AUSTRALIAN APPRENTICESHIPS
Your Life. Your Career. Your Future.

Australian Government

General

Practice Aptitude Quiz

Practice Aptitude Quiz

Part 1: About this quiz

Use this quiz to prepare for an Apprenticeship

This quiz:

- Is <u>NOT</u> a formal assessment tool or pre-requisite for any job application
- Shows key learning standards for an apprenticeship
- Has been developed with the help of industry leaders, TAFE and high schools

Quiz details

This quiz will:

- Take approximately 90 minutes to complete
- Ask you numeracy and literacy questions
- Assess your literacy and numeracy at a Year 10 standard
- Allow you to use a calculator
- Share correct answers at the end

Who should take this quiz?

You should complete this quiz if you:

- Are thinking about starting an Apprenticeship
- Want to practise for a formal aptitude test

Need help with your literacy and numeracy skills?

If you want to improve your literacy and numeracy skills, reach out to any of the below:

- Australian Apprenticeship Support Network providers
- Your Registered Training Organisation when you start training
- Reading Writing Hotline:
  1300 655 506
  www.readingwritinghotline.edu.au
- Careers advisers and your teachers (if you're in high school)

More information about industries

Visit www.yourcareer.gov.au/industries

On this page you'll be able to:

- See industries and their occupations
- Get general information and statistics about these industries
- Search for industry courses

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How to use this quiz

This is an interactive form that can be filled out on your computer.

You can either:

- Fill it out on your computer; OR
- Print it out; OR
- Write your answers down on paper as you go.

Use the answers section at the end of the quiz to see how you went.

How to complete this quiz on your computer

1. Download and save the quiz onto your computer
2. Open the file from your computer
3. Fill in the form using a keyboard and mouse

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Part 2: The Quiz

Section 1: Language and Literacy

1. **Change these following words into plurals:**

   Address

   Welder

   Fix

   Lunch

   Finish

2. **Write these abbreviated words in full:**

   Dr

   Wed

   Jan

   mm

   LOL

3. **The following text has 10 spelling errors. Correct those errors and list them in the order they appear in the text. List the mistakes below, as you find them:**

   Renewable energy derived from naturel processes such as sunlite, wind and tides
   are repleneshed constently. Renewable sistems that convurt energy to electricity
   include solar pannels and wind turbines. Electrical energy produced is importent and
   must not be waisted, therefore bateries can be used to store that energy for later use.

   1.   2.
   3.   4.
   5.   6.
   7.   8.
   9.   10.

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4. **Select the most appropriate word to replace the word that is <u>underlined</u>:**

a. In aged care, you will be expected to work independently and as part of a <u>group</u>.

    team   section   colleagues   friends

b. Health and safety hazards can be <u>minimised</u> by enforcing good health and safety.

    prevented   deficient   eluded   reduced

c. Older people are all <u>different</u> and each person should be treated as an individual.

    similar   equal   alternative   unique

d. Aged care workers provide <u>support</u> to the elderly.

    assistance   choices   knowledge   transport

5. **Select the correct spelling of the following words:**

a.   Reflective   Rephlective   Reflicteve   Reflectiv

b.   Adminestration   Administrasion   Administration   Adminictrashin

c.   Individal   Endividual   Indevidual   Individual

d.   Privasy   Prevacy   Pryvacy   Privacy

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6. **Read the following item about Personal Protective Equipment (PPE):**

Personal protective clothing, hand protection, foot protection and respiratory protective equipment are often necessary in the Metal Fabrication sector.

Personal Protective Equipment (PPE) includes clothing, equipment and substances designed to be worn or used to protect people from risks of injury or disease.

PPE is only to be used in the workplace where it is not reasonably practicable to control hazards by other means.

The following information describes some PPE used to guard workers against specific hazards.

Gloves — Photo A

Breathing Mask — Photo B

Goggles — Photo C

THIS IS A HARD HAT AREA — SAFETY HELMETS MUST BE WORN — Sign A

FOOT PROTECTION MUST BE WORN IN THIS AREA — Sign B

FACE SHIELD MUST BE WORN IN THIS AREA — Sign C

HEARING PROTECTION MUST BE WORN IN THIS AREA — Sign D

Part of Body	Some Potential Hazards
Head	Falling objects
Face & Eyes	Sparks, ultraviolet light, metal shards, chemical splashes, fumes
Hearing	Excessive noise
Respiratory	Dust, fumes, vapours
Hands	Abrasion, sparks, irritant substances, vibration , electric shock
Feet	Crushing, slipping, abrasion, irritant substances, wetness, electric shock, static electricity, puncture, cold/heat

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Questions:

a. Using an angle grinder can produce sparks that have the potential to damage eyes. What PPE could be used to guard against this hazard? (Note: there may be more than one PPE that can be used in this case).

b. If you are lifting heavy objects there is a risk of dropping the load on your feet. What PPE could be used to help prevent injuring your feet?

c. Some workplaces use chemical agents to maintain or clean equipment. What two PPE could be used to protect you from inhaling chemical fumes and prevent contact between the chemicals and your hands?

d. Some machinery operates at high noise levels. What PPE can help to protect a worker's hearing in these types of situations?

7. Put the following words in alphabetical order:

Menswear	
Hardware	
Garden supplies	
Stationery	
Women's clothing	
Children's wear	
Boy's wear	
Travel goods	
Fine foods	
Sporting goods	

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Section 2: Numeracy

Calculators may be used

1. **What unit from the list below would you use to measure:**

kg	km/hr	AUD	min
ml	m²	mm	°C

   a.   length

   b.   time

   c.   temperature

   d.   weight

   e.   area

   f.   speed

   g.   volume

   h.   cost

2. **From the list of numbers below, select the one which is a:**

3/8	25%	16.37
35°	5:4	3¼

   a.   percentage

   b.   decimal number

   c.   fraction

   d.   mixed number

   e.   ratio

   f.   angle

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3. **Add the following:**

   a. $2, $21.45 and $8.23

   b. 18.32, 471.019 and 315

4. **Calculate the following:**

   a. 5,218 - 1,784

   b. 43.18 - 29.461

5. **Multiply the following:**

   a. 6.87 by 10

   b. 13.8 by 3

   c. 46.2 by 8.5

6. **Divide the following:**

   a. 3.45 by 10

   b. 3,024 by 14

   c. 56.2 by 0.2

7. **Simplify the following:**

   a. 2 + 3 x 4

   b. 4 – 10 ÷ 2

   c. $\dfrac{50+50}{2 \times 25}$

   d. (16 –5) x 3

8. **Add the following:**

   a. ¼ and ½

   b. $\dfrac{2}{9}$ and $\dfrac{5}{6}$

   c. 3¼ and 1/8

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9. **Estimate the size of the following angles by selecting the appropriate answers from the list below. Select the correct answer:**
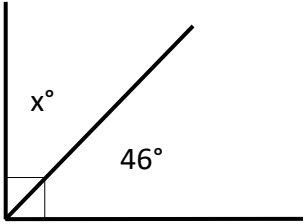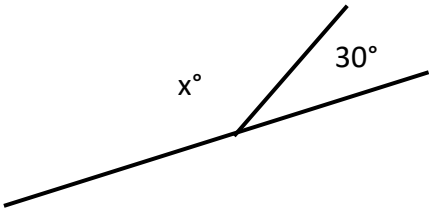
a.
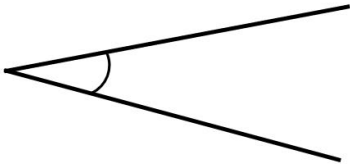
30°

110°

170°

b.
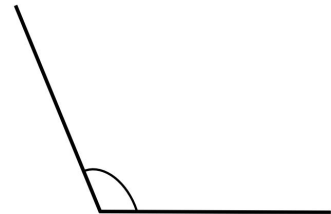
30°

110°

170°

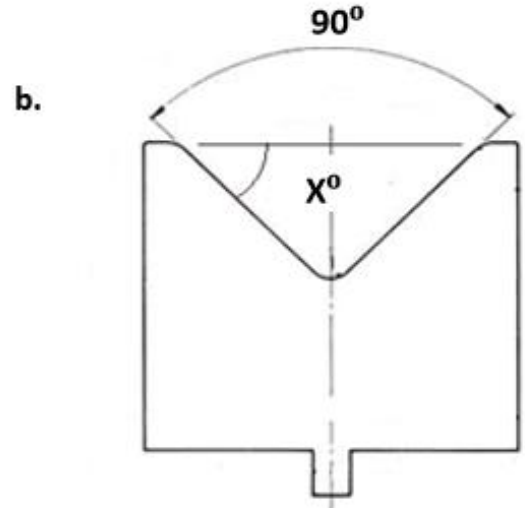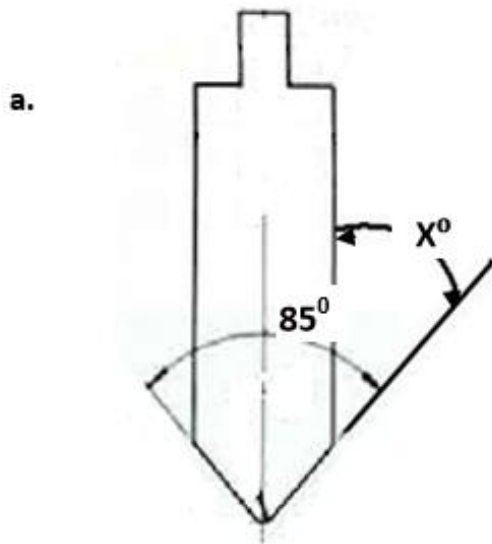10. **Find the value of x° in the following:**

a.

x°

46°

b.

30°

x°

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11. **Establish the size of the following X° angles by selecting the appropriate answer from the list below:**
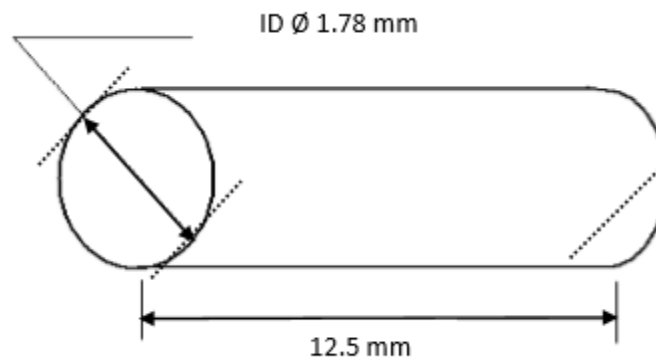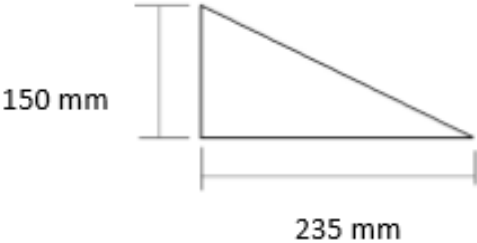
a.

85°

X°

b.

90°

X°

37.5°	42.5°
42.5°	45°
47.5°	47.5°
52.5°	50°

12. **Calculate the volume of this cylinder using the inside diameter measurement. Use π = 3.1416.**

ID Ø 1.78 mm

12.5 mm

Formula = πr^2 x length
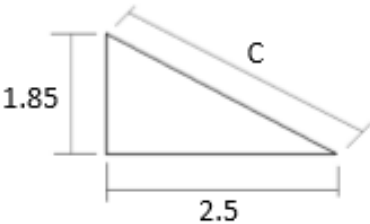
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13. Calculate the area of this triangle using the following formula:

$$A = \frac{\text{Base x Height}}{2}$$

150 mm

235 mm

14. What is the diagonal length of a triangle having sides measuring:

A = 2.5 metres x B = 1.85 metres?

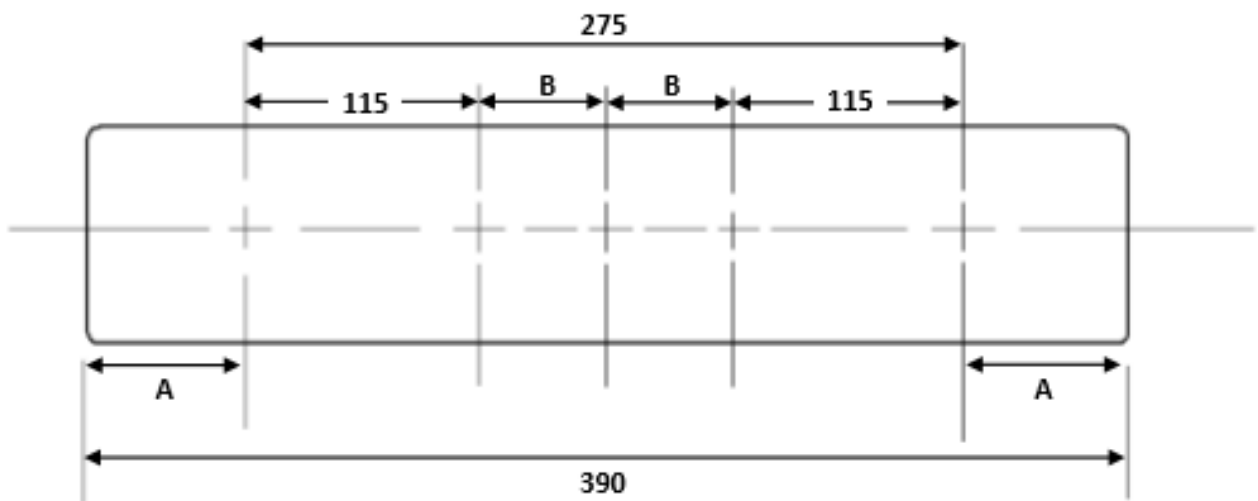Formula: $C = \sqrt{A^2 + B^2}$

C

1.85

2.5

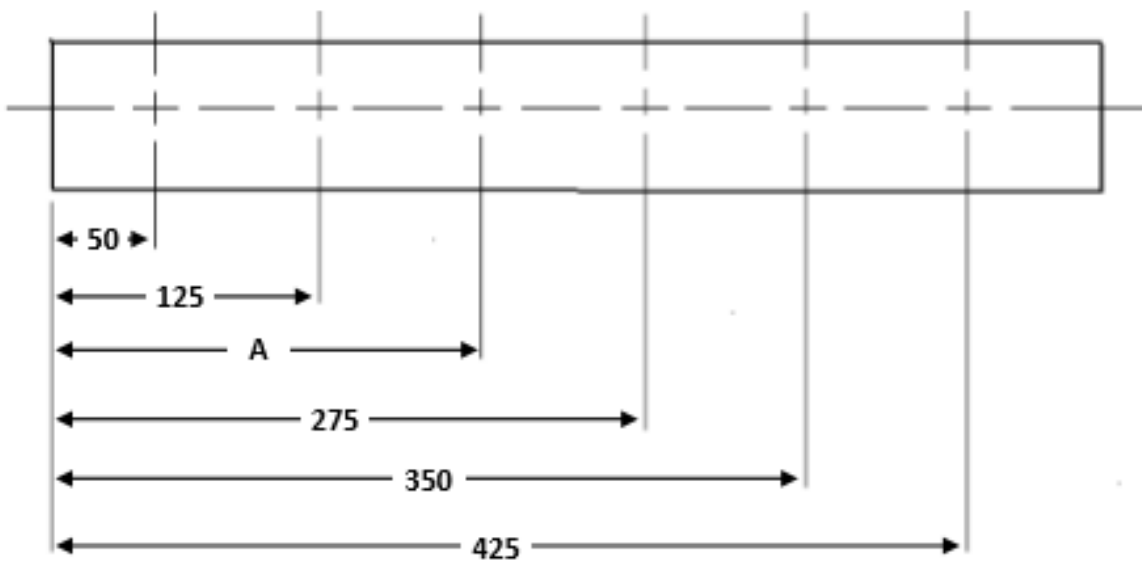# Practice Aptitude Quiz

15. **What are the lengths of segments (A) and (B) in the diagram below? All dimensions are in mm:**

   A. _____

   B. _____

16. **Looking at the diagram below, six holes are to be drilled at an equal distance apart. Complete the sequence by determining the dimension of (A). All dimensions are in mm.**

13

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<div align="center">

ANSWERS

</div>

Section 1: Language and Literacy

1.   Addresses
Welders
Fixes
Lunches
Finishes

2.   Doctor
Wednesday
January
Millimetre
Laugh out loud

3.   naturel - natural   convurt - convert
sunlite - sunlight   pannels - panels
repleneshed - replenished   importent - important;
constently - constantly   waisted - wasted
sistems - system   bateries - batteries

4.   a. team   b. reduced   c. unique   d. assistance

5.   a. Reflective   b. Administration   c. Individual   d. Privacy

6.   a. Photo C , Sign C   b. Sign B   c. Photo A, Photo B   d. Sign D

7.

Boy's wear
Children's wear
Fine foods
Garden supplies
Hardware
Menswear
Sporting goods
Stationery
Travel goods
Women's clothing

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Section 2: Numeracy

1. a. mm   b. min   c. °C   d. kg   e. m²   f. km/hr   g. ml
    h. $

2. a. 25%   b. 16.37   c. 3/8   d. 3 ¼   e. 5:4   f. 35°

3. a. $31.68   b. 804.339

4. a. 3434   b. 13.719

5. a. 68.7   b. 41.1   c. 392.7

6. a. 0.345   b. 216   c. 281

7. a. 14   b. -1   c. 2   d. 33

8. a. 3/4   b. 19/18   c. 27/8

9. a. 30°   b. 110°

10. a. 44°   b. 150°

11. a. 42.5°   b. 45°

12. a. 31.106mm³

13. 17625mm²

14. C = 3.11m

15. A = 57.5mm and B = 22.5mm

16. 200mm