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Year 7 Maths Homework Sheet No.11

To be completed on loose-leaf paper.

Due date: _____

- ① The following number sentences are not true. Rewrite each by changing the highlighted number to make an equation.

(a) $10 - 3 = 5$

(b) $\frac{24}{2} = 4$

- ② Complete the following statement to make a true equation.

$$5 + \square \times 7 = 26$$

- ③ Find the unknown number described below.
'A number is multiplied by 5 and then has 3 added to it. The result is equal to 23.'

- ④ Find the unknown number described below.
'Jeevan had exactly enough money to buy either three doughnuts at 80 cents each or six chocolate chip cookies. How much is each cookie?'

- ⑤ Write the following equation in words.
 $2m + 4 = 12$

- ⑥ Write the following equation in words.
 $\frac{50}{e} = 10$

- ⑦ For the equation shown below, check whether the solution given in the brackets is correct.

(a) $2x + 1 = 12$ ($x = 5$)

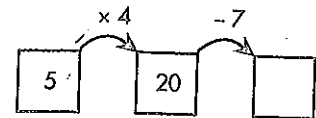
(b) $\frac{a}{5} - 4 = 11$ ($a = 15$)

- ⑧ Find the solution to the equation:

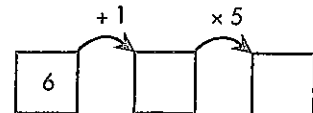
$$\frac{x}{3} + 6 = 14$$

Hint: the solution is between 20 and 25.

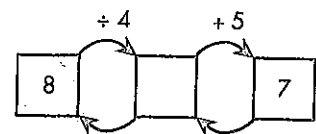
- ⑨ Complete this flowchart.



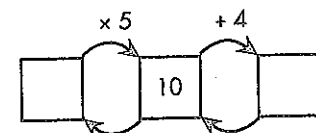
- ⑩ Complete this flowchart.



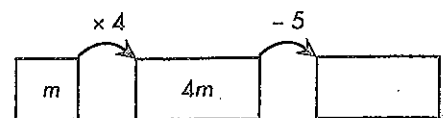
- ⑪ Complete this flowchart.



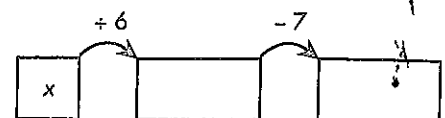
- ⑫ Complete this flowchart.



- ⑬ Complete the following flowchart by writing down the final expression.



- ⑭ Complete the following flowchart.



- ⑮ Fill in the missing operations in the following flowchart.

