|

1a. Which calculation has an answer with a digit sum of 14.

A.

	1	3	8
x			2
			0
		0	0

B.

	1	1	6
x			4
			0
		0	0

1b. Which calculation has an answer with a digit sum of 12.

A.

	2	1	7
x			3
			0
		0	0

B.

	1	1	5
x			5
			0
		0	0

2a. Add the missing digit to the calculation below. Complete the place value chart to help you.

Hundreds	Tens	Ones
●●	●●●	

	2	3	☐
x			2
			8
		6	0
	4	0	0
	4	6	8

2b. Add the missing digit to the calculation below. Complete the place value chart to help you.

Hundreds	Tens	Ones
●●●●●	●●	

	5	2	☐
x			3
			3
		6	0
1	5	0	0
1	5	6	3

3a. Imran says,

> My number 2,285 is 5 times larger than 437.

Is Imran correct? Prove it.

3b. Sadia says,

> My number 1,167 is 3 times larger than 389.

Is Sadia correct? Prove it.

4a. Which calculation has an answer with a digit sum of 12.

		4	0	9
A.	x			3

		6	2	2
B.	x			4

4b. Which calculation has an answer with a digit sum of 15.

		5	3	0
A.	x			6

		3	1	8
B.	x			5

5a. Add the missing digits to the calculation below.

4	1	8	9	6

	2	2	☐
x			4
	☐	9	6

☐

5b. Add the missing digits to the calculation below.

1	7	3	5	2

	4	☐	6
x			6
☐	8	5	6

4 ☐

6a. Jack says,

> My number 3,534 is 7 times larger than 504.

Is Jack correct? Prove it.

6b. Inaaya says,

> My number 3,430 is 8 times larger than 430.

Is Inaaya correct? Prove it.

7a. Match the numbers which have an answer of 3,456.

908	3
735	8
864	6
432	4

Which numbers cannot be used?

PS

7b. Match the numbers which have an answer of 2,274.

542	3
379	7
680	5
758	6

Which numbers cannot be used?

PS

8a. Add the missing digits to the calculation below so that all exchanges are even.

	☐	5	☐
x			9
8	5	7	7
		☐	☐

PS

8b. Add the missing digits to the calculation below so that all exchanges are even.

		6	☐	4
x				7
☐		4	3	☐
		☐	2	

PS

9a. Marvin says,

My starting number was 398 and Jenny's was 590. I multiplied by 8 and Jenny made her number 4 times larger.

Jenny says,

The total of our two answers is 6,376.

Is Jenny correct? Prove it.

R

9b. Ernie says,

My starting number was 476 and Lian's was 802. I multiplied by 6 and Lian made her number 3 times larger.

Lian says,

The total of our two answers is 5,262.

Is Lian correct? Prove it.

R