



 Maths Booklet 25

Name:

Date started:

- Try to work neatly
- Ask for help if you get stuck
- Show how you got your answers

| | Section A | Section B | Section C |
|---|-----------|-----------|-----------|
| WM65.7: Investigating Properties of Shapes | /10 | /10 | /10 |
| WM612.11: Calculating Fractions, Decimals and Percentages | /10 | /10 | /10 |
| WM61.11: Numbers and the Number System | /10 | /10 | /10 |
| WM613.3: Solving Equations and Inequalities | /10 | /10 | /10 |

11. On the first day of baseball camp, all the players were divided into 5 teams. There were 8 players on each team. Which equation, when solved, will tell the total number of players?

$$8 / p = 5 \quad p - 5 = 8 \quad p / 5 = 8 \quad 10 / p = 8$$

12. Cathy drives 3 kilometres every day. Which equation, when solved, will tell how many days it will take her to drive 12 kilometres?

$$d / 3 = 12 \quad 3 \times 12 = d \quad 3 / d = 12 \quad 3 \times d = 12$$

13. Solve for U. $U = 33 + 54$

14. Use the equation $e = t + 8$ to find the value of e when $t = 3303$

15. In a game, the player who makes the last move receives a 7-point bonus for ending the game. Let x represent the score before the endgame bonus and y represent the final score. Complete the equation that represents the relationship between x and y:

$$x \quad y$$



Section C - Extended Practice

1. Sally is baking a cake. The recipe calls for six cups of flour. She already put in four cups. How many more cups does she need to add ?

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2. Jessica had sixteen peaches left at her roadside fruit stand. She went to the orchard and picked more peaches to stock up the stand. There are now fifty – four peaches at the stand, how many did she pick ?

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3. How many ink cartridges can you buy with 150 dollars if one cartridge costs 15 dollars ?

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4. After paying 8 dollars for the pie, Jason has 99 dollars left. How much money did he have before buying the pie ?

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5. After eating at the restaurant, Sally, Mary, and Benny decided to divide the bill evenly. If each person paid forty – four dollars, what was the total of the bill ?

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6. There were 8 roses in the vase. Nancy cut some more roses from her flower garden. There are now 18 roses in the vase. How many roses did she cut ?

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7. Jessica is baking a cake. The recipe calls for 7 cups of flour. She already put in 3 cups. How many more cups does she need to add ?

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8. There are 31 walnut trees currently in the park. Park workers will plant more walnut trees today. When the workers are finished there will be 78 walnut trees in the park. How many walnut trees did the workers plant today ?

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9. After paying 6 dollars for the pie, Mike has 59 dollars left. How much money did he have before buying the pie ?

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10. Last week Tim had 32 dollars. He washed cars over the weekend and now has 52 dollars. How much money did he make washing cars ?

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11. After eating at the restaurant, Melanie, Jessica, and Tim decided to divide the bill evenly. If each person paid 39 dollars, what was the total of the bill ?

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12. There were 36 bales of hay in the barn. Benny stacked more bales in the barn today. There are now 74 bales of hay in the barn. How many bales did he store in the barn ?

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13. One pack of DVDs costs 17 dollars. How many packs can you buy with 289 dollars?

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Solve the following inequalities to find the value for 'x':

14. $x + 3 \leq 16$

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15. $8x < 12$

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16. $x - 2 \leq 5$

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17. $6x < 14$

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18. $x/4 > 3$

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19. $16 + x \geq 18$

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20. $2 > x - 13$

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