

**CUMBERLAND COUNTY SCHOOL DISTRICT
BENCHMARK ASSESSMENT CURRICULUM PACING GUIDE**

School: CCHS	Subject: College and Career Readiness Mathematics	Grade: 12th
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Benchmark Assessment 1

Instructional Timeline: 1st Nine Weeks

Topic(s): Number Quantity, Time, Money

KCAS Standards	Learning Target (I Can Statement)	Key Vocabulary
<p>ACT Work Keys Applied Mathematics Assessment Skills</p> <ul style="list-style-type: none"> Quantity: Employees often need to determine the number of items sold, purchased, or produced, or to figure totals on a per unit basis Money: Working with monetary units is a central part of business and relates to virtually every job, if in no other way than to understand a paycheck. Tasks involving monetary units include figuring sales, costs, wages, and expenses. Time: Some tasks involve figuring elapsed time. Other problems are also frequently figured in terms of time (e.g., production, sales, costs, distance, area). In many of these tasks employees must be familiar with conversion of time units. 	<ol style="list-style-type: none"> I can use number quantities to solve real world problems in the work force. I can use monetary units as it relates to all parts of the work force. I can convert units of time as it relates to real world applications. 	<p>Quantity Purchased Sold Total Monetary Costs Wages Expenses Production Sales Distance Area</p>

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Benchmark Assessment 2

Instructional Timeline: 2nd Nine Weeks

Topic(s): Measurement, Proportions & Percentages, Averages

KCAS Standards	Learning Target (I Can Statement)	Key Vocabulary
<p>ACT Work Keys Applied Mathematics Assessment Skills</p> <ul style="list-style-type: none"> Measurement: Calculating distance, area, weight, and volume is crucial to most work situations. Again, employees must be familiar with conversions, as well as the appropriate degree of accuracy needed for different situations. Proportions & Percentages: Proportions can be used in many tasks that require making predictions (e.g., if this is the amount for X units, how much is needed for Y units). Percentages are used in the workplace to calculate commissions, discounts, taxes, price increases, changes in sales, and wage changes. Averages: Many records in the workplace are expressed in terms of averages (e.g., those involving sales records, wages, cost, hours worked). 	<ol style="list-style-type: none"> I can calculate distance, area, weight and volume with accuracy. I can use proportions to make predictions about workplace applications. I can use percentages to calculate commission, discounts, taxes, price increase, change in sales, and change in wages. I can use averages as it relates to workforce applications. 	<p>Distance Area Weight Volume Accuracy Proportions Predictions Percentages Commission Discount Taxes Price increase Change in sales Change in wages Averages</p>

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Benchmark Assessment 3

Instructional Timeline: 3rd Nine Weeks

Topic(s):

KCAS Standards	Learning Target (I Can Statement)	Key Vocabulary
<p>ACT Work Keys Locating Information Assessment Skills</p> <ul style="list-style-type: none"> Locating Information from work place graphics Compare, summarize, and analyze information found in related graphics Locate, Synthesize, and use information from workplace graphics such as charts, graphs, tables, forms, flowcharts, diagrams, floor plans, maps and instrument gauges required in today's workforce 	<ol style="list-style-type: none"> I can locate information from workplace graphics. I can compare, summarize, and analyze information found in related workplace graphics. I can locate, synthesize, and use information such as charts, graphs, tables, forms, flowcharts, diagrams, floor plans, maps and instrument gauges found in the workplace 	<p>Locating Information Workplace Graphics</p> <p>Compare Summarize Analyze Synthesize Charts Graphs Tables Forms Flowcharts Diagrams Floor plans Maps Instrument gauges</p>

