

 E-Classroom		NAME:			
		Gr 8		Date:	
CAPS Reference	1-1 Whole Numbers (Term 1)				
Topic	1-1-2 Properties of whole numbers				



1. Think First! [10 mins]

Complete this table by doing the calculations either in your head or using your calculator.

	Pair of Numbers	Add the pair	Subtract the pair	Multiply the pair	Divide the pair	Actions that give the same answer
1.1	4 and 8					Adding and Multiplying
	8 and 4					
1.2	45 and 10					
	10 and 45					
1.3	36 and 9					
	9 and 36					

2. Got it? [5 mins]



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Changing the order in which we add, subtract, multiply or divide groups of numbers is called the **Commutative Law**.

The order in which we add groups of numbers does not matter. The answer is the same no matter the order in which we add the numbers.

The **Commutative Law** holds for addition.

2.1 Does the commutative law hold or not for subtraction, multiplication and division?

2.2 Look up the meaning of the word **commute** in your dictionary.

2.3 Look up the meaning of the word **commutative** in a mathematics dictionary.

2.4 Are the meanings similar?

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3. Go ahead! [10 mins]

Without first calculating, say which of the letters (a, b or c) in each group of numbers will give the same answer. Check with your calculator.

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|-----|--------------------------|--------------------------|--------------------------|
| 3.1 | a. $60 + 7 + 13$ | b. $7 + 13 + 60$ | c. $60 - 13 + 7$ |
| 3.2 | a. $11 + 10 + 20$ | b. $20 - 11 + 10$ | c. $10 + 11 + 20$ |
| 3.3 | a. $3 \times 6 \times 4$ | b. $6 \times 4 \times 3$ | c. $4 \times 3 \times 6$ |
| 3.4 | a. $50 \div 2 + 6$ | b. $50 \times 2 + 6$ | c. $50 + 2 \times 6$ |



4. Check your work! [5 mins]