

# MHS

## Physics

Exam to go from grade 10  
to grade 11

# Sample Questions

**ANSWERS**

**ANSWERS:**

- |   |  |
|---|--|
| 1. Option 3   | 26. $5 \text{ ms}^{-1}$  |
| 2. Option 1   | 27. Option 2   |
| 3. Option 3   | 28. Option 2   |
| 4. Option 3   | 29. Option 3   |
| 5. Option 2   | 30. $3 \text{ ms}^{-1}$  |
| 6. Option 1   | 31. Option 2   |
| 7. Option 1 True;<br>Option 2 False;<br>Option 3 False;<br>Option 4 False;<br>Option 5 True;<br>Option 6 True;<br>Option 7 False;<br>Option 8 True;<br>Option 9 True. | 32. 25 m   |
| 8. Option 2   | 33. $2 \text{ ms}^{-2}$  |
| 9. Option 1   | 34. Option 1   |
| 10. Option 1 True; Option 2 False;<br>Option 3 True.  | 35. 340 m  |
| 11. Option 3  | 36. 0.8 m  |
| 12. Option 2  | 37. Option 2   |
| 13. Option 1  | 38. Option 2   |
| 14. Option 2  | 39. Option 2   |
| 15. Option 3  | 40. Option 3   |
| 16. Option 3  | 41. $\mathbf{F_1 + F_2} = (81, 122) \text{ N}$                                       |
| 17. A – 1; B – 2.   | 42. Option 1   |
| 18. Option 3  | 43. Option 1   |
| 19. Option 2  | 44. 2.5 N  |
| 20. Option 2  | 45. Option 2   |
| 21. Option 2  | 46. Option 4   |
| 22. Option 1  | 47. Option 3   |
| 23. 18 m  | 48. Option 1   |
| 24. 60 m  | 49. Option 3   |
| 25. $22 \text{ ms}^{-1}$  | 50. $12 \text{ ms}^{-1}$ North   |
|   | 51. Option 1 Yes; Option 2 Yes;<br>Option 3 Yes; Option 4 Yes.                       |
|   | 52. $12,000 \text{ kg}\cdot\text{ms}^{-1}$ <b>OR</b> $12,000 \text{ N}\cdot\text{s}$ |