



Year 7 Weekly Tutorial - 02

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1. Work out without using calculator.

a) $6.5 \div 0.13$

b) $3 \div 0.15$

2. Work out the following.

a) $25 - 12(3 \times 5 - 18)$

b) $16 \div 4(5 - 3 \times 2)$

3. Find the largest number that will divide into both 64 and 80.

4. Bus A leaves a bus stop every 45 minutes. Bus B leaves the same bus stop every 50 minutes. Bus A and B both leave the bus stop at 8.30 a.m. What time both buses leave the bus stop at the same time again?

5. Simplify following expressions.

a) $2a + 5 + 5a - 12$

c) $3x^2 + 2x - x^2$

b) $7a - 12 - 5a + 7$

d) $5x^2 - 7x + x^2 + 5x$

6. Expand and simplify.

a) $3 + 2(a - 1)$

c) $3(2x - y) + 3y$

b) $5a + 3(2a - 3)$

d) $2x(x - 2) + 5x^2$

7. Expand and simplify.

a) $2(x + 3) + 3(x + 1)$

d) $3(x + 3) - 4(x - 3)$

b) $3(x + 4) - 2(x + 1)$

e) $2(2x + 1) - 3(x - 2)$

c) $4(x - 2) + 5(x - 3)$

f) $5(3x - 4) + 3(x - 5)$