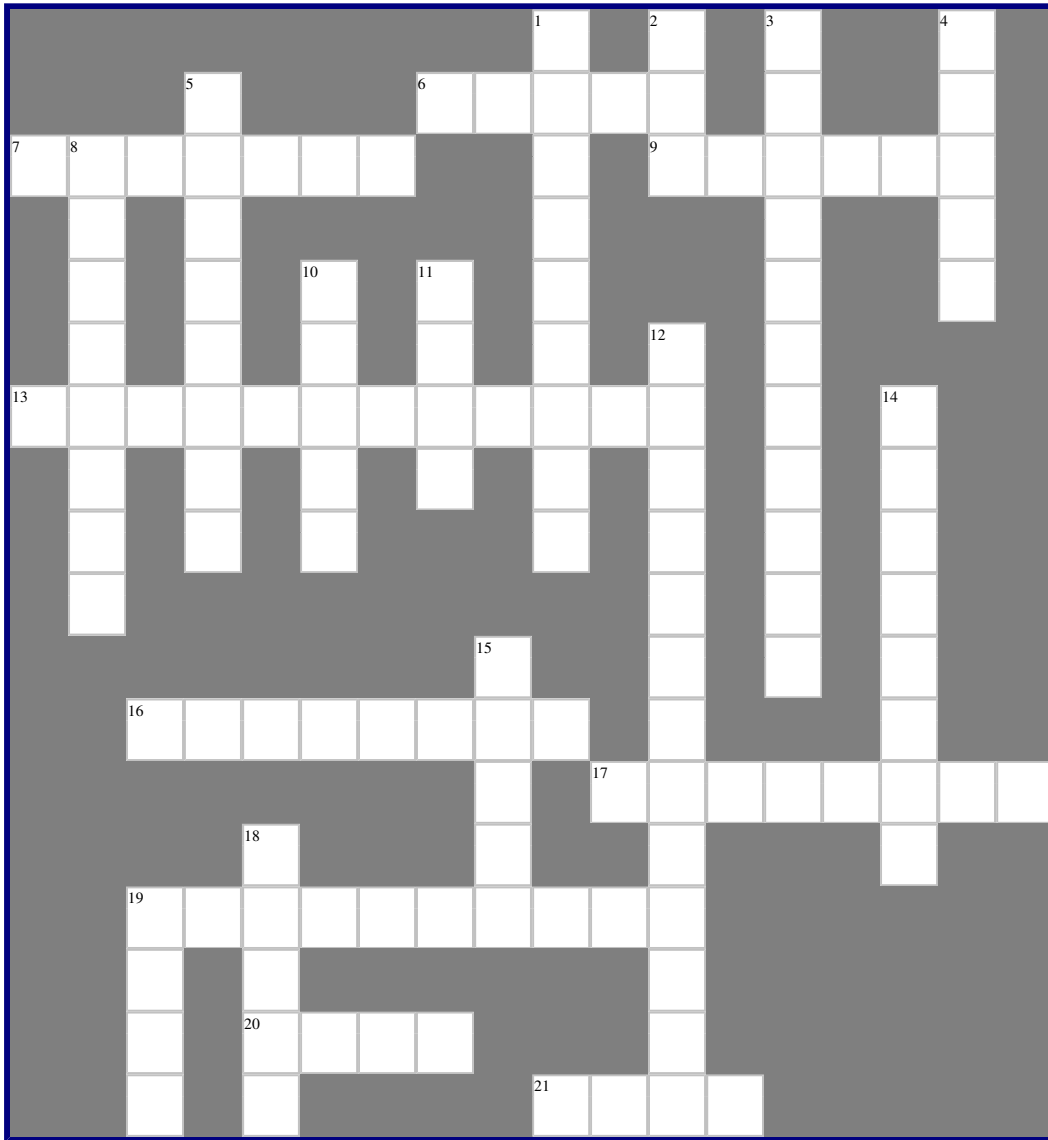


# 9K - Speeding Up



## Across

6. Distance up (or down) divided by distance across on a graph (5)
7. The sum of all values divided by the number of values (7)
9. Force due to a jet, rocket or motor (6)
13. Rate of changing velocity (direction or speed) (12)
16. A rubbing force that acts in a direction opposite to an object's motion (8)
17. When the forces acting on an object are equal in size but opposite in direction (8)
19. Swirly flow in a fluid (10)
20. A force of tension between two objects (4)
21. A force of compression between two objects (4)

## Down

1. Contact between a moving and another moving or stationary object (9)
2. A type of engine that works by producing a stream of fast flowing fluid (3)
3. Shaped to minimise drag forces (11)
4. Unit of distance (5)
5. Slope of a graph (8)
8. Speed in a given direction (8)
10. Rate of movement - distance travelled divided by time taken (5)
11. Friction force due to motion through a gas or liquid (4)
12. At a particular moment in time (13)
14. How far it is between two points (8)
15. Something that causes a mass to change speed or direction (5)
18. Data represented by a picture (5)
19. The fourth dimension, measured in seconds (4)