

## Week 12 Maths Answers

### Lesson 1

5a. **False, the correct answer is 1,012**

6a.

			4	3	
x			3	5	
		2	1	5	(5 x 43)
	1	2	9	0	(30 x 43)
	1	5	0	5	
		1			

5b. **False, the correct answer is 1,904**

6b.

			6	3	
x			2	5	
		3	1	5	(5 x 63)
	1	2	6	0	(20 x 63)
	1	5	7	5	

7a. **567**

7b. **572**

### Challenge

4a. **Various answers, for example:**

$$25 \times 71 = 1,775; 51 \times 27 = 1,377$$

5a. **The number could be 20 or 22:**

$$33 \times 20 = 660 \text{ or } 33 \times 22 = 726$$

### Lesson 2

4a. **6,804**

5a. **A. 4,242; B. 3,792.**

**The larger answer is A.**

4b. **11,730**

5b. **A. 6,912; B. 7,245.**

**The larger answer is B.**

6a. **7686**

6b. **11,270**

### Challenge

4a. **Jess is correct.  $312 \times 14 = 4,368$**

5a. **Various possible answers where the total is less than 8,160, for example:**

$$154 \times 24 = 3,696$$

### Lesson 3

4a.  $3,802 \times 23 = 87,446$

5a. A and 3; B and 1; C and 4; D and 2

6a. False,  $7,121 \times 32 = 227,872$  and  
 $7,132 \times 21 = 149,772$  therefore  
 $7,121 \times 32 > 7,132 \times 21$ .

4b.  $6,124 \times 31 = 189,844$

5b. A and 4; B and 2; C and 1; D and 3

6b. True

### Challenge

5a.  $1,422 \times 12 = 17,064$

6a. No, he is not correct because  
 $\pounds 1,419 \times 23 = \pounds 32,637$ .

### Lesson 4

4a. False,  $4,812 \div 4 = 1,203$

5a. 401

6a. 477

4b. True

5b. 1,102

6b. 325

### Challenge

4b. Alice is correct because  $2,405 \div 5 = 481$ ,  $2,979 \div 9 = 331$  and  $481 > 331$ .

5b. Josh forgot to exchange 3 tens. The correct answer is 1,916.

### Lesson 5

4a.  $1,077 \text{ r}1$

5a. False. The answer is 1,104.

6a.  $A = 1,053$

4b.  $1,090 \text{ r}2$

5b. True. The answer is 1,033 r3.

6b.  $B = 1,082$

### Challenge

5b.  $9,621 \div 8 = 1,202 \text{ r}5$ , 1,203 boxes will be needed.

6b.  $3,544 \div 7 = 506 \text{ r}2$