

$$\text{CO} = \text{HR} \times \text{SV}$$

$$5600 \text{ mL} = 80 \times 70 \text{ mL}$$

$$5.6 \text{ L}$$

$$\text{HR} = \frac{\text{CO}}{\text{SV}}$$

$$\text{SV} = \frac{\text{CO}}{\text{HR}}$$

Self-Assessment A-6 [Compatibility Mode] - Microsoft Word

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Cut Copy Format Painter Paste Clipboard Arial 18 A Aa Emphasis AaBb AaBb AaBbCcDd AaBbCcI Find Replace Select Editing

Font Paragraph Styles

AaBbCcDd **AaBb** **AaBb** **AaBbCcDd** **AaBbCcI**

Emphasis **Heading 1** **Heading 2** **Normal** **Strong** **Subtitle**

Change Styles

Self-Assessment A-6 [Compatibility Mode]

$\frac{A \times B}{A} = \frac{1}{B} \times A \times D$

SELF-ASSESSMENT: RSPT 1060 – Module A-6

FORMULA:	FIND:	SHOW YOUR WORK:
1. $A \times B = C / D$	A	$(\frac{1}{B}) A \times D = \frac{C}{D} \times \frac{1}{B}$ $A = \frac{C}{D \times B}$
2. $A \times B = C / D$	B	$\frac{A \times B}{A} = \frac{C}{D} (\frac{1}{A})$ $B = \frac{C}{D \times A}$ $C = \frac{A \times B}{D}$
3. $A \times B = C / D$	C	$D \times A \times B = C \times D$ $\frac{A \times B \times D}{D} = C$ $C = A \times B \times D$
4. $A \times B = C / D$	D	$\frac{A \times B}{1} = \frac{C}{D}$ $\frac{D}{1} = \frac{C}{A \times B}$ $D = \frac{C}{A \times B}$
5. $A / B = C \times D$	A	

Page: 1 of 1 | Words: 154 | 132%

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Cut Copy Format Painter Paste Clipboard Arial 18 A Aa AaBbCcDd AaBbCcDd AaBbCcI Emphasis AaBb AaBb Heading 1 Heading 2 Normal Strong Subtitle Change Styles Find Replace Select Editing

Self-Assessment A-6 [Compatibility Mode]

5.	$A/B = C \times D$	$\frac{A}{B} = \frac{C \times D}{B}$ (B) $A = C \times D \times B$
6.	$A/B = C \times D$	$\frac{A}{B} = \frac{C \times D}{B}$ (A) $A = \frac{C \times D}{B}$ (B) $B = \frac{A}{C \times D}$
7.	$A/B = C \times D$	$\frac{A}{B} = \frac{C \times D}{B}$ (C) $C = \frac{A}{D \times B}$
8.	$A/B = C \times D$	$\frac{A}{B} = \frac{C \times D}{B}$ (D) $D = \frac{A}{C \times B}$
9.	$A/B = C/D$	$\frac{A}{B} = \frac{C}{D}$ (A) $A = \frac{C \times B}{D}$
10.	$A/B = C/D$	$\frac{A}{B} = \frac{C}{D}$ (B) $B = \frac{A \times D}{C}$
11.	$A/B = C/D$	C
12.	$A/B = C/D$	D
13.	$A \times B = C \times D$	A

Page: 1 of 1 | Words: 154 | 132% | Captured on Thu Sep 08 2011 14:57:23

Self-Assessment A-6 [Compatibility Mode] - Microsoft Word

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Arial 18 A Aa AaBbCcDd AaBbCcDd AaBbCcI
AaBb **AaBb** Emphasis **Heading 1** **Heading 2** Normal Strong Subtitle

Font Paragraph Styles

Find Replace Select Editing

Self-Assessment A-6 [Compatibility Mode]

10	$A / B = C / D$	B	
11	$A / B = C / D$	C	
12	$A / B = C / D$	D	
13	$A \times B = C \times D$	A	$\frac{A \times B = C \times D}{B} \rightarrow \frac{1}{B}$
14	$A \times B = C \times D$	B	$\frac{A \times B = C \times D}{A} \rightarrow \frac{C \times D}{A}$
15	$A \times B = C \times D$	C	$\frac{A \times B = C \times D}{C} \rightarrow \frac{A \times B}{C}$
16	$A \times B = C \times D$	D	$\frac{A \times B = C \times D}{D} \rightarrow \frac{A \times B}{D}$

Page: 1 of 1 | Words: 154 | 132% +

$12 = D$

2. Given: $A = 5$, $B = 10$, $C = 4$ Formula: $A/B = C/D$

a. Find: $D = \underline{\hspace{2cm}}$

$$\frac{A}{B} = \frac{C}{D}$$

$$\frac{B}{A} = \frac{D}{C} \quad (\leftarrow)$$

Invert the equation to get "D" on top

$$\frac{C}{1} \times \frac{B}{A} = \frac{D}{C} = \frac{C}{1} \quad \text{Multiply both sides by "C"}$$

$$\frac{Cx B}{A} = D$$

$$\frac{4 \times 10}{5} = D = \frac{40}{5} = D = 8 \quad \text{SOLVE}$$

The screenshot shows a Microsoft Word document titled 'Notes - Module A-6 [Compatibility Mode]'. The document contains handwritten mathematical work. At the top, the formula $\frac{A}{B} = \frac{C}{D}$ is given, and its inverse $\frac{B}{A} = \frac{D}{C}$ is shown with a circled arrow indicating inversion. Below this, the values $A = 5$, $B = 10$, and $C = 4$ are listed. The goal is to find D . The equation $\frac{4}{5} = \frac{D}{10}$ is solved by cross-multiplication, resulting in $40 = 5D$, and then dividing both sides by 5 to get $D = 8$. The word 'SOLVE' is written next to the final result. The Microsoft Word ribbon is visible at the top, and the status bar at the bottom shows 'Page: 2 of 4' and 'Words: 630'.