Trades Entrance Assessment (TEA)
Reference Guide

Congratulations on taking the next step to becoming a Trades and Apprenticeship student at Okanagan College!

This reference guide is designed to help prepare applicants for writing the Trades Entrance Assessment (TEA) for both Math and English.

1) Depending on what program you applied for will determine how many questions you complete on the TEA and the type of questions. See the chart below listing programs, percentages and amount of questions required.

2) These are timed exams – you have **one (1) hour for each exam and you cannot use a calculator on the math portion.**

3) HINT: It's a *really good idea* to know your times tables up to 12x12, and be able to do them quickly, practice them for this assessment.

*Important Note: If you have applied to two different programs, please select the program that has the **higher** entrance requirement from chart below.

Trade	English Passing Grade	Math Passing Grade	Math Question Quantity	Type of Math Questions
Foundation Programs				
Aircraft Maintenance Engineer – Structures (For Aircraft Maintenance Technician information, please see "Diploma" section)	77%	63%	50	• whole number operations (positive & negative number operations), • BEDMAS, • fractions (addition, subtraction, multiplication & division), • decimals, • percentages (as well as, going back and forth between fractions, decimals, & percent), • proportions, and • simple algebra, • roots, square roots & exponents, • geometry and • trigonometry (Pythagoras' theorem)
Automotive Service Technician	77%	63%	38	• whole number operations (positive & negative number operations), • BEDMAS, • fractions (addition, subtraction, multiplication & division), • decimals, • percentages (as well as, going back and forth between fractions, decimals, & percent), • proportions.
Carpenter/Joiner	77%	63%	50	• whole number operations (positive & negative number operations), • BEDMAS, • fractions (addition, subtraction, multiplication & division), • decimals, • percentages (as well as, going back and forth between fractions, decimals, & percent), • proportions, and • simple algebra, • roots, square roots & exponents, • geometry and • trigonometry (Pythagoras' theorem).
Carpenter Foundation	77%	63%	50	• whole number operations (positive & negative number operations), • BEDMAS, • fractions (addition, subtraction, multiplication & division), • decimals,

				• percentages (as well as, going back and forth between fractions, decimals, & percent), • proportions, and • simple algebra, • roots, square roots & exponents, • geometry and • trigonometry (Pythagoras' theorem).
Entry Level Automotive Collision and Repair	77%	50%	38	• whole number operations positive & negative number operations), • BEDMAS, • fractions (addition, subtraction, multiplication & division), • decimals, • percentages (as well as, going back and forth between fractions, decimals, & percent), • proportions
Culinary Arts Certificate	77%	50%	19	• whole number operations (positive & negative number operations), • fractions operations (addition, subtraction, multiplication & division), • decimal operations.
Electrical Pre-Apprenticeship	88%	85%	50	• 1whole number operations (positive & negative number operations), • BEDMAS, • fractions (addition, subtraction, multiplication & division), • decimals, • percentages (as well as, going back and forth between fractions, decimals, & percent), • proportions, and • simple algebra, • roots, square roots & exponents, • geometry and • trigonometry (Pythagoras' theorem).
Heavy Mechanical Foundation	77%	63%	38	• whole number operations (positive & negative number operations), • BEDMAS, • fractions (addition, subtraction, multiplication & division), • decimals, • percentages (as well as, going back and forth between fractions, decimals, & percent), • proportions.
Pastry Arts	77%	50%	19	• whole number operations (positive & negative number operations), • fractions operations (addition, subtraction, multiplication & division), • decimal operations.
Refrigeration and A/C Mechanic	77%	50%	50	• whole number operations (positive & negative number operations), • BEDMAS, • fractions (addition, subtraction, multiplication & division), • decimals, • percentages (as well as, going back and forth between fractions, decimals, & percent), • proportions, and • simple algebra, • roots, square roots & exponents,

				- geometry and - trigonometry (Pythagoras' theorem).
RV Service Technician	77%	63%	50	- whole number operations (positive & negative number operations), - BEDMAS, - fractions (addition, subtraction, multiplication & division), - decimals, - percentages (as well as, going back and forth between fractions, decimals, & percent), - proportions, and - simple algebra, - roots, square roots & exponents, - geometry and - trigonometry (Pythagoras' theorem)
Plumbing and Piping Trades	77%	50%	50	- whole number operations (positive & negative number operations), - BEDMAS, - fractions (addition, subtraction, multiplication & division), - decimals, - percentages (as well as, going back and forth between fractions, decimals, & percent), - proportions, and - simple algebra, - roots, square roots & exponents, - geometry and - trigonometry (Pythagoras' theorem).
Sheet Metal Worker	77%	50%	38	- whole number operations (positive & negative number operations), - BEDMAS, - fractions (addition, subtraction, multiplication & division), - decimals, - percentages (as well as, going back and forth between fractions, decimals, & percent), - proportions.
Studio Woodworking	77%	50%	50	- whole number operations (positive & negative number operations), - BEDMAS, - fractions (addition, subtraction, multiplication & division), - decimals, - percentages (as well as, going back and forth between fractions, decimals, & percent), - proportions, and - simple algebra, - roots, square roots & exponents, - geometry and - trigonometry (Pythagoras' theorem).
Welder Foundation	77%	63%	38	- whole number operations (positive & negative number operations), - BEDMAS, - fractions (addition, subtraction, multiplication & division), - decimals, - percentages (as well as, going back and forth between fractions, decimals, & percent), - proportions

Diploma Programs				
Aircraft Maintenance Technician Diploma	77%	63%	50	• whole number operations (positive & negative number operations), • BEDMAS, • fractions (addition, subtraction, multiplication & division), • decimals, • percentages (as well as, going back and forth between fractions, decimals, & percent), • proportions, and • simple algebra, • roots, square roots & exponents, • geometry and • trigonometry (Pythagoras' theorem).
Automotive Service Technology Diploma	77%	63%	38	• whole number operations (positive & negative number operations), • BEDMAS, • fractions (addition, subtraction, multiplication & division), • decimals, • percentages (as well as, going back and forth between fractions, decimals, & percent), • proportions.
Collision Repair and Refinishing Diploma	77%	50%	38	• whole number operations (positive & negative number operations), • BEDMAS, • fractions (addition, subtraction, multiplication & division), • decimals, • percentages (as well as, going back and forth between fractions, decimals, & percent), • proportions.

Ready to write the TEA? Register for the online assessment now:

Register now

Reminder: You **must apply** for a Trades Foundation Program and receive a response from Admissions **before** you can register for this assessment.

Practice your skills before writing the assessment!
Review practice questions below.

1. $26598 \div 39 =$
   e. 6820
   f. 6742
   g. **682**
   h. 679

2. $-6 - 4 =$
   a. 2
   b. -2
   c. 10
   d. **-10**

3. $\frac{4}{5} \div \frac{1}{2} =$
   e. $\frac{2}{5}$
   f. $\frac{5}{8}$
   g. $1\frac{1}{5}$
   h. **$1\frac{3}{5}$**

4. *An engine specialist works $1\frac{1}{4}$hrs on 1 car, $3\frac{3}{4}$hrs on another car and $1\frac{1}{4}$hrs on a third car. How much time remains for another job in this 8-hr work day?*
   a. $1\frac{1}{4}$ hrs left
   b. $1\frac{1}{2}$ hrs left
   c. **$1\frac{3}{4}$ hrs left**
   d. 2 hrs left

5. $36.00 - 19.27 =$
   a. 16.27
   b. **16.73**
   c. 17.27
   d. 17.73

6. *15% of 30 is:*
   a. 0.45

b. 0.5
c. 2
d. 4.5

7. $\underline{4 + (16 - 4)}$ = Z   What is Z?
   4×3
   a. 60
   b. 48
   c. 21
   d. 1.3

How many rolls of plastic sheeting 3 ft wide and 50 ft are needed to cover a 900 square-foot area? **(A = l x w)**

8. *Number of rolls of plastic sheeting needed:*
   a. 10
   b. 6
   c. 9
   d. 7

Document use practice

Sticky Stuff Slayer

Quick and easy to use!

Number 1 trusted brand!

Let us solve all your sticky situations!

DIRECTIONS:
1. Apply Sticky Stuff Slayer to the affected surface
2. Allow it to sit for 3-5 minutes
3. Wipe the covered surface with a clean towel or rag
4. Using a different towel, wipe the area with hot soapy water and dry thoroughly

SAFE USE
- Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
- Store in a well-ventilated place.
- Avoid breathing spray vapour or mist.
- Harmful to waterways. If a spill occurs, wipe up with paper towels and discard in the trash rather than soaking it up with a sponge and rinsing it down the sink.

Ready to use, spray-gel, drip-free formula removes tough sticky adhesives such as stickers, tape, crayon, and grease.

Safe for use on most surfaces, including wood, carpet, glass, fabric, sealed stone, latex paint, labels, caulk equipment, & tools. Should not be used on silk, leather, suede, rubber, unfinished wood, unsealed stone, unpainted walls (drywall), or faux stainless steel.

710 mL (24 fl oz) spray bottle
Price per bottle:

1	6	12+
$15	$14	$13

Unit Weight: 1.43 lbs.\0.65 kg
Features: Colour: orange Odour: citrus Physical state: liquid
Active Ingredients: petroleum distillate (90%), D-Limonene (5%), sweet orange extract (5%).

HAZARD STATEMENTS:
- Combustible liquid; flash point 85°C / 185%F.
- May cause an allergic skin reaction; wear chemically resistant protective gloves.
- In case of insufficient ventilation, wear suitable respiratory equipment.
- May be fatal if swallowed.
- If swallowed, immediately call a poison centre or doctor; do not induce vomiting.
- If on skin, wash with plenty of water.

9. *Which of the following surfaces should Sticky Stuff Slayer not be used on?*
   a. Drywall
   b. Painted wood
   c. Finished marble countertop
   d. Stainless steel

10. *If something is 'fatal', it is…*
    e. a failure
    f. deadly
    g. final
    h. dynamic

11. *Which of the following could be considered an ignition source?*
    a. An electric candle
    b. A reading light
    c. A cigarette lighter
    d. A thermometer

12. *What could happen if Sticky Stuff Solution reaches 85 degrees Celsius?*
    e. It could congeal
    f. It could change from liquid to solid
    g. It could catch on fire
    h. It could cause an allergic reaction