

**9th & 10th grades ~ Grade Level Focus Worksheet**

| = major (**about** 70%) = supporting (**about** 20%) = additional (**about** 10%)  |
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| **Conceptual Category/Domain/Cluster** | **%** | **Days** | **Lessons** |
| N.RN.AUse properties of rational numbers and irrational numbers. |  |  |  |
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| N.Q.AReason quantitatively and use units to solve problems. | **all** |  |  |
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| A.SSE.AInterpret the structure of expressions. | **all** |  |  |
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| A.SSE.BWrite expressions in equivalent forms to solve problems. |  |  |  |
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| A.APR.APerform arithmetic operations on polynomials. |  |  |  |
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| A.APR.BUse polynomial identities to solve problems. |  |  |  |
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| A.CED.ACreate equations that describe numbers or relationships. | **all** |  |  |
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| A.REI.AUnderstand solving equations as a process of reasoning and explain the reasoning. | **all** |  |  |
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| A.REI.BSolve equations and inequalities in one variable. |  |  |  |
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| A.REI.CSolve systems of equations. |  |  |  |
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| A.REI.DRepresent and solve equations and inequalities graphically. |  |  |  |
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| F.IF.AUnderstand the concept of a function and use function notation. |  |  |  |
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| F.IF.BInterpret functions that arise in applications in terms of the context. |  |  |  |
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| F.IF.CAnalyze functions using different representations. |  |  |  |
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| F.BF.ABuild a function that models a relationship between two quantities. |  |  |  |
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| F.BF.BBuild new functions from existing functions. |  |  |  |
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| G.CO.AExperiment with transformations in the plane. |  |  |  |
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| G.CO.BUnderstand congruence in terms of rigid motions. |  |  |  |
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| G.CO.CConstruct arguments about geometric theorems using rigid transformations and/or logic. |  |  |  |
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| G.CO.DMake geometric constructions. |  |  |  |
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| G.SRT.AUnderstand similarity in terms of similarity transformations. |  |  |  |
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| G.SRT.BConstruct arguments about theorems involving similarity. |  |  |  |
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| G. SRT.CDefine trigonometric ratios and solve problems involving right triangles. |  |  |  |
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| G.C.AUnderstand and apply theorems about circles. |  |  |  |
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| G.GPE.ATranslate between the geometric description and the equation for a conic section. |  |  |  |
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| G.GPE.BUse coordinates to prove simple geometric theorems algebraically. |  |  |  |
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| G.MG.AApply geometric concepts in modeling situations. |  |  |  |
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| S.ID.ASummarize, represent, and interpret data on a single count or measurement variable. |  |  |  |
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| S.ID.BSummarize, represent, and interpret data on two categorical and quantitative variables. |  |  |  |
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| S.ID.CInterpret linear models. |  |  |  |
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| Current percentages & days  | Target percentages and days Green 70% Blue 20% Orange 10%  |