
























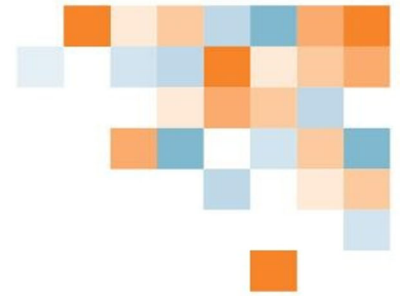
**Calculators Provided for ITA Certification Exams**

Calculators will be provided to exam candidates writing ITA Certification (Interprovincial “Red Seal” and Certificate of Qualification) exams based on the trade. The Industry Training Authority consulted with training providers to ensure that the functionality of ITA provided calculators will be suitable for the trade that they will be provided for.

Please see the following table for the Calculator Model that will be provided to you for your certification trade examination session. If you do not see your trade in the table below, please contact ITA Customer Service

**Sharp EL-520XTBBK and EL-531XTBWH**

Agricultural Equipment Technician 	Appliance Service Technician 	Asphalt Paving/Laydown Technician
Arborist Technician	Auto Body & Collision Technician 	Automotive Refinishing Technician 
Automotive Service Technician 	Automotive Service Technician 1	Automotive Service Technician 2
Automotive Service Technician 3	Baker 	Boom Truck Operator - Folding Boom Unlimited Tonnage
Boom Truck Operator - Stiff Boom Unlimited Tonnage	Bricklayer 	Broadband Network Technician
Carpenter 	Climbing Arborist	Concrete Finisher 
Construction Craft Worker 	Diesel Engine Mechanic	Drywall Finisher
Electrician, Construction 	Electrician, Industrial 	Embalmer
Embalmer & Funeral Director	Floor Covering Installer 	Funeral Director
Gasfitter - Class A	Gasfitter - Class B	Geoexchange Driller
Geotechnical/Environmental Driller	Hairstylist 	Heavy Duty Equipment Technician 
Heavy Equipment Operator	Industrial Mechanic (Millwright) 	Instrumentation & Control Technician 
Insulator (Heat & Frost) 	Landscape Horticulturist 	Lather (Interior Systems Mechanic) 
Locksmith	Marine Electrician Endorsement	Marine Mechanical Technician
Marine Service Technician	Metal Fabricator Endorsement: Marine Fitter	Mobile Crane Operator 



Mobile Crane Operator - Hydraulic 80 tonnes & under	Motorcycle Technician	Oil Heat System Technician
Painter & Decorator	Parts & Warehousing Person 1	Partsperson 2
Partsperson	Petroleum Equipment Installer	Petroleum Equipment Service Technician
Plumber	Powerline Technician	Professional Cook 1
Professional Cook 2	Professional Cook 3 (Cook)	Railway Car Technician
Recreation Vehicle Service Technician	Refrigeration and Air Conditioning Mechanic	Residential Building Maintenance Worker
Residential Steep Roofer	Roofer	Saw Filer
Saw Filer Endorsement: Benchperson	Security Systems Technician	Steamfitter/Pipefitter
Tidal Angling Guide	Tilesetter	Tool and Die Maker
Tower Crane Operator	Transport Trailer Technician	Truck & Transport Mechanic
Utility Arborist	Water Well Driller	Welder
Welder Endorsement: Multi- Process Alloy Welding (MPAW)	Well Pump Installer	Winder Electrician

**Texas Instrument TI-30Xa**

Architectural Sheet Metal	Automotive Glass Technician	Boilermaker
Cabinetmaker	Glazier	Ironworker (Generalist)
Ironworker (Reinforcing)	Machinist	Meatcutter
Metal Fabricator (Fitter)	Sheet Metal Worker	Piledriver & Bridgeworker

**Sharp EL-520XTBBK, EL-531XTBWH**

Candidates will be provided with either the Sharp EL-520XTBBK or EL-531XTBWH calculator. The functionalities of the calculators are the **same**. Only cosmetic changes were made to the Sharp EL-520XTBBK or EL-531XTBWH





## Calculators For Use in Apprenticeship Industry Training Certification Exams

The Industry Training Authority supplies all exam candidates with a calculator for a certification (IPSE and CofQ) exam. Personal calculators are not permitted. Calculators will be distributed based on the trade. Visit the Industry Training Authority website for more information.

The Sharp EL-520XTBBK and EL-531XTBWH calculators are scientific models as shown here.\*

The Sharp EL-520XTBBK and EL-531XTBWH provide all the scientific functions required for the trade exams.

Instructions on the use of the various functions are provided below.



\* The EL-520XTBBK & EL-531XTBWH calculators have identical functions with previous versions with only minor differences in physical appearance

### Calculator Use Instructions

- To switch from the number or symbol on a black button to the yellow function above the button, press the 2ndF key.
- To clear the calculator of a wrong function, a reset button is located at the back of the calculator.

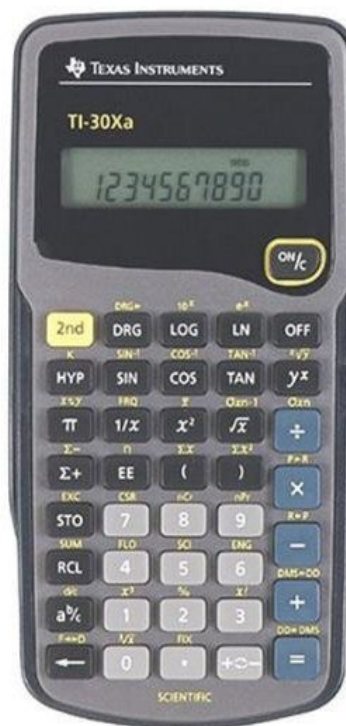
Basic example,

<b>18 multiplied by 3.6</b>	1	8	x	3	.	6	
<b>Percent e.g., 7% of 96</b>	9	6	x	7	2ndF	1	%
<b>Fractions e.g., 2/3 + 1/4</b>	2	a <sup>b</sup> /c	3	+	1	a <sup>b</sup> /c	4
<b>Trigonometry e.g., sine of 35 °</b>	sin	3	5				
<b>Square Root e.g, root of 49</b>	2ndF	√	x	4	9		

The Texas Instrument TI-30Xa calculator is a scientific model as shown here.

The TI-30Xa provides all the basic and scientific functions required for trade exams.

Instructions on the use of the various functions are provided below.



### Calculator Use Instructions

- To switch from the number or symbol on a black button to the yellow function above the button, press the **2nd** key.

Basic example,

<b>18 multiplied by 3.6</b>	1	8	x	3	.	6	
<b>Percent e.g., 7% of 96</b>	9	6	x	7	2nd	%	2
<b>Fractions e.g., 2/3 + 1/4</b>	2	a <sup>b</sup> /c	3	+	1	a <sup>b</sup> /c	4
<b>Trigonometry e.g., sine of 35°</b>	3	5	sin				
<b>Square Root e.g., root of 49</b>	4	9	√x				