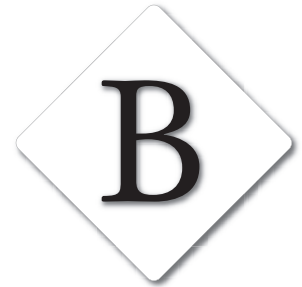


Construction Assignment I

Re-create the Recreation Room

- Identifying tools
- Recording information



Assignment Summary

In this assignment, the learner will

- fill in an invoice
- calculate hourly wages
- identify tools
- calculate cost of materials.

Prior Knowledge

- **Essential Skills**
- **LBS Levels**
- Some idea of hour and half hour

Teaching Planning Notes

- Collect a variety of tools specific to this job

With learner:

- Discuss safe handling and operation of tools collected
- Examine invoices
- Teach multiplication of money
- Review tables to 10
- Practise making a multiplication chart
e.g.
 $1 \times 15 =$ $2 \times 15 =$ $3 \times 15 =$
- Review how to use tool catalogue or glossary

Achievement Indicators

- Fills in invoice
- Identifies tools
- Identifies learning on self-achievement chart

FOCUS ON LEARNING

ESSENTIAL SKILLS

	Complexity Levels				
	1	2	3	4	5
Reading Text	■				
Document Use	■				
Writing	■				
Numeracy	■				
Oral Communication	■				
Thinking Skills	■				
Continuous Learning					

LITERACY AND BASIC SKILLS

	LBS Levels				
	1	2	3	4	5
Communication					
Read with Understanding				■	
Write Clearly				■	
Speak and Listen Effectively				■	
Numeracy					
Number Sense and Computation				■	
Self-Management and Self-Direction					
Concentration and Memory					
Problem Solving					
Self-Assessment					
Self-Confidence					
Thinking Skills					

Ontario Curriculum Linkages

Locally Developed Compulsory Credit Course, Mathematics (MAT1L)

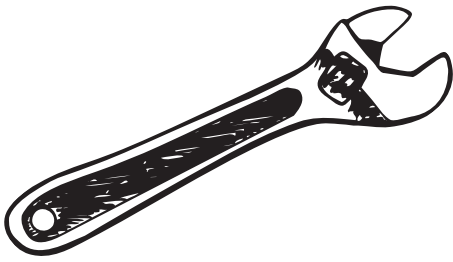
Developing and Consolidating Money Sense – Overall Expectations

DMSV.02 – solve problems involving money, drawn from everyday situations

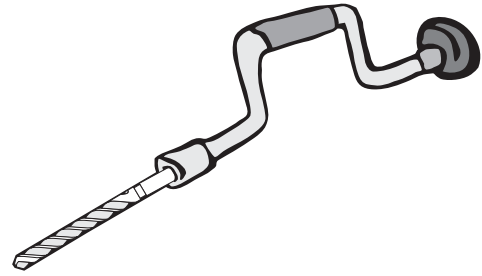
Solving Problems Involving Money – Specific Expectations

DMS2.03 – solve problems requiring estimating and calculating the cost of projects that require the purchase of multiples of the same item (e.g., 18 sheets of Bristol board and 9 glue sticks)

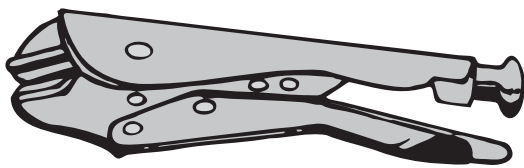
Re-create the Recreation Room



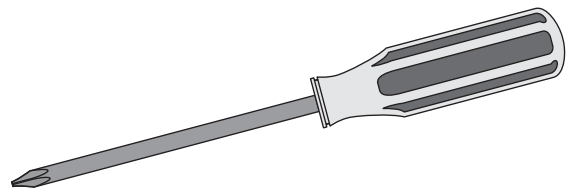
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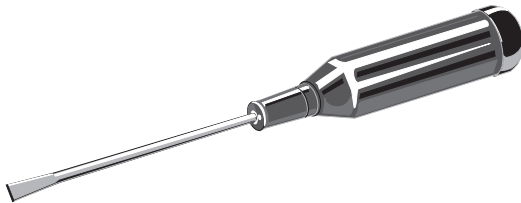
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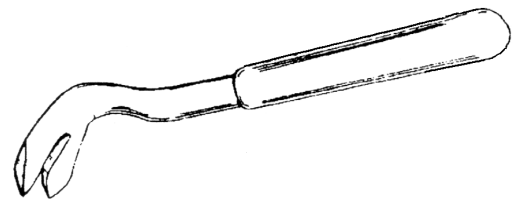
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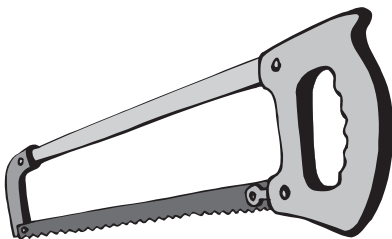
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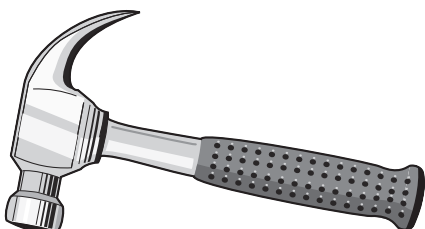
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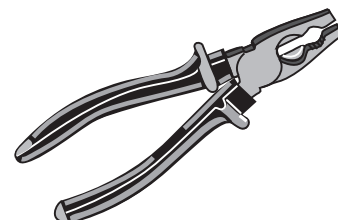
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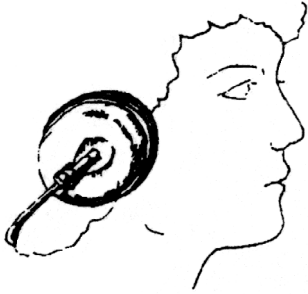
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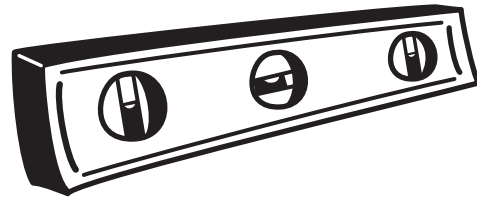
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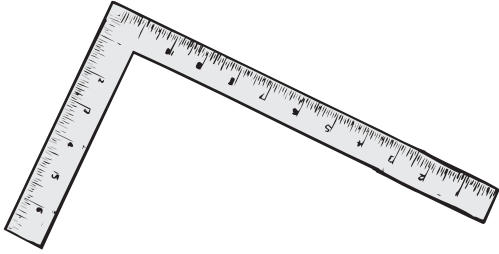
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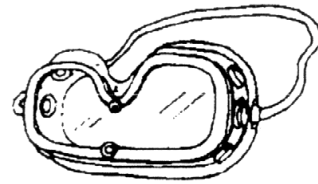
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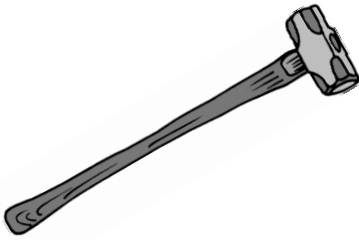
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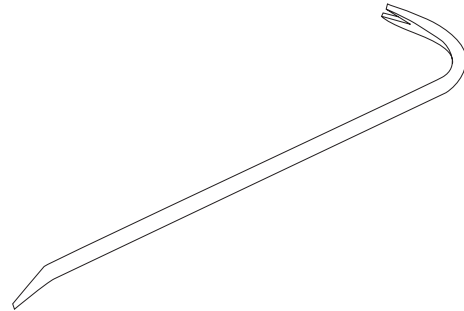
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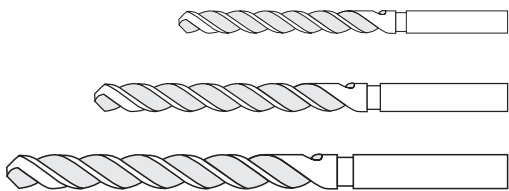
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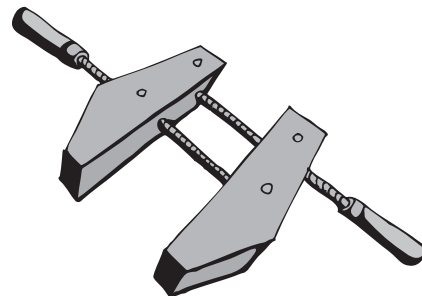
15



16



17



18

ear muffs

square

clamp

level

drill bits

sledge hammer

crow (pry) bar

goggles

hammer

hack saw

<i>vice grip</i>	<i>Phillips (star) screwdriver</i>
<i>hand drill</i>	<i>Robertson screwdriver</i>
<i>nail puller</i>	<i>flathead (slot) screwdriver</i>
<i>pliers</i>	<i>adjustable or crescent wrench</i>

Re-create the Recreation Room

Task #1: Prepare an Invoice

Geoff is helping his friend to finish his recreation room. His friend has insisted on paying for materials purchased and labour. Geoff needs to prepare the invoice.

Complete the invoice on the following page.

Materials

- 8 ft. x 10 ft. room = _____ sq. ft. (14 sq. ft. = 1 package)

Packages	Sq. ft.
1	14
2	28
3	42
4	56
5	70
6	84
7	98

- Use the information on the chart to calculate the number of packages needed.
- Calculate the cost at \$42.00 per package

Labour

- Total the invoice
- Labour / Hours at \$7.00 per hour. Number of hours equals 14.

Task #1: Prepare an Invoice (cont'd.)

Sample Invoice

Name: _____

Invoice # 1

Date: _____

Materials	Sub-Total
Packaging of Panelling	
	\$
Labour	
Hrs. @ \$ per hour	
	\$
Total	\$

Re-create the Recreation Room

Task #2: Which Tool?

Use a tool catalogue to identify each tool. Cut out a picture of it and paste it on the sheet. Write the catalogue number and the price beside the picture.

Tools Needed

Hammer

Stud Finder

Fine-Tooth Saw

Hand Plane

Tape Measure

Mitre Box

Task #2: Which Tool? (cont'd.)

Framing Square

Caulking Gun

Re-create the Recreation Room

Task #3: Using Tools Safely

Your instructor will have brought in some of the tools from Panelling Task 2.

- Demonstrate that you know how to use the tools brought in by your instructor
- Review safety procedures for using each tool with your instructor
- Tell another learner what each of the above tools is used for

