

Week beginning 23.3.20 – Maths Answers

Monday

Sheet 1:

1. A. $1,113 \times 22 = 24,486$; B. $1,112 \times 23 = 25,576$. Calculation B has the larger answer.
2. No, Sheraz is incorrect. The correct answer is $96,472\text{cm}^2$.
3. A. 28,873; B. 14,676; C. 29,568. Various explanations for which is the odd one out, for example: A is the odd one out because the answer is an odd number. The answers to B and C are both even numbers. C is the odd one out because it is a multiple of 3; A and B aren't.

Sheet 2:

4. A. $7,141 \times 16 = 114,256$; B. $6,141 \times 17 = 104,397$. Calculation A has the larger answer.
5. No, Kaidi is incorrect. The correct answer is $52,836\text{cm}^2$.
6. A. 26,832; B. 44,331; C. 195,672. Various explanations for which is the odd one out, for example: C is the odd one out because the answer is a 6-digit number. The answers to A and B are both 5-digit numbers.

Sheet 3:

7. A. $6,231 \times 21 = 130,851$; B. $3,804 \times 32 = 121,728$. Calculation A has the larger answer.
- 8.

		2	3	0	6
x				4	9
	2	0	7	5	4
		2		5	
	9	2	2	4	0
	1	1	2	9	9

Ali found the area of roll B.

9. Various answers where calculation A has an even 6-digit number as the answer, for example:
A. $4,427 \times 34 = 150,518$; B. $4,427 \times 13 = 57,551$; C. $4,427 \times 15 = 66,405$
A. $4,421 \times 34 = 150,314$; B. $4,421 \times 17 = 75,157$; C. $4,421 \times 21 = 92,841$
A. $5,781 \times 18 = 104,058$; B. $5,781 \times 11 = 63,591$; C. $5,781 \times 13 = 75,153$

Tuesday

Various answers, depending on divisors and dividends used.

Wednesday

1. A - E and H
B - F and I
C - D and G

2. a) 1172 b) 907 c) 1302 d) 1151
3. Fernando has not regrouped correctly. When he did 2 (thousands) divided by 8, he should have regrouped the two thousands for 20 hundreds and written 24 hundreds. The same error has occurred with the remaining hundreds being regrouped for tens. The correct working and answer is as follows:

$$\begin{array}{r}
 3 1 2 \\
 8 \overline{) 2 24 9 16} \\
 \hline
 2 24 9 16 \\
 0 0 0 0
 \end{array}$$

4.

$$\begin{array}{r}
 2 3 1 6 \\
 4 \overline{) 9 2 6 4} \\
 \hline
 9 2 6 4 \\
 0 0 0 0
 \end{array}$$

Thursday

1. A - D and F
B - C and E
2. a) 615 b) 614 c) 615 trays are needed to pack all the muffins into, because $2459 \div 4 = 614 \text{ r}3$, so an extra tray is needed for the remaining 3 muffins. 614 trays will be full and 1 will only have 3 muffins in.
3. Stories will vary
4. Answers will vary. Reasoning may include spotting multiples of 5 or identifying odd and even numbers.