

# Chapter 1



## Whole Numbers in Action

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A calculator must not be used for this exercise.



1. Find the sum of all the odd numbers in the box:

45	100
24	
39	63
50	77
44	61

(3)

2. A box of eight Christmas crackers costs £4.96.

How much does each one cost?

(3)

3. Write down the next two numbers in these sequences:

- a) 3, 6, 9, 12,
- b) 1, 10, 100, 1000,
- c) 64, 32, 16, 8,
- d) 81, 72, 63, 54,
- e) 1, 3, 9, 27,
- f) 3, 7, 11, 15,

(6)

4) The owner of a sports shop buys footballs for £6.50 each.

She sells them for £10.00 each.

How much profit does she make on **twelve** footballs?



(4)

5.

<b>Bakery Prices</b>			
Doughnuts .....	38p	Apple Tarts .....	48p
Iced Cakes .....	47p	Meat Pies .....	69p
<u>Biscuits</u>			
Chocolate .....	36p	Plain .....	32p

- a) How much would you pay for an iced cake, an apple tart, and a meat pie?
- b) How much would you pay altogether for one each of the four most expensive items on the list?
- c) What change would you receive from £2 if you bought three doughnuts and two plain biscuits?

(9)

6. Each of the letters T, V, R and S correspond with one of the numbers 1, 3, 6, and 9. Use the calculations below to find the value of each letter.

$$\begin{array}{r}
 + \quad \quad \quad V \ S \\
 \quad \quad \quad R \ S \ V \\
 \hline
 \quad \quad \quad R \ T \ T \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 \quad \quad \quad \quad \quad V \\
 \quad \quad \quad \quad \quad - \ S \\
 \hline
 \quad \quad \quad \quad \quad S \\
 \hline
 \hline
 \end{array}$$

$$T = \underline{\hspace{2cm}}$$

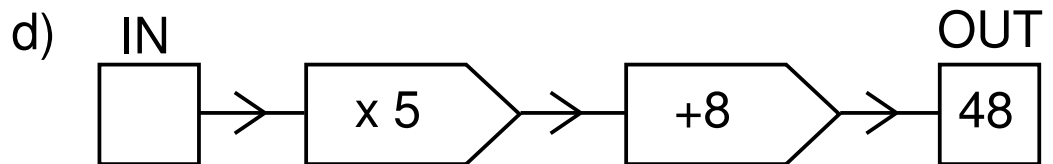
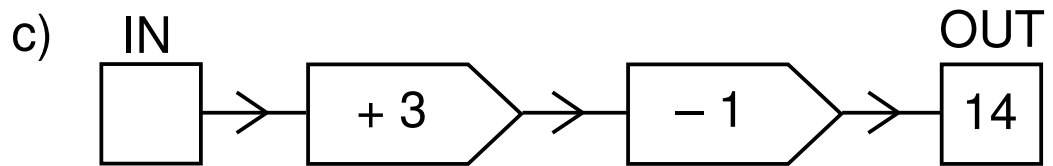
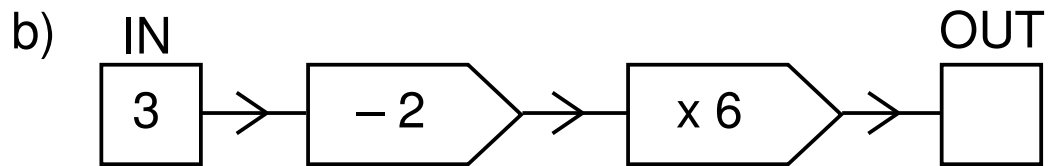
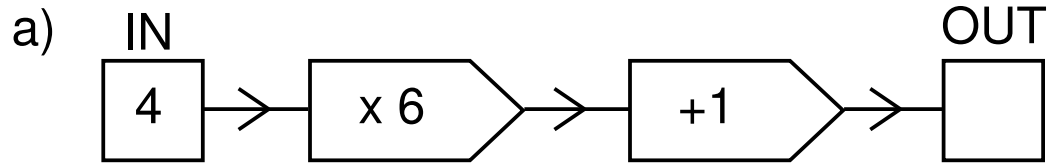
$$V = \underline{\hspace{2cm}}$$

$$R = \underline{\hspace{2cm}}$$

$$S = \underline{\hspace{2cm}}$$

(4)

7. Fill in the missing numbers in the number machines below:



(4)

8. Without using a calculator:



a) Multiply 76 by 10

b) Multiply 76 by 100

c) Multiply 76 by 1000

d) Multiply a thousand by a hundred

(5)

9. Without using a calculator:



a) Divide 24 000 by 10

b) Divide 24 000 by 100

c) Divide 24 000 by 1000

d) Divide a million by a thousand

(5)

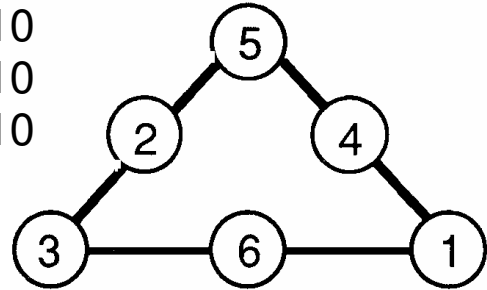
## 10. Number Triangles:

Look at the numbers on each side of the triangle.

*Bottom side:*  $3 + 6 + 1 = 10$

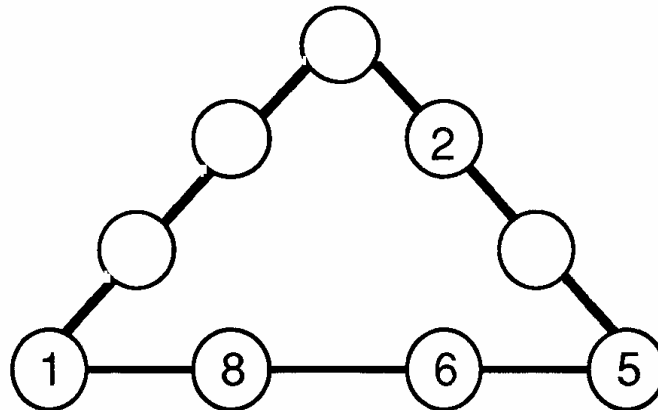
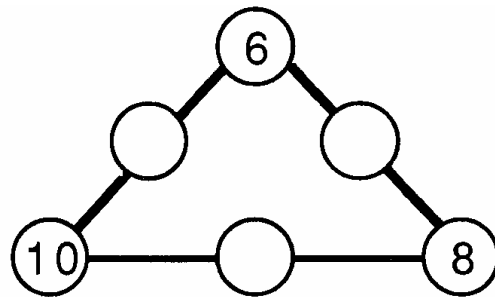
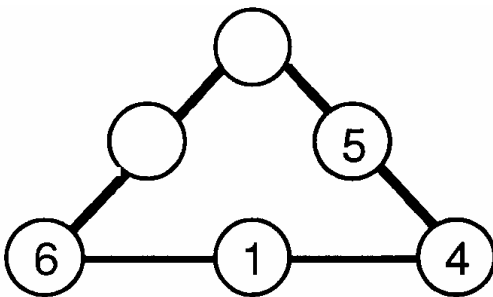
*Right side:*  $5 + 4 + 1 = 10$

*Left side:*  $3 + 2 + 5 = 10$



Fill in the missing numbers on the triangles below.

The numbers on each side must add up to the same total.



(9)

11. The Robertson family gets 3 pints of milk delivered daily, Monday to Friday.

5 pints are delivered on Saturday and none on Sunday.



What is their weekly bill?

(4)

————— END OF HOMEWORK EXERCISE —————

[56]