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	$(-6)\times3+[(-9)\times(-5)-(-10)]$ $=-18+(45+10)$ $=-18+55$ $=37$
3.	C	$-3^2+(-1)^2\times(-4)^2\div(-2)^2$ $=-9+(1\times16\div4)$ $=-9+4$ $=-5$
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) $\dfrac{\frac{1}{3}-\frac{3}{4}}{1\frac{1}{2}-2\frac{2}{3}}$

$=\dfrac{\frac{4}{12}-\frac{9}{12}}{\frac{9}{6}-\frac{16}{6}}$

$=\dfrac{-\frac{5}{12}}{-\frac{7}{6}}$ 1M

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

$=\dfrac{5}{14}$ 1A

(2)

2. (a) $P+Q-R$

$=4+3-(-4)$ 1M

$=4+3+4$

$=11$ 1A

(2)

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

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

$=\dfrac{-4-3}{4}$ 1M

$=-\dfrac{7}{4}$ 1A

(2)

3. (a) $100\div8$ 1M

$=12.5$ 1A

(2)

(b) $12.5\times5-15\times2-5$ 1M

$=62.5-30-5$

$=27.5$ 1A

(2)