

LENS BASICS QUIZ – NIKON

1. If you want a crop sensor lens, should you buy FX or DX lenses?
A. FX B. DX
2. AF lenses do not have focus motors built into the lens.
A. True B. False
3. If you use a DX lens some of the image will be “cropped” or cut off.
A. True B. False
4. The focal length is measured in...
A. f/ numbers B. millimeters
5. The focal length can be one set length, like 50mm, this is called a “prime” lens.
A. True B. False
6. Focal lengths can also be “zoom” lenses which offer a range of focal lengths, like 18-55mm.
A. True B. False
7. You can choose any focal length and it will work well for all types of photography.
A. True B. False
8. Smaller focal lengths, like 24mm, have wider angles of view than longer focal lengths like 200mm.
A. True B. False
9. The aperture numbers in a lens description tell you the maximum aperture for that lens.
A. True B. False
10. You have a lens with a maximum aperture of f/2. You want to upgrade to a lens that has a wider maximum aperture. You should get the...
A. f/4 B. f/1.4
11. Aperture is noted as f/ and then a number, or as a ratio like 1: 1.8.
A. True B. False
12. Zoom lenses often have a range of apertures. These numbers, for example on an 18-55mm f/3.5-5.6, mean that at the smallest focal length (18mm) the widest aperture is 3.5. What would be the widest aperture at 55mm?
A. f/4 B. f/5.6



See page two for answers and additional information.

ANSWER KEY: 1. B, 2. A, 3. A, 4. B, 5. A, 6. A, 7. B, 8. A, 9. A, 10. B, 11. A, 12. B

If you struggled with questions 1 – 3

DX vs. FX from NikonUSA (Explainer Video): <https://youtu.be/OVGspPy11BQ>

Nikon – DX vs. FX Lenses (Article with images): <https://www.nikonusa.com/en/learn-and-explore/a/products-and-innovation/the-dx-and-fx-formats.html>

Nikon – Which Type Lens for Your Camera? (Article with images): <https://www.nikonusa.com/en/learn-and-explore/a/tips-and-techniques/which-nikkor-lens-type-is-right-for-your-dslr.html>

Nikon Compatibility Charts:

https://www.nikonimgsupport.com/eu/BV_article?articleNo=000005532&configured=1&lang=en_GB

Crop Factor Cheat Sheet: https://focusedcamera.weebly.com/uploads/1/2/7/7/127775132/crop_factor.jpg

If you struggled with questions 4 – 8

Focused on Focal Lengths Blog (Explainer): <https://focusedcamera.weebly.com/blog/focused-on-focal-lengths>

Nikon – Understanding DSLR Focal Lengths (Article and video): <https://www.nikonusa.com/en/learn-and-explore/a/tips-and-techniques/understanding-focal-length.html>

Focal Length Cheat Sheet:

https://focusedcamera.weebly.com/uploads/1/2/7/7/127775132/angle_of_view_version_2.jpg

If you struggled with questions 9 – 12

Aperture Basics (Explainer Video): <https://youtu.be/34ReeL-MBXk> (it's actually a Canon video but very easy to follow along and 100% applies to Nikon lenses – or any lens manufacturer)

Depth of Field Blog (Explainer): <https://focusedcamera.weebly.com/blog/depth-of-field>

Aperture Lesson (Hands-on):

https://focusedcamera.weebly.com/uploads/1/2/7/7/127775132/aperture_lesson_copyright_2021.pdf

Additional Cheat Sheets

Exposure Triangle Cheat Sheet with “Sliders” (print then cut along long scale lines – insert paper clips to use as sliders): https://focusedcamera.weebly.com/uploads/1/2/7/7/127775132/exposure_triangle.jpg

Basic Lens Markings Cheat Sheet:

https://focusedcamera.weebly.com/uploads/1/2/7/7/127775132/basic_lens_markings.jpg

Coaching Info

Sometimes we all need a little extra help, and we are here to help you! Photography Coaching is not a one-size-fits-all class, it is one-on-one personalized instruction. It's like having a Photography Tutor! There are different levels of coaching and instruction available, with prices that start at \$5 a month. Check it out here:

<https://focusedcamera.weebly.com/coaching-services.html>