Grouping Symbols

1 Find the answer to each of these

a) (6 x 4) + 3
b) 6 x (4 + 3)
c) (7 x 2) – 3
d) 20 – (6 x 2)
e) (20 – 6) x 2
f) (5 x 7) – 2
g) 8 + (4 x 3)
h) (8 + 4) x 3
i) (6 + 6) ÷ 12
j) 5 x (8 – 3)
k) (5 x 8) – 3
l) (7 x 12) ÷ 4
m) 7 x (12 ÷ 4)
n) (3 x 2) + (4 x 3)
o) (8 x 2) – (5 x 3)
p) (5 x 7) + (5 x 3)
q) 12 – (4 x 3)
r) (12 – 4) x 3
s) (24 ÷ 8) + 4
t) 24 ÷ (8 ÷ 4)
u) (12 x 2) ÷ (8 ÷ 2)

2 Insert grouping symbols so that each expression has the value shown

a) 10 x 5 + 2 = 52
b) 10 x 5 + 2 = 70
c) 10 – 5 + 2 = 3
d) 10 – 5 + 2 = 7
e) 10 + 5 x 2 = 20
f) 10 + 5 x 2 = 30

3 Simplify each of these

a) [(5 + 4) – 2] x 3
b) [6 + (8 x 20] ÷ 2
c) [(24 – 120 ÷ 6] + 5
d) 10 x [(8 – 3) x 2]
e) 15 + [4 x (2 –1)]
f) [(28 – 7) x 4] – 2

4 What is the answer to this question [6 + (3 x 20)] x 5