

Week 12

Lesson 1

5a. True or false? $44 \times 23 = 912$

			4	4	
x			2	3	
<hr/>					
		1	3	2	(3 x 44)
		8	8	0	(20 x 44)
<hr/>					
		9	1	2	
<hr/>					
		1			



VF

5b. True or false? $56 \times 34 = 1,094$

			5	6	
x			3	4	
<hr/>					
		2	2	4	(4 x 56)
	1	6	8	0	(30 x 56)
<hr/>					
	1	0	9	4	
<hr/>					
		1			



VF

6a. Complete the calculation below.

			4	3	
x			3	5	
<hr/>					
					(5 x 43)
					(30 x 43)
<hr/>					
<hr/>					



VF

6b. Complete the calculation below.

			6	3	
x			2	5	
<hr/>					
					(5 x 63)
					(20 x 63)
<hr/>					
<hr/>					



VF

Using a formal method solve:

7a. 27×21

7b. 22×26

Challenge

4a. Multiply 2 digits by 2 digits using the cards below to create an odd number.

					2
x					5
<hr/>					7
					1
<hr/>					
<hr/>					

PS



5a. Xavier is thinking of a number...



I multiply the number by 33. The answer is even and is greater than 650 but smaller than 750.

What could Xavier's number be?
Find all the possibilities.

Lesson 2

4a. Use the formal multiplication method to complete the calculation below.

			1	6	2
x			4	2	
<hr/>					
<hr/>					
<hr/>					



$162 \times 42 = \boxed{}$

VF

4b. Use the formal multiplication method to complete the calculation below.

			3	4	5
x			3	4	
<hr/>					
<hr/>					
<hr/>					



$345 \times 34 = \boxed{}$

VF

5a. Complete the calculations below.

A.

		1	0	1
x		4	2	
<hr/>				
<hr/>				
<hr/>				

B.

		3	1	6
x		1	2	
<hr/>				
<hr/>				
<hr/>				



Which has the larger answer?

VF

5b. Complete the calculations below.

A.

		2	1	6
x		3	2	
<hr/>				
<hr/>				
<hr/>				

B.

		2	0	7
x		3	5	
<hr/>				
<hr/>				
<hr/>				



Which has the larger answer?

VF

Using a formal method solve:

6a. 122×63

6b. 245×46

Challenge

4a. Molly and Jess are working on the same calculation. They get different answers.

Molly				
		3	1	2
x			1	4
<hr/>				
	1	2	4	8
		3	1	2
<hr/>				
	1	5	5	0
<hr/>				

Jess				
		3	1	2
x			1	4
<hr/>				
	1	2	4	8
		3	1	2
<hr/>				
	4	3	6	8
<hr/>				



Who is correct?

PS

5a. Complete the calculations so that calculation B is less than calculation A.

A.				
		5	1	0
x			1	6
<hr/>				
<hr/>				
<hr/>				

B.				
		<input type="text"/>	<input type="text"/>	<input type="text"/>
x			<input type="text"/>	<input type="text"/>
<hr/>				
<hr/>				
<hr/>				

Lesson 3

4a. Solve the calculation using a formal multiplication method.

		3	8	0	2
x			2	3	
<hr/>					
<hr/>					
<hr/>					

4b. Solve the calculation using a formal multiplication method.

		6	1	2	4
x			3	1	
<hr/>					
<hr/>					
<hr/>					

5a. Match the calculations to the correct answers.

- A. $4,242 \times 23$ 1. $50,904$
- B. $4,242 \times 12$ 2. $77,064$
- C. $2,424 \times 25$ 3. $97,566$
- D. $6,422 \times 12$ 4. $60,600$



VF

5b. Match the calculations to the correct answers.

- A. $3,212 \times 34$ 1. $78,608$
- B. $2,312 \times 25$ 2. $57,800$
- C. $2,312 \times 34$ 3. $48,180$
- D. $3,212 \times 15$ 4. $109,208$



VF

6a. True or false?

$$7,121 \times 32 = 7,132 \times 21$$

6b. True or false?

$$2,112 \times 34 < 3,322 \times 22$$

Challenge

5a. Use two of the digit cards to create a multiplication that equals approximately 17,000.

$$1,422 \quad \times \quad \underline{\hspace{2cm}}$$



PS

6a. A TV package costs £1,419 per house.

23 houses on Brook Street buy this package. The TV salesperson says the total cost is £32,607.

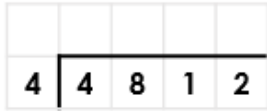


Is he correct? Explain your answer.

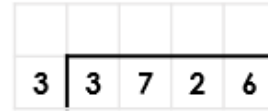


Lesson 4

4a. True or false? $4,812 \div 4 = 1,200$

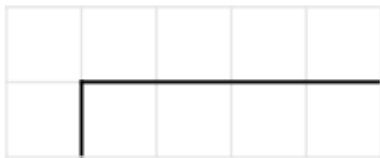


4b. True or false? $3,726 \div 3 = 1,242$



5a. Complete the calculation.

$$2,406 \div 6 = \boxed{}$$

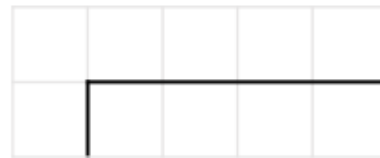


VF

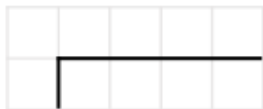
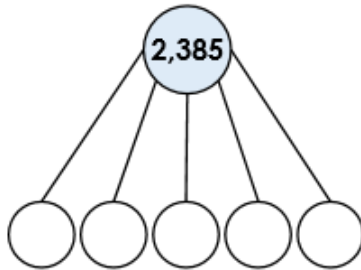


5b. Complete the calculation.

$$8,816 \div 8 = \boxed{}$$



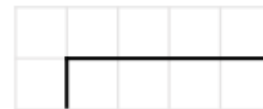
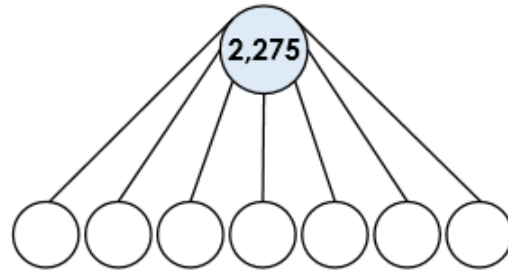
6a. The missing numbers are all equal. Complete the part-whole model.



VF



6b. The missing numbers are all equal. Complete the part-whole model.



v

Challenge

4b. Alice has written a comparison statement.

$$2,405 \div 5 > 2,979 \div 9$$

Is she correct? Explain how you know.



R

5b. Josh completes the following calculation.

	1	9	1	0
5	9	⁴ 5	8	0

Explain his mistake.

Calculate the correct answer.



Lesson 5

4a. Match the question to the correct answer.

$$6,463 \div 6$$

Thousands	Hundreds	Tens	Ones
1,000 1,000	100 100	10 10	1 1
1,000 1,000	100 100	10 10	1
1,000 1,000		10 10	

★ 1,077 r1 1,106 r3 1,077 r3 VF

4b. Match the question to the correct answer.

$$5,452 \div 5$$

Thousands	Hundreds	Tens	Ones
1,000 1,000	100 100	10 10	1 1
1,000 1,000	100 100	10 10	
1,000		10	

★ 1,092 r1 1,090 r2 1,900 r2 VF

5a. True or false? The answer to the calculation below has a remainder.

$$8,832 \div 8$$

Thousands	Hundreds	Tens	Ones
1,000 1,000	100 100	10 10	1 1
1,000 1,000	100 100	10	1 1
1,000 1,000	100 100		
1,000 1,000	100 100		

★ VF

5b. True or false? The answer to the calculation below has a remainder.

$$7,234 \div 7$$

Thousands	Hundreds	Tens	Ones
1,000 1,000	100 100	10 10	1 1
1,000 1,000			1 1
1,000 1,000			
1,000			

★ VF

6a. Calculate the value of A.

5,269					
A	A	A	A	A	4

5					

★

6b. Calculate the value of B.

3,248			
B	B	B	2

3					

★

Challenge

5b. Eggs are packed into boxes. One box holds 8 eggs. There are 9,621 eggs. How many boxes are needed to hold all the eggs?



PS

6b. Arrange the number cards below to create a calculation which has a remainder of 2. Complete the calculation.

4 5 4

							r2
	7		3				

