

Master Maths 10 Worksheet 1

Numbers

1

Name: _____

DO NOT USE A CALCULATOR

1. Match the following symbols with the number sets listed below.

W I Q R N Z

- The set of real numbers
- The set of integers
- The set of whole numbers
- The set of irrational numbers
- The set of natural numbers
- The set of rational numbers

2. State if the following statements are true(T) or false(F).

- (a) $7 \in I$ (b) $-8 \in N$ (c) $\frac{7}{5} \in Q$
- (d) $\sqrt{5} \in R$ (e) $6.7 \in Z$ (f) $-2 \in Q$
- (g) $0 \in W$ (h) $5.2 \in N$ (i) $\frac{6}{7} \in I$

3. Choose **all** the numbers from the following group that would make the statements below correct.

7, -8, 3.4, -1.9, $\sqrt{6}$, $\frac{9}{5}$, π , 0

- (a) { } $\subset N$
- (b) { } $\subset W$
- (c) { } $\subset I$
- (d) { } $\subset Q$
- (e) { } $\subset R$
- (f) { } $\subset Z$

4. Add 1000 to the following numbers.

(a) 56 782 (b) 239 108 (c) 1 999 610

5. Subtract 100 to the following numbers.

(a) 8765 (b) 30 061 (c) 410 073

6. Round the following numbers to the nearest 100.

(a) 7671 (b) 29 959 (c) 523 949

7. Solve the following problems. Remember BODMAS

(a) $8 \times 3 - 16 \div 8$ (b) $5 \times (4 + 8) \div 2 \times 3$

(c) $\frac{1}{2}$ of $(8 + 6) + 2 \times (3 + 5 - 2 + 6) - 5 \times 4$

8. Write 7056 as a product of its prime factors in index form.

9. Complete the following table showing conversions between numbers and roman numerals.

Number	Roman Numeral
157	
2743	
2938	
	CCXCII
	MDCIX
	MMCMLXXIV