Dalkeith High School - Level 3 - HOMEWORK 19



- Copy and simplify :-1.
 - (a) 8x + 4x
 - (d) 12p p
 - (g) c+c+c

 - (i) 83d + 22d 91d

- (b) 3y 2y
- (e) 5x + 3x + 4x
- (h) 8k + 5k 10k
- (k) 20z 17z + z

- (c) 9h+h
- (f) 9w + 5w + w
- (i) 15q + 9q 19q
- (I) 31h 25h 6h

- Copy and simplify :-2.
 - (a) 18x + 14x 27x
 - (d) 26t-t-t-t
 - (a) h + 13h + 12h 23h
 - (i) $51e^3 + 29e^3 79e^3$

- (b) 7y y + 8y
- (e) v + 11v + 4v v
- (h) 7u + 6u 12u
- (k) z 5z + 7z

- (c) 12i + 7i 14i
- (f) $90i^2 + 5i^2 i^2$
- (i) $5g^2 + 9g^2 4g^2$
- (I) 31x 35x 6x

- 3. For w = 2, x = 3, y = 1 and z = 6, calculate:
 - (a) 2w+3+x (b) 1+2z-2x
- (c) 5y + 2w
- (d) 30 5z

- (e) z 3w + y (f) w + 3x y
- (g) 2wx 2

- (i) 2z + 4y x (j) 2x 4y + 2w
- (k) $\frac{1}{3}wz + x$
- (I) $\frac{1}{4}zw xy$

(h) 25 - 3yz

- (m) 10 2z + y (n) 5 + 3yw wzy
- (o) 2y 5w + z
- (p) 72 2wxyz

- (a) Find an expression for the total cost of 4. the items shown :-
 - (b) If s = 10 and t = 20, what is the total cost?



- 5. Find the value of each expression below when a = 2, b = 3 and c = 4:
 - (a) a+b-c

- (b) 2a + 4b 3c
- (c) 5b 4c + a

- (d) $a^2 + b^2 + c^2$
- (e) $(c-a)^2-2b$
- (f) $a^3 (b-c)^3$.