

Lesson 10

Starter-

	6	5	7
X			3
<hr/>			
<hr/>			

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

**A.**

	<b>4</b>	<b>0</b>	<b>9</b>
<b>X</b>			<b>3</b>
<hr/>			
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**B.**

	<b>6</b>	<b>2</b>	<b>2</b>
<b>X</b>			<b>4</b>
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2) Which calculation has an answer with a digit sum of 15.

**A.**

	<b>5</b>	<b>3</b>	<b>0</b>
<b>X</b>			<b>6</b>
<hr/>			
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**B.**

	<b>3</b>	<b>1</b>	<b>8</b>
<b>X</b>			<b>5</b>
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3) Add the missing digits to the calculation below.

a)

**4** **1** **8** **9** **6**

	2	2	
x			4
<hr/>			
		9	6
<hr/>			

b)

**1** **7** **3** **5** **2**

	4		6
x			6
<hr/>			
	8	5	6
<hr/>			
	4		

4) Miss Jowsey says "My number, 3534, is 7 times larger than 504.

Is Miss Jowsey correct? Prove it.

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5) Miss Took says "My number, 3430, is 8 times larger than 430.

Is Miss Took correct? Prove it.

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**Challenge:**

Match the numbers which have an answer of 3456 when multiplied.

**908**

**3**

**735**

**8**

**864**

**6**

**432**

**4**

Which numbers cannot be used?

**Ultimate challenge:**

These friends are playing a game. Use the clues to help you explore what scores they could have.

**Elijah**



**There are 2-digits in my score. They add up to 9. My score is less than 40.**

**Phoebe**



**I scored 9 times more than Elijah.**

**Jakub**



**I scored 3 times more than Phoebe.**

**Maryam**



**I won because I scored 7 times more than Phoebe's score.**

Elijah-

Phoebe-

Jakub-

Maryam-

## Ultimate challenge answers-

There could be various answers- some of the answers could be...

Elijah - 36 points,

Phoebe - 324 points,

Jakub - 972 points,

Maryam - 2,268 points.