*What’s My Story?*

**Patterning and Algebra**

**Unit 1 Line Master 11**

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| 3(*x* − 5) = 60 | Joe buys 3 identical shirts.  Each is on sale for $5 off the original price. Joe pays $60 for the shirts. What was the original price  of each shirt? |
| 1795 = 205 + 15*x* | It costs $205 to book a route for a charity walk. There are $15 in other costs for each person who participates. If the cost of the event is $1795, how many people are taking part? |
| 15*x* + 10 = 115 | Zoya earns $15 an hour.  They get a $10 bonus if they work an overnight shift. If Zoya earns $115 for an overnight shift, how many hours did they work? |
| *x* + 4*x* = 100 | Bill and his granddaughter Hannah share a birthday. This year, Bill is 4 times as old as Hannah. If their combined age is 100 years, how old is each person? |
| 1795 = 220 + 35*x* | It costs $220 to rent a banquet room and $35 per person for the meal and service. How many people attend an event if the total cost is $1795? |