

PBM1035 Intensive Mathematics

Good 15/1/17

Self - Exercise 4

Instructions

- Answer All questions. Write your answer in the spaces provided.
- Show your working. You may use a non-programmable scientific calculator.

Solve each problem manually!

1) $74 - 36.2 = 37.8$

$$\begin{array}{r} 6 \overset{13}{14} \overset{10}{.8} \\ - 36.2 \\ \hline 37.8 \\ = 37.8 \end{array}$$

2) $8.176 \div 0.56 = 14.6$

$$\begin{array}{r} 0.56 \overline{) 8.176} \\ \underline{56} \\ 257 \\ \underline{224} \\ 336 \\ \underline{336} \\ 0 \end{array}$$

3) $51.079 - 15.564 = 35.515$

$$\begin{array}{r} 4 \overset{10}{51} \overset{10}{.079} \\ - 15.564 \\ \hline 35.515 \end{array}$$

4) $14.402 + 6.4 = 20.802$

$$\begin{array}{r} 14.402 \\ + 6.400 \\ \hline 20.802 \end{array}$$

6) $97.5 - 81.25 = 16.25$

$$\begin{array}{r} 97.50 \\ - 81.25 \\ \hline 16.25 \end{array}$$

5) $58.41 + 6.895 = 65.305$

$$\begin{array}{r} 58.410 \\ + 6.895 \\ \hline 65.305 \end{array}$$

7) $6.209 \times 4.4 = 27.3196$

$$\begin{array}{r}
 6.209 \\
 \times 4.4 \\
 \hline
 24836 \\
 24836 \\
 \hline
 27.3196
 \end{array}$$

8) $4.46 \times 3.6 = 16.056$

$$\begin{array}{r}
 4.46 \\
 \times 3.6 \\
 \hline
 2676 \\
 1338 \\
 \hline
 16.056
 \end{array}$$

9) $34.9 + 59.089 = 93.989$

$$\begin{array}{r}
 34.900 \\
 + 59.089 \\
 \hline
 93.989
 \end{array}$$

$= 93.989$

10) $2.9 \times 3.23 = 9.367$

$$\begin{array}{r}
 2.9 \\
 \times 3.23 \\
 \hline
 87 \\
 58 \\
 187 \\
 \hline
 9.367
 \end{array}$$

$= 9.367$

11) $4.914 \div 0.13 =$

$0.13 \overline{) 4.914}$

$$\begin{array}{r}
 37.8 \\
 13 \overline{) 491.4} \\
 \underline{39} \\
 101 \\
 \underline{91} \\
 104 \\
 \underline{104}
 \end{array}$$

$= 37.8$

12) $93.6 \div 3.6 =$

$3.6 \overline{) 93.6}$

$$\begin{array}{r}
 26 \\
 36 \overline{) 936} \\
 \underline{72} \\
 216 \\
 \underline{216}
 \end{array}$$

$= 26$

13) $8.176 \div 0.56 = 14.6$

$$\begin{array}{r} 0.56 \overline{) 8.176} \\ \downarrow \\ 14.6 \end{array}$$

$$\begin{array}{r} 56 \overline{) 817.6} \\ 56 \\ \hline 257 \\ 224 \\ \hline 336 \\ 336 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 156 \\ 2112 \\ 3168 \\ 4224 \\ 5280 \\ 6336 \\ 7392 \end{array}$$

14) $14.302 + 16.709 = 31.011$

$$\begin{array}{r} 14.302 \\ + 16.709 \\ \hline 31.011 \end{array}$$

15) $2 \times 8.38 = 16.76$

$$\begin{array}{r} 8.38 \\ \times 2 \\ \hline 16.76 \end{array}$$

16) $20.65 \div 59 = 0.35$

$$\begin{array}{r} 0.35 \\ 59 \overline{) 20.65} \\ 0 \\ \hline 177 \\ 295 \\ 295 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 1-59 \\ 2-118 \\ 3-177 \\ 4-236 \\ 5-295 \end{array}$$

17) $78.38 - 34.772 = 43.608$

$$\begin{array}{r} 78.38 \\ - 34.772 \\ \hline 43.608 \end{array}$$

18) $8.256 \div 0.16 = 51.6$

$$\begin{array}{r} 0.16 \overline{) 8.256} \\ \downarrow \\ 51.6 \end{array}$$

$$\begin{array}{r} 116 \\ 232 \\ 348 \\ 464 \\ 580 \\ 696 \\ 812 \\ 928 \end{array}$$

$$19) 92 - 53.3 = 38.7$$

$$20) 9.41 \times 4.8 = 45.168$$

$$\begin{array}{r} 92 \\ - 53.3 \\ \hline 38.7 \end{array}$$

$$= 38.7 \times 10.18 =$$

$$\begin{array}{r} 9.41 \\ \times 4.8 \\ \hline 75.28 \\ 376.4 \\ \hline 45.168 \end{array}$$

$$= 45.168 \times$$

$$25.18 \times 10.18$$

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