

## SUMMER QUIZ 01

Form 1 Summer Course  
Directed Number

### Part A – MC (@2 marks)

1.	C	$[(-5) - (-3) + 2] \times (-1)$ $= (-5 + 3 + 2) \times (-1)$ $= 0 \times (-1)$ $= 0$
2.	B	$(-6) \times 3 + [(-9) \times (-5) - (-10)]$ $= -18 + (45 + 10)$ $= -18 + 55$ $= 37$
3.	C	$-3^2 + (-1)^2 \times (-4)^2 \div (-2)^2$ $= -9 + (1 \times 16 \div 4)$ $= -9 + 4$ $= -5$
4.	A	$-0.4 < -\frac{3}{8} < 38$
5.	B	
6.	D	

1. C      2. B      3. C      4. A      5. B  
6. D

### Part B – Short Questions

1. (a)  $(-4)(2) + (-3)^2 + (-5)$   
 $= -8 + 9 - 5$       1M for  $(-3)^2 = 9$   
 $= -4$       1A  
 (2)

$$(b) \frac{\frac{1}{3} - \frac{3}{4}}{1\frac{1}{2} - 2\frac{2}{3}}$$

$$= \frac{\frac{4}{12} - \frac{9}{12}}{\frac{6}{6} - \frac{12}{6}}$$

$$= \frac{-\frac{5}{12}}{-\frac{6}{6}}$$

1M

$$= -\frac{5}{12} \times -\frac{6}{7}$$

$$= \frac{5}{14}$$

1A

(2)

$$\begin{aligned} 2. (a) \quad P+Q-R \\ = 4+3-(-4) \\ = 4+3+4 \\ = 11 \end{aligned}$$

1M

1A

(2)

$$(b) \frac{P}{R} - \frac{Q}{4}$$

$$= \frac{4}{-4} - \frac{3}{4}$$

$$= \frac{-4-3}{4}$$

1M

$$= -\frac{7}{4}$$

1A

(2)

$$\begin{aligned} 3. (a) \quad 100 \div 8 \\ = 12.5 \end{aligned}$$

1M

1A

(2)

$$\begin{aligned} (b) \quad 12.5 \times 5 - 15 \times 2 - 5 \\ = 62.5 - 30 - 5 \\ = 27.5 \end{aligned}$$

1M

1A

(2)