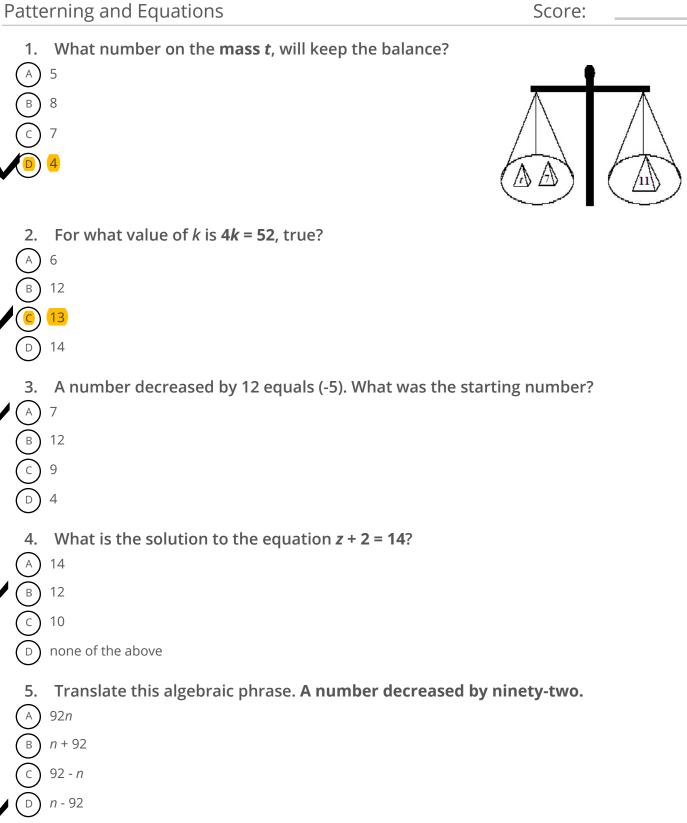
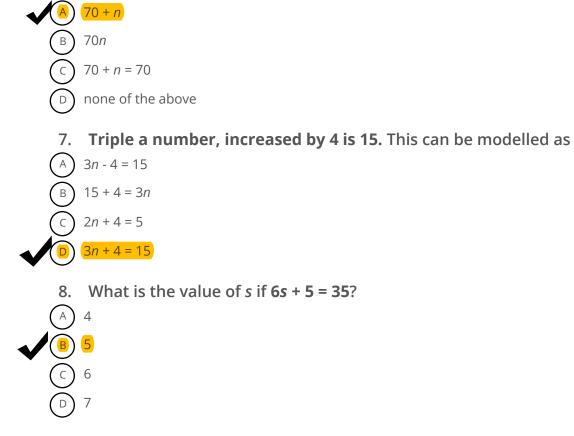


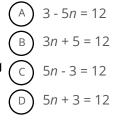
Score:



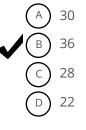
6. Translate this algebraic phrase. **The sum of seventy and a number.** 



9. Model the following situation using an equation. Three less than the product of five and a number equals twelve.



10. The expression **2***w* + *t* shows how many points a hockey team gets per season. *w* represents wins, *t* represents ties. The Jets had 14 wins & 8 ties. How many points did they get?



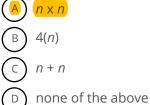


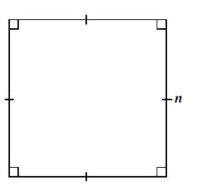
11. When Grant's age is doubled and 6 is added to it, the result is 19. What equation models the riddle above.

А 6 + 2 = 196*a* + 2 = 19 В 2*a* + 6 = 19 19 = 2 + 6*a* D

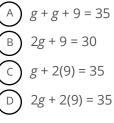


12. An expression for the area of the following square is





13. In a class of 35 kids, there are 9 more boys than girls. How many girls are in the class? Which following equation helps answer the question?



14. Ted earns \$7.50/hr as a cashier. Last week he earned \$172.50. How many hours did he work?



D

none of the above

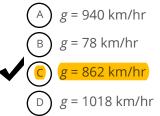


15. Write an equation for the perimeter of this triangle solving the equation for *x*.



16. Pilots use the following equation to determine the ground speed of an airplane. ground Speed = air speed - headwind speed, also known as g = a - h

Calculate the plane's ground speed when the Air Speed = 940 km/hr and the Headwind Speed = 78 km/hr.





17. Which word statement represents **0.5**(*n*) = **12** - **7**?

A half a number is 12

half a number is 7 less than 12

half of 7 is 5 less than 12

12 decreased by 5 is 7

18. A sum of money is divided among 3 people. Each person gets \$25.35. What is the sum of money?



В

С

D

С

D

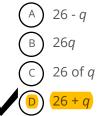
в) \$101.40



none of the above



19. Farmer Brown has 26 cows. He buys *q* more. The number of cows he has can be expressed as





20. Mr. Fitch bought a Suzuki scooter that weighs 238kg empty (dry weight). A full tank of gas on this bike is 16 litres. A litre of gasoline weighs 0.76 kg. Mr. F weighs 75kg. What is the total weight if he's on the bike with only 1/4 of a tank of gas?

