



Task Title: Calculating Hair Dye Mixing Ratios

OALCF Cover Sheet – Learner Copy

Learner Name: _____

Date Started: _____

Date Completed: _____

Successful Completion: Yes No

Goal Path: Employment Apprenticeship

Secondary School Post Secondary Independence

Task Description: Using ratios, the learner will calculate the amounts of ingredients needed to mix hair dye in a salon.

Main Competency/Task Group/Level Indicator:

- Understand and Use Numbers/Use measures/C3.2

Materials Required:

- Pen/pencil and paper and/or digital device
- Calculator or digital device with calculator function (optional)

Task Title: CalculatingHairDyeMixingRatios_EA_C3.2

Learner Information

When mixing hair dye, hairstylists determine the amounts of colour and developer in order to achieve the desired result.

Scan "Common Ratios".

Common Ratios

Standard Colour Formula Mixture is 1 part colour : 1.5 parts developer

Super Lightener Mixture is 1 part colour : 3 parts developer

Work Sheet

Task 1: A hairstylist is mixing a standard colour formula mixture. He has 40 ml of colour. Calculate how much developer is needed.

Answer:

Task 2: A hairstylist is mixing a super lightener mixture. She has 50 ml of super lightener. Calculate how much developer is needed.

Answer:

Task 3: A hairstylist requires 200 ml total of a standard colour formula mixture. Calculate how much colour and developer are needed.

Answer:

Task Title: CalculatingHairDyeMixingRatios_EA_C3.2

Task 4: A hairstylist has 300 ml of developer remaining. Calculate the maximum amount of standard colour formula mixture they can mix. The stylist has several packages of colour remaining.

Answer:
