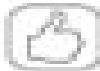
		NAME:			
		Gr 8		Date:	
CAPS	2-3 Algebraic Expressions (Term 2) Expand and simplify				
Reference	algebraic expressions				
Topic	2-3-6 Algebraic Problems				



1. Got it? [5 mins]

Reminder:

Solving an algebraic problem:

1. Read the question carefully.
2. If necessary draw a diagram.
3. Write the facts using algebra.
4. Solve the problem.

Example: Mshu buys 4 new pencils and 3 pens. She spends R63,00. If the pencils cost R7,50 each, what is the price of each pen?



$$4p + 3n \text{ cost R63,00}$$

$$4(7,50) + 3n \text{ cost 63}$$

$$30 + 3n \text{ cost 63}$$

$$3n \text{ costs 33}$$

$$n \text{ costs 11} \quad \text{The pens cost R11,00 each}$$



2. Go ahead! [20 mins]

- 2.1 Sya has R500 to spend on clothes. He buys 2 pairs of trousers and 3 shirts. The trousers cost R140,00 each. What does each shirt cost?
- 2.2 401 Gr 8 learners went on an excursion. Six buses were filled and 11 students went in a taxi. How many learners were in each bus?
- 2.3 The sum of three consecutive numbers is 57. What is the smallest of these numbers?
- 2.4 Jason was given a box of 30 chocolate bars. He gave each of his cousins 2 bars and ended up with 6 bars for himself. How many cousins does he have?
- 2.5 Tanya gave away two thirds of her T-shirts. She then bought 5 new ones and now has 11. How many did she have originally?
- 2.6 The Catering Club ordered trays of 20 doughnuts per tray to sell at a basketball match. The school tuck shop contributed 2 extra trays of doughnuts to the sale. There was a total of 400 doughnuts to sell. How many trays did the club buy?



3. Check your work! [5 mins]