**BLM 7.PR.15: Problems to Represent with Linear Equations and with Concrete Materials**

|  |  |  |
| --- | --- | --- |
| 1. Myra keeps her pencils well organized. She keeps all the same brands together. She has a total of 23 pencils. An equal number of pencils are in 2 boxes and 7 are loose. How many pencils are in each box? | 2. Georges received $38 for babysitting his neighbour’s children one afternoon. He babysat for 3 hours and received a $5 bonus. What was his wage per hour? | 3. Kingston’s cousin is 24 years old. He is 2 years older than twice Kingston’s age. How old is Kingston? |
| 4. I have 14 collector pins from events I attended at the stadium. Together, my friend and I have 19 pins. How many pins does my friend have? | 5. There are 23 students in our class. Of the 23 students, 9 walk or get rides to school and the rest come by bus. How many students in the class come to school by bus? | 6. Evi brought 22 pencils to school and gave them all away. She gave 6 to school staff and 2 to each of her girlfriends. To how many girlfriends did she give pencils? |
| 7. There were 18 cookies in a package. Aaron ate some of them. His friend Jaabir ate twice as many. There are 3 cookies left in the package. How many cookies did Aaron eat? | 8. A shed is 2 metres tall. The tree beside it is 18 metres tall. How many times as tall as the shed is the tree? | 9. A cat sleeps an average of 20 hours a day. The cat sleeps 4 hours more than twice as long as Allison sleeps. How many hours does Allison sleep in a day? |

*(continued)*

**BLM 7.PR.15: Problems to Represent with Linear Equations and with Concrete Materials (continued)**

|  |  |  |
| --- | --- | --- |
| 10. I have $6. My brother has 3 times as much money as my sister. Together, the three of us have $18. How much money does my sister have? | 11. I’m planning on saving money to go to the community fair. Prices are $5 for admission and $4 per ride. I’m not going to spend any money on food or souvenirs. If I save $25, how many rides can I go on? | 12. A group of boys in the lunchroom are playing number games. Mati doubled his number and added 7 more. The total was 17. What was Mati’s number? |
| 13. Anna scored 85% on her math test. Sara scored 6% higher than Anna. What percent did Sara score? | 14. Kristoff went into the mall with $24. When he left the mall, he had $6. He spent his money on 3 items that each cost the same amount of money. How much did each item cost? | 15. You paid $10 for admission to the concert this weekend. Snacks were sold for $2 each. If you spent a total of $16, how many snacks did you buy? |
| 16. Shane was watching animals catch fish. A pelican scooped up 21 fish. The pelican caught 3 times as many fish as the bear did. How many fish did the bear catch? | 17. Madison likes to make up number riddles. She is thinking of a number, and 16 is 4 more than 3 times the number she is thinking of. What number is Madison thinking of? | 18. In a basketball game, Andre scored 13 points. This was 5 more than double the points he scored in the last game. How many points did he score in the last game? |