Science

Text: Discovering Science 8

Unit 3: Fluids

Pressure, *Force* and *Area*

1.) Pressure: _____

_____

Ex.: _____

_____

_____

Units of Measurement: _____, also expressed as _____

Formula: Pressure = _____ *Abbrev*: = _____

Practice: P = 1 203.3 **N / 6.3 m²**

Illustration:

Science

Text: Discovering Science 8

Unit 3: Fluids

Pressure, *Force* and *Area*

2.) **Force:** _____

_____

Ex.: _____

_____

_____

Units of Measurement: _____

Formula: **Force** = ***Abbrev*:** =

Practice: $F = (8\ 400\ \mathbf{Pa})\ (0.012\ \mathbf{m^2})$

Illustration:

Science

Text: Discovering Science 8

Unit 3: Fluids

Pressure, *Force* and *Area*

3.) **Area:** _____

_____

Ex.: _____

_____

_____

Units of Measurement: _____

Area = _____ ***Abbrev*:** = _____

Practice: A = 5.1 **N** / 1 600 **N/m²**

Illustration:

Science

Text: Discovering Science 8

Unit 3: Fluids

Pressure, *Force* and *Area*

1.) List the two general conclusions when discussing the relationship among force, area and pressure:

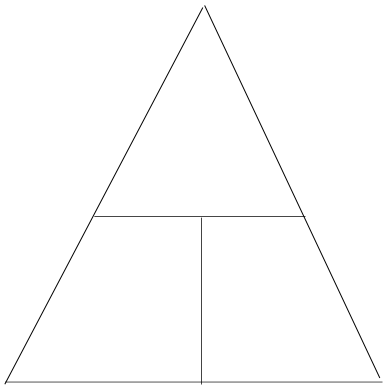
i/ _____

_____

ii/ _____

_____

2a.) Fill in the triangle with the appropriate symbols for the formulas for pressure, force and area.



b) Explain how the formula triangle works.