

Form 770a  
**SAMPLE SHEET – PLUMBING TRADES SUITABILITY  
 ASSESSMENT – ANSWER SHEET**



SECTIONS INCLUDE

READING AND COMPREHENSION  
 OHS&W QUESTIONS AND SCENARIOS  
 GENERAL PLUMBING TRADE QUESTIONS  
 MEASUREMENT AND MECHANICAL REASONING  
 MATHEMATICS

**ADDING & SUBTRACTING**

$1144 + 22356 + 21 + 4586 = \mathbf{28107}$

$14523 - 5449 = \mathbf{9074}$

$231 - 584 = \mathbf{353}$

**MULTIPLICATION**

(1)  $276 \times 178 = \mathbf{49128}$

(2)  $12.9 \times 0.025 = \mathbf{0.3225}$

**FRACTIONS**

(1)  $\frac{1}{2} + \frac{6}{30} + \frac{1}{10} = \mathbf{\frac{4}{5}}$

(2)  $6 \div \frac{1}{5} = \mathbf{30}$

**GENERAL PLUMBING TRADES**

Name 4 plumbing tools you may use when fitting and connecting a toilet cistern and pan in a domestic scenario?

- (1) **Drill**
- (2) **Screw Driver**
- (3) **Shifting Spanner**
- (4) **Concrete Trough**

**OH&S**

Draw and explain two safety signs that could be displayed on a construction site?



**AREA OF CIRCLE**

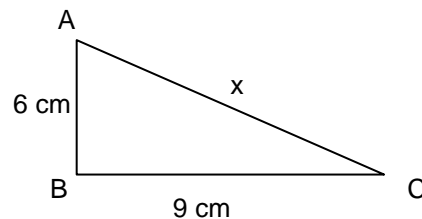
Find the circumference of a circle with a diameter of 12 m?

= **37.68 m**

**PYTHAGORAS THEORAM**

**ANGLES**

A right-angled triangle has two sides whose respective lengths are 6 cm and 9 cm. What is the length of the longest side?



$$C^2 = 9^2 + 6^2$$

$$X = 9^2 + 6^2 = 81 + 36 = 117$$

$$X = \sqrt{117}$$

$$X = 10.8 \text{ cm}$$

**MEASUREMENT**

Provide the measurements of a standard 375 mL can of Coca-Cola in mm.

- (1) Height = **130 mm**
- (2) Outside Diameter = **65 mm**
- (3) Inside Diameter, top of can = **53 mm**
- (4) Length of opening clasp = **24 mm**

**UNITS OF MEASUREMENT**

Provide 4 examples of Units of Measurement e.g. 4 km = length

- (1) **mm**
- (2) **m**
- (3) **m<sup>2</sup>**
- (4) **m<sup>3</sup>**