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|  KEMENTERIAN PENDIDIKAN MALAYSIA JABATAN MATEMATIK, SAINS DAN KOMPUTER |  | COURSE CODE/ COURSE NAME | | PBM1035 INTENSIVE MATHEMATICS | |
| | | COURSEWORK ASSESSMENT | | QUIZ 2 | |
| | | SESSION | | JUNE 2018 | |
| | | DURATION | 20 MINS | CLO1 | 10 MARKS |
| NAME | WINNIE KEDOH CHAI | | | CLO2 | |
| REGISTRATION NO. | 05111811017 | | | CLO3 | |
| PROGRAMME/ SECTION | IPP1 | TOTAL MARKS | | 10 MARKS | |

Instructions

- Answer ALL questions. Write your answers in the spaces provided.
- Show your working to get marks. No calculator is allowed for this assessment.

Question 1 [CLO1, C2]

Calculate the answer for the following question. Express your answer in the mixed fraction form.

$$\frac{5}{3} \times \frac{5}{4} \div \frac{2}{5}$$

[3 marks]

$$\frac{5 \times 4}{3 \times 4} \times \frac{5 \times 3}{4 \times 3} = \frac{20}{12} \times \frac{15}{12} = \frac{20 \times 15}{12}$$

$$= \frac{30}{12}$$

$$\frac{30}{12} \times \frac{2}{5} = \frac{12}{2} \times \frac{30}{5} = \frac{360}{10} = 36$$

Question 2 [CLO1, C2]

Solve $78.12 \div 0.84$.

[3 marks]

$$\begin{array}{r} 93 \\ 84 \overline{) 7812} \\ \underline{-756} \\ 252 \\ \underline{-252} \\ 0 \end{array}$$

$$= 93$$

Question 3 [CLO1, C2]


- (a) The cost of a shirt is increased from RM20 to RM25. What is the percentage change?
- (b) A used car dealer has the following information for two months of sales:
 Month 1: 239 cars sold
 Month 2: 324 cars sold
 What is the percentage change?

$$a) \frac{20 \times 25}{100} = 5$$

$$25 - 20 = 5$$

$$b. \frac{239 - 324}{100} \times 60$$

$$= 51$$

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|  KEMENTERIAN PENDIDIKAN MALAYSIA | |  POLITEKNIK MALAYSIA | | COURSE CODE/ COURSE NAME | | PBM1035 INTENSIVE MATHEMATICS | |
| JABATAN MATEMATIK, SAINS DAN KOMPUTER | | | | COURSEWORK ASSESSMENT | | QUIZ 2 | |
| | | | | SESSION | | JUNE 2018 | |
| NAME | | NURZATUL NAFISA BT FORKAN | | DURATION | 20 MINS | CLO1 | 10 MARKS |
| REGISTRATION NO. | | 051PP13F1024 | | | | CLO2 | |
| PROGRAMME/ SECTION | | IPP1 | | | | CLO3 | |
| | | | | TOTAL MARKS | | 10 MARKS | |

Instructions

- Answer ALL questions. Write your answers in the spaces provided.
- Show your working to get marks. No calculator is allowed for this assessment.

Question 1 [CLO1, C2]

Calculate the answer for the following question. Express your answer in the mixed fraction form.

$$\frac{5}{3} \times \frac{5}{4} \div \frac{2}{5}$$

[3 marks]

$$\frac{5}{4} \div \frac{2}{5}$$

$$\frac{4}{5} \times \frac{5}{2}$$

$$\frac{20}{10}$$

$$\frac{20}{10} \times \frac{5}{3}$$

$$\frac{100}{30}$$

$$\frac{50}{15}$$

Question 2 [CLO1, C2]

Solve $78.12 \div 0.84$.

[3 marks]

$$0.84$$

$$\begin{array}{r} 00.93 \\ 84 \overline{) 78.12} \\ \underline{00} \downarrow \\ 781 \\ \underline{756} \downarrow \\ 252 \\ \underline{252} \\ 0 \end{array}$$

$$= 00.93$$

Question 3 [CLO1, C2]

Old New

(a) The cost of a shirt is increased from RM20 to RM25. What is the percentage change?

(b) A used car dealer has the following information for two months of sales:

Month 1: 239 cars sold

Month 2: 324 cars sold

What is the percentage change?

(a)

$$\text{Old} = 20$$

$$\text{New} = 25$$

$$\frac{25 - 20}{20} \times 100$$



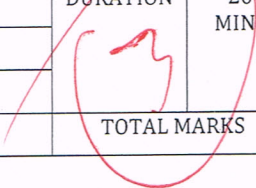
$$\frac{RM25 - RM20}{RM20} \times 100$$

$$(b) \frac{324 - 239}{239} \times 100$$

$$= \frac{85}{239} \times 100$$

[4 marks]

But the answer is 35.56%

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| | | COURSEWORK ASSESSMENT | | QUIZ 2 | |
| | | SESSION | | JUNE 2018 | |
| | | DURATION | 20 MINS | CLO1 | 10 MARKS |
| NAME | ANDREA FOSTER |  | | CLO2 | |
| REGISTRATION NO. | 051PP18F1014 | | | CLO3 | |
| PROGRAMME/ SECTION | IPP1 | | | TOTAL MARKS | |
| | | | | 10 MARKS | |

Instructions

- Answer ALL questions. Write your answers in the spaces provided.
- Show your working to get marks. No calculator is allowed for this assessment.

Question 1 [CLO1, C2]

Calculate the answer for the following question. Express your answer in the mixed fraction form.

$$\frac{5}{3} \times \frac{5}{4} \div \frac{2}{5}$$

$$= \frac{5}{3} \times \frac{5}{4} \div \frac{2}{5}$$

$$= \frac{25}{12} \div \frac{2}{5}$$

$$= 5 \frac{5}{24}$$

[3 marks]

Question 2 [CLO1, C2]

Solve $78.12 \div 0.84$.

$$= 78.12 \div 0.84$$

$$= 93$$

[3 marks]

Question 3 [CLO1, C2]

- (a) The cost of a shirt is increased from RM20 to RM25. What is the percentage change?
- (b) A used car dealer has the following information for two months of sales:
 Month 1: 239 cars sold
 Month 2: 324 cars sold
 What is the percentage change?

[4 marks]



a. $\frac{25}{20} \times 100\%$

$$= 1.25$$

$$= 5$$

b. $\frac{324}{239} \times 100\%$

$$= 1 \frac{85}{239}$$

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| | | COURSEWORK ASSESSMENT | | QUIZ 2 | |
| | | SESSION | | JUNE 2018 | |
| | | DURATION | 20 MINS | CLO1 | 10 MARKS |
| NAME | Alleycia feline | | | CLO2 | |
| REGISTRATION NO. | 051PP18F1013 | | | CLO3 | |
| PROGRAMME/ SECTION | IPP1 | TOTAL MARKS | | 10 MARKS | |

Instructions

- Answer ALL questions. Write your answers in the spaces provided.
- Show your working to get marks. No calculator is allowed for this assessment.

Question 1 [CLO1, C2]

Calculate the answer for the following question. Express your answer in the mixed fraction form.

$$\frac{5}{3} \times \frac{5}{4} \div \frac{2}{5}$$

[3 marks]

$$\frac{5}{3} \times \frac{5}{4} = 2 \frac{1}{12}$$

$$2 \frac{1}{12} \div \frac{2}{5} = 5 \frac{5}{24}$$

3

Question 2 [CLO1, C2]

Solve $78.12 \div 0.84$.

$$78.12 = 7812$$

$$0.84 = 84$$

$$\begin{array}{r} 9 \\ 0.84 \overline{) 78.12} \\ \underline{72} \\ 6 \end{array}$$

$$= 0.93$$

$$\begin{array}{r} 0.93 \\ 0.84 \overline{) 78.12} \\ \underline{72} \\ 6 \\ \underline{6} \\ 12 \\ \underline{12} \end{array}$$

[3 marks]

Question 3 [CLO1, C2]

- (a) The cost of a shirt is increased from RM20 to RM25. What is the percentage change?
- (b) A used car dealer has the following information for two months of sales:
 Month 1: 239 cars sold
 Month 2: 324 cars sold
 What is the percentage change?

[4 marks]

a)

$$\frac{25 - 20}{20} \times 100 = 25\%$$

Percentage change = 25%



25
- 20
5 increase

b)

$$\frac{324 - 239}{239} \times 100 = 35.6\%$$

Percentage change = 35.6%

324
- 239
85

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|  KEMENTERIAN PENDIDIKAN MALAYSIA | |  | | COURSE CODE/ COURSE NAME | | PBM1035 INTENSIVE MATHEMATICS | |
| | | | | COURSEWORK ASSESSMENT | | QUIZ 2 | |
| | | | | SESSION | | JUNE 2018 | |
| | | | | DURATION | 20 MINS | CLO1 | 10 MARKS |
| NAME | | victoria yung sallav | | | | CLO2 | |
| REGISTRATION NO. | | 051PP18F1067 | | | | CLO3 | |
| PROGRAMME/ SECTION | | IPP1 | | TOTAL MARKS | | 10 MARKS | |

Instructions

- Answer ALL questions. Write your answers in the spaces provided.
- Show your working to get marks. No calculator is allowed for this assessment.

Question 1 [CLO1, C2]

Calculate the answer for the following question. Express your answer in the mixed fraction form.

$$\frac{5}{3} \times \frac{5}{4} \div \frac{2}{5}$$

[3 marks]

$$\begin{aligned} \frac{5}{4} \div \frac{2}{5} &= \frac{5 \times 5}{4 \times 2} = \frac{25}{8} \\ \frac{25}{8} \times \frac{5}{3} &= \frac{125}{24} = 5 \frac{5}{24} \end{aligned}$$

Question 2 [CLO1, C2]

Solve $78.12 \div 0.84$.

[3 marks]

$$78.12 \div 0.84 = 7812 \div 84 = 93$$

$$\begin{array}{r} 93 \\ 84 \overline{) 7812} \\ \underline{-756} \\ 252 \\ \underline{-252} \\ 0 \end{array}$$



Question 3 [CLO1, C2]

- (a) The cost of a shirt is increased from RM20 to RM25. What is the percentage change?
- (b) A used car dealer has the following information for two months of sales:
Month 1: 239 cars sold
Month 2: 324 cars sold
What is the percentage change?

[4 marks]

$$\begin{aligned} \frac{25-20}{20} \times 100 &= \frac{5}{20} \times 100 \\ &= 25\% \end{aligned}$$

$$\begin{aligned} \frac{324-239}{239} \times 100 &= \frac{85}{239} \times 100 \\ &= 35.56\% \end{aligned}$$

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| | | COURSEWORK ASSESSMENT | | QUIZ 2 | |
| | | SESSION | | JUNE 2018 | |
| | | DURATION | 20 MINS | CLO1 | 10 MARKS |
| NAME | Mirza Daulaikhya Bt ERLAN Zamri | | | CLO2 | |
| REGISTRATION NO. | 051PP18F1001 | | | CLO3 | |
| PROGRAMME/ SECTION | IPP1 | TOTAL MARKS | | 10 MARKS | |

Instructions

- Answer ALL questions. Write your answers in the spaces provided.
- Show your working to get marks. No calculator is allowed for this assessment.

Question 1 [CLO1, C2]

Calculate the answer for the following question. Express your answer in the mixed fraction form.

$$\frac{5}{3} \times \frac{5}{4} \div \frac{2}{5} = 5 \frac{5}{24}$$

$$\frac{25}{12} \div \frac{2}{5} = 5.21$$

$$\frac{12.5}{2.4}$$

Handwritten calculations show the result as $5 \frac{5}{24}$ and 5.21 . A large red circle with the number 3 is drawn around the work.

[3 marks]

Question 2 [CLO1, C2]

Solve $78.12 \div 0.84$.

$$\begin{array}{r} 0.93 \\ 84 \overline{) 78.12} \\ \underline{- 0} \\ 78.12 \\ \underline{- 75.6} \\ 2.52 \\ \underline{- 2.52} \\ 0 \end{array}$$

Handwritten long division shows the result as 0.93.

[3 marks]

Question 3 [CLO1, C2]

- (a) The cost of a shirt is increased from RM20 to RM25. What is the percentage change?
- (b) A used car dealer has the following information for two months of sales:
Month 1: 239 cars sold
Month 2: 324 cars sold
What is the percentage change?

a)

$$\frac{\text{RM25} - \text{RM20}}{\text{RM20}} \times 100$$

$$\frac{500}{2000} = 25\%$$



Handwritten calculation shows the result as 25%.

$$\frac{324 - 239}{239} \times 100$$

$$\frac{8500}{239} = 35.56\%$$

Handwritten calculation shows the result as 35.56%.

[4 marks]

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| | | COURSEWORK ASSESSMENT | | QUIZ 2 | |
| | | SESSION | | JUNE 2018 | |
| | | DURATION | 20 MINS | CLO1 | 10 MARKS |
| NAME | MCLAREN EVAN | | | CLO2 | |
| REGISTRATION NO. | 051PP18F1004 | | | CLO3 | |
| PROGRAMME/ SECTION | IPP1 | TOTAL MARKS | | 10 MARKS | |

Instructions

- Answer ALL questions. Write your answers in the spaces provided.
- Show your working to get marks. No calculator is allowed for this assessment.

Question 1 [CLO1, C2]

Calculate the answer for the following question. Express your answer in the mixed fraction form.

$$\frac{5}{3} \times \frac{5}{4} \div \frac{2}{5}$$

[3 marks]

$$= \frac{5}{3} \times \frac{5}{4} \div \frac{2}{5}$$

$$= \frac{125}{24}$$

$$= 5\frac{5}{24}$$

$$\begin{array}{r} 5 \\ 24 \overline{) 125} \\ \underline{120} \\ 5 \end{array}$$

Question 2 [CLO1, C2]

Solve $78.12 \div 0.84$.

$$78.12 \div 0.84$$

$$7812 \div 84$$

$$\begin{array}{r} 93 \\ 84 \overline{) 7812} \\ \underline{756} \\ 252 \\ \underline{252} \\ 0 \end{array}$$

[3 marks]

Question 3 [CLO1, C2]

- The cost of a shirt is increased from RM20 to RM25. What is the percentage change?
- A used car dealer has the following information for two months of sales:
Month 1: 239 cars sold
Month 2: 324 cars sold
What is the percentage change?

[4 marks]

$$(a) = \frac{25-20}{20} \times 100\%$$



$$= \frac{5}{20} \times 100\%$$

$$= 25\% \text{ increase}$$

$$(b) = \frac{324-239}{239} \times 100\%$$

$$= \frac{85}{239} \times 100\%$$

$$\frac{\text{New} - \text{old}}{\text{old}} \times 100\%$$

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| JABATAN MATEMATIK, SAINS DAN KOMPUTER | | | | COURSEWORK ASSESSMENT | | QUIZ 2 | |
| | | | | SESSION | | JUNE 2018 | |
| | | | | DURATION | 20 MINS | CLO1 | 10 MARKS |
| NAME | | Nur Annabti Adzahan | | | | CLO2 | |
| REGISTRATION NO. | | 051818F1023 | | | | CLO3 | |
| PROGRAMME/ SECTION | | IPP1 | | TOTAL MARKS | | 10 MARKS | |

Instructions

- Answer ALL questions. Write your answers in the spaces provided.
- Show your working to get marks. No calculator is allowed for this assessment.

Question 1 [CLO1, C2]

Calculate the answer for the following question. Express your answer in the mixed fraction form.

$$\frac{5}{3} \times \frac{5}{4} \div \frac{2}{5}$$

$$= 5.208$$

$$= 5 \frac{5}{24}$$

$$= 12.5 \div 2.4$$

[3 marks]

Question 2 [CLO1, C2]

Solve $78.12 \div 0.84$.

$$84 \overline{) 78.12}$$

$$\underline{756}$$

$$252$$

$$\underline{252}$$

$$0$$

$$= 93$$

[3 marks]

Question 3 [CLO1, C2]

- (a) The cost of a shirt is increased from old RM20 to new RM25. What is the percentage change?
- (b) A used car dealer has the following information for two months of sales:
 Month 1: 239 cars sold old
 Month 2: 324 cars sold new
 What is the percentage change?



(a) $\frac{25-20}{20} \times 100$

(b) $\frac{324-239}{239} \times 100$

$\frac{5}{20} \times 100 = 25\%$

$\frac{85}{239} \times 100 = 35.56\%$

[4 marks]

| | | | | | |
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| | | COURSEWORK ASSESSMENT | | QUIZ 2 | |
| | | SESSION | | JUNE 2018 | |
| | | DURATION | 20 MINS | CLO1 | 10 MARKS |
| NAME | Anna Nur syahidq | | | CLO2 | |
| REGISTRATION NO. | 051PP18F1020 | | | CLO3 | |
| PROGRAMME/ SECTION | IPP1 | TOTAL MARKS | | 10 MARKS | |

Instructions

- Answer ALL questions. Write your answers in the spaces provided.
- Show your working to get marks. No calculator is allowed for this assessment.

Question 1 [CLO1, C2]

Calculate the answer for the following question. Express your answer in the mixed fraction form.

$$\frac{5}{3} \times \frac{5}{4} \div \frac{2}{5}$$

[3 marks]

$$\begin{aligned} \frac{5}{3} \times \frac{5}{4} \div \frac{2}{5} &= \left(\frac{5}{3} \times \frac{5}{4} \right) \times \frac{5}{2} \\ &= \frac{25}{12} \times \frac{5}{2} \\ &= \frac{125}{24} \end{aligned}$$

Question 2 [CLO1, C2]

Solve $78.12 \div 0.84$.

[3 marks]

$$\begin{array}{r} 78.12 \div 0.84 \\ \underline{84 \overline{) 78.12}} \\ - 0 \\ \hline 78 \\ - 78 \\ \hline 0 \\ - 0 \\ \hline 0 \\ - 0 \\ \hline 0 \end{array}$$

Question 3 [CLO1, C2]

- (a) The cost of a shirt is increased from RM20 to RM25. What is the percentage change?
- (b) A used car dealer has the following information for two months of sales:
 Month 1: 239 cars sold
 Month 2: 324 cars sold
 What is the percentage change?

[4 marks]

a)

$$\begin{aligned} \text{old} &= \text{RM}20 \\ \text{New} &= \text{RM}25 \end{aligned}$$

b)

$$\begin{aligned} \text{old} &= 239 \\ \text{new} &= 324 \end{aligned}$$

$$\frac{\text{RM}25 - \text{RM}20}{\text{RM}20} \times 100$$

$$\begin{aligned} \frac{324 - 239}{239} \times 100 \\ = 35.56\% \end{aligned}$$