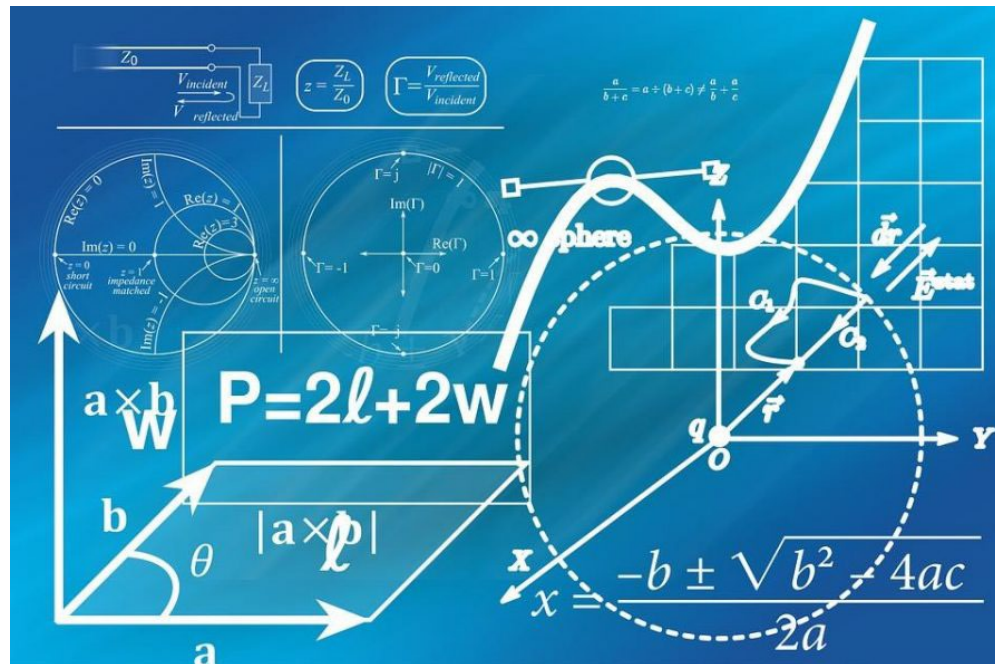


Flowcharts & Storyboards

CSC 101: Comparison Shopping



Prepared for EME6613 Instructional Systems Design

PREPARED BY GROUP 2
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FLOWCHART

The flowchart below outlines the instruction for the course CSC 101: Comparison Shopping Module 5: Calculating the difference between costs from each retailer.

FIGURE 1: FLOWCHART OF INSTRUCTIONAL UNIT

The figure below depicts the basic structure and sequence of Module 5: Calculating the difference between costs from each retailer.

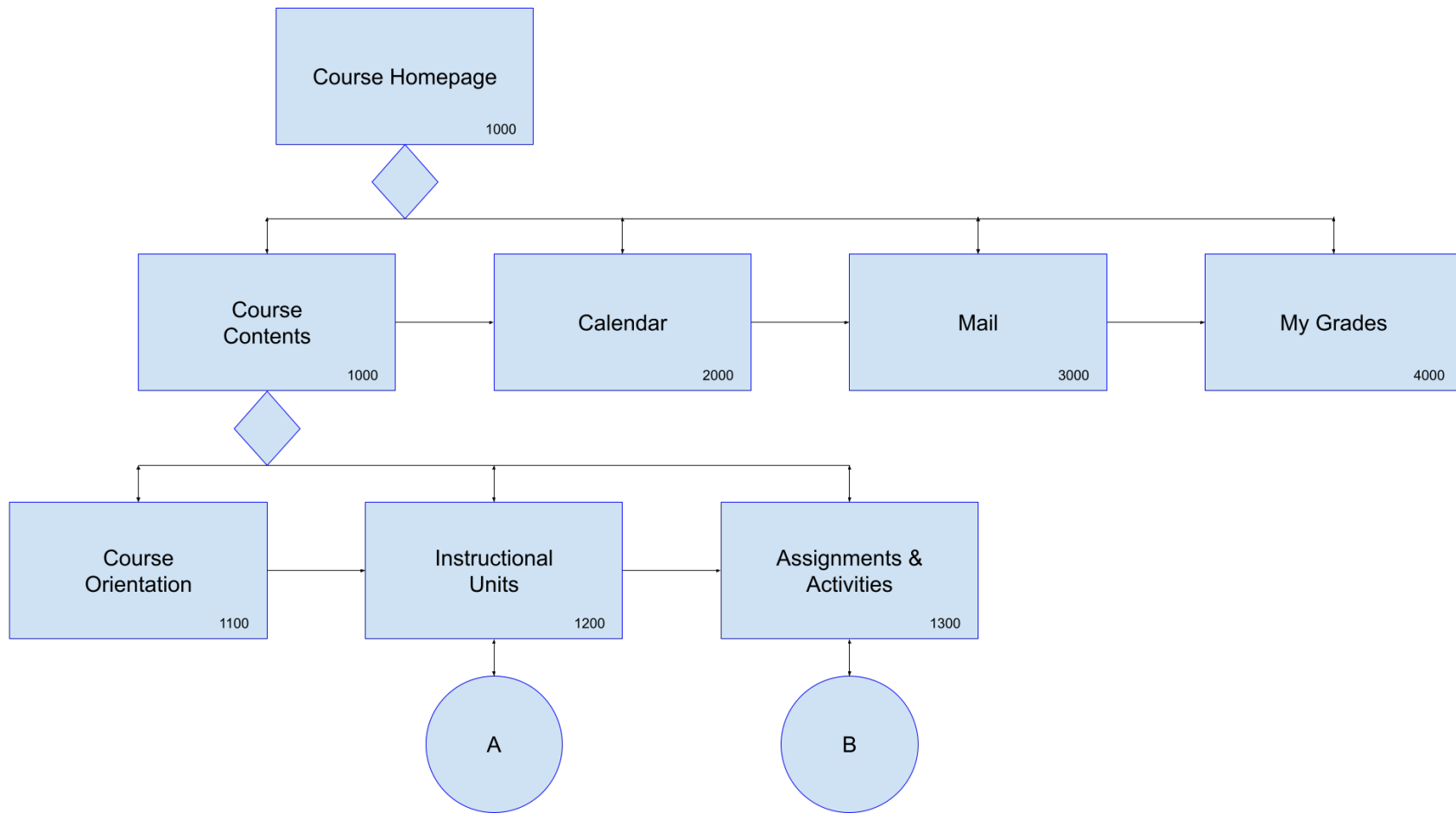


FIGURE 2: INSTRUCTIONAL UNITS

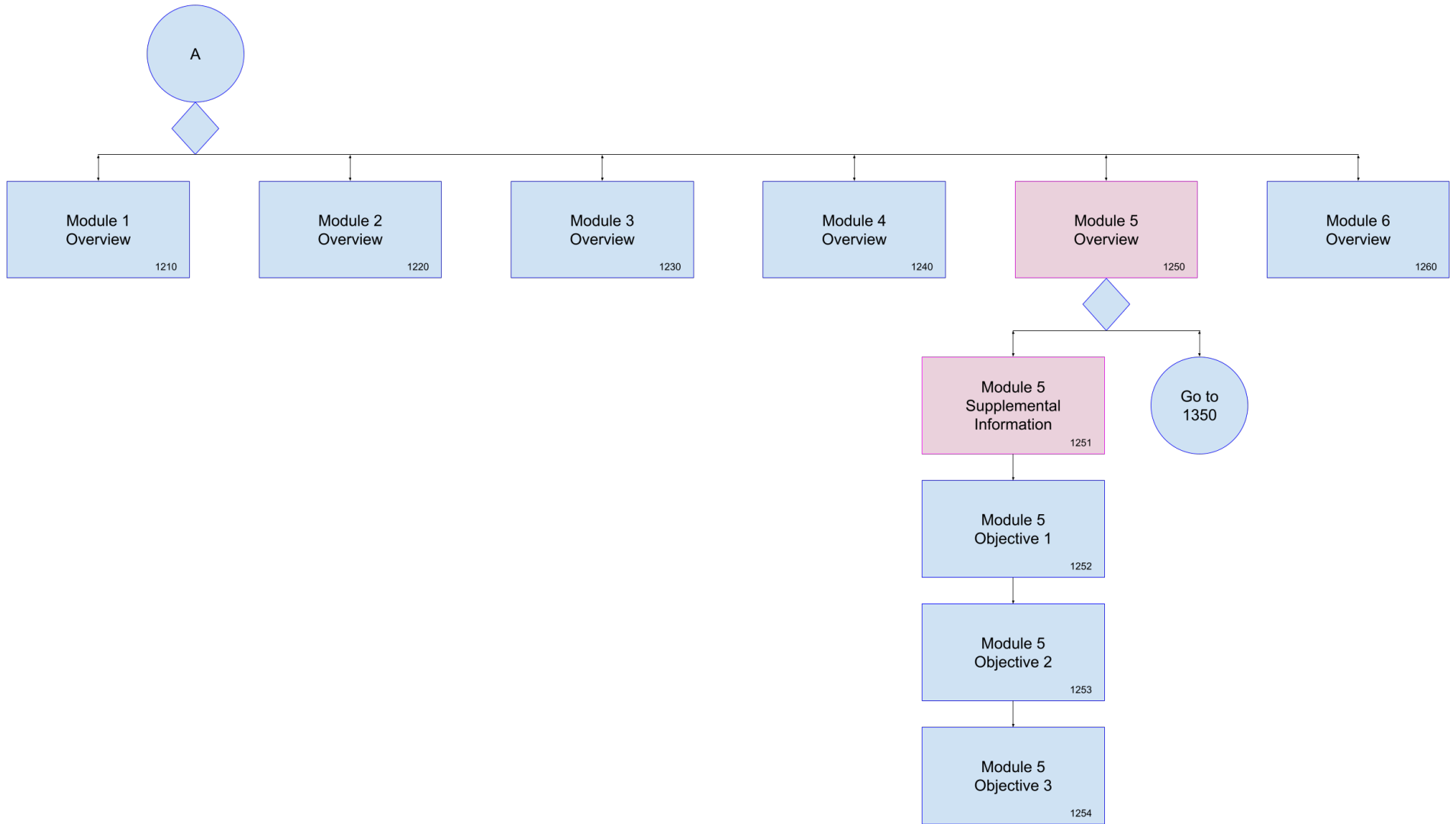
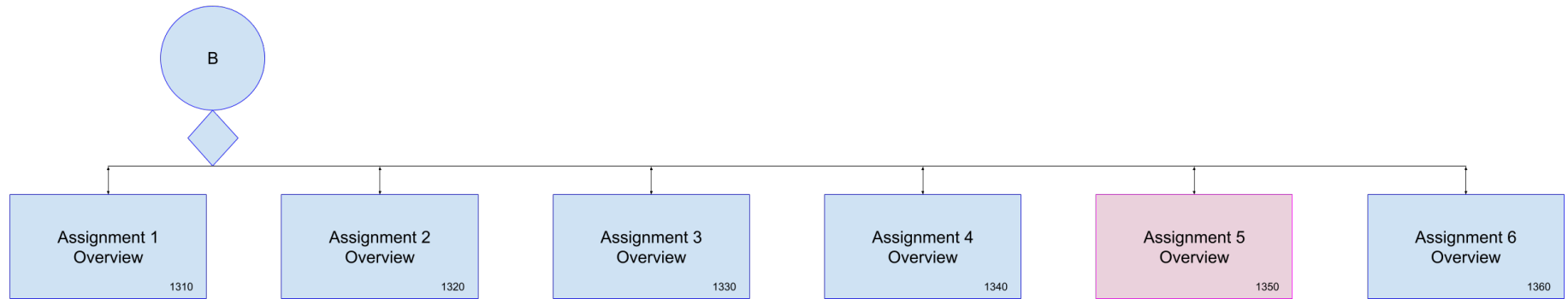


FIGURE 3: ASSIGNMENTS AND ACTIVITIES



STORYBOARDS

Each of the storyboards below represents one box from the flowchart above (Figure 1) and corresponds to a section of the module in Webcourses. The storyboards depict content for Introduction and Module Objectives, Module Quiz and, finally, Module Assessment. Each storyboard contains important details for development, such as text/scripting, screen descriptions, links, developer notes, and in the case of videos, frame images.

INTRODUCTION AND MODULE STORYBOARD

Project Title: CSC 101: Comparison Shopping Page: 1 of 1 Lesson Title: Introduction and Objectives Date: 04/05.2023 File Name: 5.0 Introduction & Module Objectives Frame #: 1250		[Unit Title Header] 5.0 Introduction & Module Objectives [Subheading] Introduction Retailers are more desperate than ever to make a sale and drive people to purchase what they're selling. But when you are out shopping, how often are you unsure if you are getting the best price for what you want to purchase? Do you know how to evaluate different discounts to make sure you're getting the best bang for your buck? Knowing how to properly comparison shop offers many benefits to you as a consumer. As an adult, the rising cost of goods and services can be stressful, but knowing how to comparison shop allows you to make smart, educated purchases. It also allows you to make sure that retailers are giving you a fair price for the goods you are purchasing. With this knowledge, you'll be able to determine how much an item will cost you at one retailer versus another, figure out what your cost savings will be with various discounts, and you'll be able to compare the cost of goods by unit, so you can be sure that you're getting the most product for the money you are willing to spend. Comparison Shopping 101 is intended to help you with this. As current consumers, this module was created for you to use your existing mathematical knowledge, and to apply that in a way that will ensure you are being given a good deal on any good you decide to purchase, whether it be a new TV, a laptop, or even groceries at the grocery store. When you know how to properly comparison shop, you become a more empowered and confident buyer, and you'll be able to utilize this knowledge in any buying situation going forward. [Subheading] Objectives [Body] After completing this module, you will be able to: <ul style="list-style-type: none">• In a shopping scenario, utilize mental math or a cell phone calculator to compute the difference between costs from various retailers with an accuracy of 90% or above.• In a practice test, utilize mental math or a cell phone calculator to compute price discounts with accuracy rate of 90% or above.• Demonstrate understanding of calculating the total cost of a product by unit(s)with an accuracy rate of 90% or above.
Links	Screen Description: Thought-provoking questions to get learners attention and highlight how instruction will be relevant to their lives. Additionally, the modules terminal and enabling objectives are listed.	
Links From Screen: 1000 Links To Screens: 1251		
<h1>5.0 Introduction & Module Objectives</h1> <h2>Introduction</h2> <p>Retailers are more desperate than ever to make a sale, and drive people to purchase what they're selling. But when you are out shopping, how often are you unsure if you are getting the best price for what you want to purchase? Do you know how to evaluate different discounts to make sure you're getting the best bang for your buck?</p> <p>Knowing how to properly comparison shop offers many benefits to you as a consumer. As an adult, the rising cost of goods and services can be stressful, but knowing how to comparison shop allows you to make smart, educated purchases. It also allows you to make sure that retailers are giving you a fair price for the goods you are purchasing. With this knowledge, you'll be able to determine how much an item will cost you at one retailer versus another, figure out what your cost savings will be with various discounts, and you'll be able to compare the cost of goods by unit, so you can be sure that you're getting the most product for the money you are willing to spend.</p> <p>Comparison Shopping 101 is intended to help you with this. As current consumers, this module was created for you to use your existing mathematical knowledge, and to apply that in a way that will ensure you are being given a good deal on any good you decide to purchase, whether it be a new TV, a laptop, or even groceries at the grocery store. When you know how to properly comparison shop, you become a more empowered and confident buyer, and you'll be able to utilize this knowledge in any buying situation going forward.</p> <h2>Objectives</h2> <p>After completing this module, you will be able to:</p> <ul style="list-style-type: none">• In a shopping scenario, utilize mental math or a cell phone calculator to compute the difference between costs from various retailers with an accuracy of 90% or above.• In a practice test, utilize mental math or a cell phone calculator to compute price discounts with accuracy rate of 90% or above.• Demonstrate understanding of calculating the total cost of a product by unit(s)with an accuracy rate of 90% or above.		
Background: Webcourses default background Color Scheme: Webcourses default color scheme Text Attributes: Webcourses default text Unit Title Heading – Heading 2 Subheading – Heading 3	Audio: n/a Video: n/a Animated Gifs: n/a Graphic Still: n/a	
Developer's Notes: n/a		

MODULE 5.0 SUPPLEMENTAL INFORMATION STORYBOARD

Project Title: CSC 101: Comparison Shopping
 Page: 1 of 3
 Lesson Title: Essential Question
 Date: 04/05.2023
 File Name: 5.0 Supplemental Information Storyboard
 Frame #: 1251

Links

Links From Screen: 1251
 Links To Screens: 1252

Screen Description:

Video starts and rolls into a presentation then another video and a final presentation with links.

Module 5.0 Supplemental Information



Background: Webcourses default background
 Color Scheme: Webcourses default color scheme
 Text Attributes: Webcourses default text
 Unit Title Heading – Heading 2
 Subheading – Heading 3

Audio: PowerPoint Presentation
 Video: YouTube Video and PowerPoint Presentation
 Animated Gifs: n/a
 Graphic Still: n/a

Developer's Notes: n/a

[Unit Title Header]
 The Math of Comparison Shopping

[Subheading]
 Calculating Percentages, Division, Decimals, and Measurements

[Body]
 Getting a great deal when shopping feels good! Alternatively, we often feel a bit demoralized when we believe we may have overpaid for an item. Shopping can be an emotional adventure, so it is important to equip yourself with the knowledge and skills required to get a great deal every time you shop!

This lesson begins with a video and asks participants to explore the essential question, "Describe a time when you had to make a difficult choice in purchasing a product when with limited funds."

Embed the YouTube Video here: "Comparison Shopping"
<https://youtu.be/scGaozhLbSs>

After the video, insert the H5P Presentation, "Math for the Comparison Shopper."

Next, insert the PowerPoint Presentation, "The finer points of Comparison Shopping" which includes interactive links to H5P Media to support the math instruction students need for success in this module.

ASSIGNMENT 5 OVERVIEW STORYBOARD

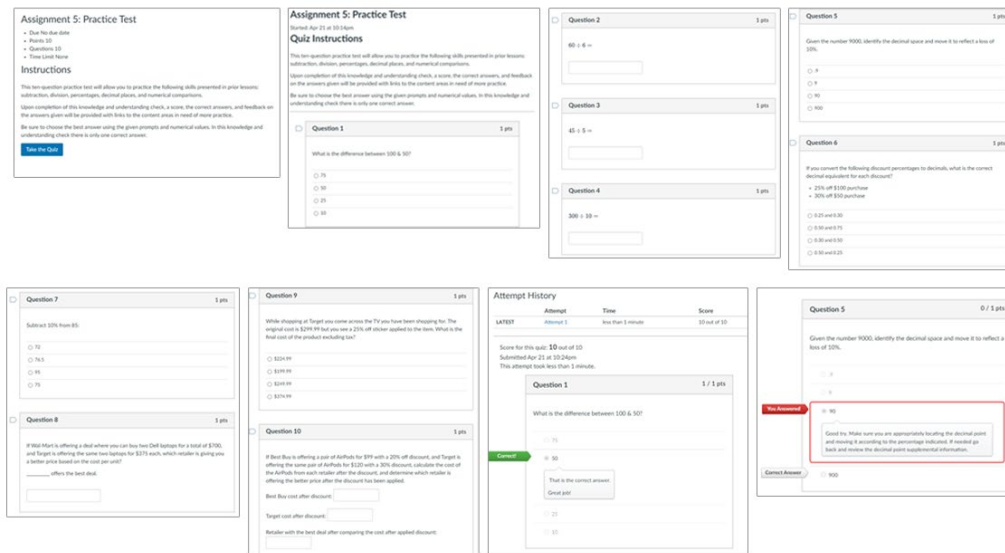
Project Title: CSC 101: Comparison Shopping
 Page: 1 of 1
 Lesson Title: Knowledge & Understanding Check
 Date: 04/05/2023
 File Name: 5.0 Assignment Overview
 Frame #: 1350

Links

Links From Screen: 1253
 Links To Screens: 1351

Screen Description:
 Newly acquired skills should be used to answer the following questions for practice.

Assignment 5 Overview



[Unit Title Header]
 Assignment 5 Overview

[Subheading]
 Practice Test

[Body]
 This ten-question practice test will allow users to practice the following skills presented in prior lessons: subtraction, division, percentages, decimal places, and numerical comparisons.

Upon completion of this knowledge and understanding check, a score, the correct answers, and feedback on the answers given will be provided with links to the content areas in need of more practice.

Be sure to choose the best answer using the given prompts and numerical values. In this knowledge and understanding check there is only **one** correct answer.

Background: Webcourses default background
 Color Scheme: Webcourses default color scheme
 Text Attributes: Webcourses default text
 Unit Title Heading – Heading 2
 Subheading – Heading 3

Audio: n/a
 Video: n/a
 Animated Gifs: n/a
 Graphic Still: n/a

Developer's Notes: Reference Appendix A for Practice Test Questions

REFERENCES

Dick, W., Carey, L. & J.O. Carey (2014). *Systematic design for instruction* (8th ed.). Pearson.

APPENDIX A: PRACTICE TEST QUESTIONS

1. What is the difference between 100 and 50?

- A. 75
- B. 50**
- C. 25
- D. 10

Fill in the blank: Divide the following numbers:

2. $60/6 = \underline{10}$

3. $45/5 = \underline{9}$

4. $300/10 = \underline{30}$

5. Given the number 9000, identify the decimal space and move it to reflect a loss of 10%

- A. .9
- B. 9
- C. 90
- D. 900**

6. If you convert the following discount percentages to decimals, what is the correct decimal equivalent for each discount?

25% off \$100 purchase

30% off \$50 purchase

- A. 0.25 and 0.30**
- B. 0.50 and 0.75
- C. 0.30 and 0.50
- D. 0.50 and 0.25

7. Select the correct answer: Subtract 10% from 85:

- A. 72
- B. 76.5**
- C. 95
- D. 75

8. If Wal-Mart is offering a deal where you can buy two Dell laptops for a total of \$700, and Target is offering the same two laptops for \$375 each, which retailer is giving you a better price based on the cost per unit?

Fill in the blank: **Wal-Mart** offers the best deal.

9. While shopping at Target you come across the TV you have been shopping for. The original cost is \$299.99 but you see a 25% off sticker applied to the item. What is the final cost of the product excluding tax?

- A. **\$224.99**
- B. \$199.99
- C. \$249.99
- D. \$374.99

10. If Best Buy is offering a pair of AirPods for \$99 with a 20% off discount, and Target is offering the same pair of AirPods for \$120 with a 30% discount, calculate the cost of the AirPods from each retailer after the discount, and determine which retailer is offering the better price after the discount has been applied.

Fill in the blank:

Best Buy cost after discount **\$79.20**

Target cost after discount: **\$84**

Retailer with the best deal after comparing the cost after applied discount: **Best Buy**