO F11? – HALF THE EXPOSURE
HOW MUCH MORE EXPOSURE IS F 5.6 TO F4 – DOUBLE THE EXPOSURE
HOW MUCH MORE EXPOSURE IS F16 TO F8 – 4X THE EXPOSURE

DEPTH OF FIELD – How much is in focus from foreground to background

<- OPENING UP (wider apertures) (narrower apertures) CLOSING DOWN ->
LESS DOF MORE DOF

SHUTTER SPEEDS
15 30 60 125 250 500 1000
SLOWER FASTER
MORE EXPOSURE LESS EXPOSURE
SHOW MOTION BLUR FREEZ MOTION

<u>125 @ F11 METER EXPOSURE</u>
250 @ F8 LESS DOF – FREEZE MOTION
500 @ F5.6 EVEN LESS DOF – EVEN MORE FROZEN MOTION
30 @ F22 MORE DOF – SHOWS MORE MOTION BLUR

ISO
100 200 400 800 1600 3200 6400

When you increase ISO you also increase power to the sensor which can result in more NOISE.