

Entrance to Grade 9 - Essential Mathematics (MAT1L)

Scrap paper is available but write your final solution clearly in the space provided

1. Subtract. $5\frac{1}{3} - 2\frac{1}{2}$ [A] $\frac{11}{12}$ [B] $-1\frac{1}{6}$ [C] $4\frac{11}{12}$ [D] $2\frac{5}{6}$

2. Complete the tables.

a)

a	$a + 3$
2	
1	
0	
-1	
-2	

b)

x	$(-1) + x$
2	
1	
0	
-1	
-2	

3. Add. $(-5) + (+7) + (-8)$ [A] 20 [B] -6 [C] 6 [D] -4

4. Simplify.

a) $\frac{(-2)(+6)}{(-4)}$

b) $\frac{4(+9)}{(-6)(+2)}$

c) $\frac{(-75)}{(-15)(+5)}$

d) $\frac{9(-7)}{(-3)(+3)}$

5. Add. $(-3) + (-19)$

6. Write $8\frac{3}{4}\%$ as a decimal.

7. Complete the table.

	Percent	Fraction Out of 100	Decimal
a)	700%		
b)	225%		
c)		$\frac{154}{100}$	
d)			3.69

8. Which rational number has a numerator less than -1 and a denominator greater than 1?

[A] $\frac{-9}{9}$

[B] $\frac{-3}{1}$

[C] $\frac{-6}{-2}$

[D] $\frac{-1}{4}$