**MISSING NUMBERS AND ALGEBRA**

1. 8◼ 2. 62

 X69 X 3◼

 783 310

 5020 1860

 5803 2170

3. 4. 5.

 4◼

X◼7

 336

 960

1296

◼21

 X8◼

2889

25680

28569

 3◼9

X ◼4

 1236

 6180

 7416

6. X = 2y + 3

This is the formula for calculating the cost (X) of buying 2 packets of 86 balloons (y) and a balloon pump for £3. Each packet costs 57p. What is the total cost (X)?

7. For my BBQ I have a formula. For every person (n) I have 3 burgers (b).

 n X 3b

How many burgers will I need for 27 guests?

8. Pencils are sold in packs of 12(n) and cost £1.25. Packaging and postage (p) is free if you buy more than 5 packs but 25p per pack if less than 5.

The formula is n+p

How much will it cost to buy

 3 packs?

 14 packs?

Write both formulas.

9. A box of chocolates (n) cost £1.99 and each customer is charged 68p postage (p) for each order. The formula is n + p. How much will it cost for me to buy 5 boxes? What is the formula?

10. 6a -21 + a

I buy 6 boxes of 19 biscuits (a). Unfortunately 21 biscuits have crumbled so I buy another box. Use the formula to work out how many biscuits I have.

Answers

1. 87 x 69
2. 62 x 35
3. 48 x 27
4. 309 x 24
5. 321 x 89
6. £4.14
7. 81
8. 3n + 3p = £4.50

14n = £18.50

1. 5n + p = £10.66
2. 112