ADDING AND SUBTRACTING INTEGERS

Answer all of these questions. Remember to show your working out in all questions.

MAIN QUESTIONS

| 1. | 45 - 73 | 2. | -120 + 85 |
|-------------|----------------------------|-----|-----------------------------|
| 3. | 500 - (-300) | 4. | -2500 + 4000 |
| 5. | 18 - 42 + 15 | 6. | -75 + 130 - 25 |
| 7. | 8000 - 12000 + 5000 | 8. | -600 + (-450) - 300 |
| 9. | 9200 - 15000 + 8000 | 10. | -4800 + 3600 - 200 |
| 11. | 125 - 340 + 215 | 12. | -999 + 1000 - 50 |
| 13. | 7200 - (-2800) + 1000 | 14. | -15000 + 12300 - 800 |
| 15. | 560 - 890 + 450 | 16. | -7500 + 6000 - 2500 -4000 |
| 17. | 4250 - 3800 + 1750 | 18. | -6200 - (-4800) + 700 |
| 19. | 9900 - 7500 + 3600 6000 | 20. | -8430 + 9210 - 1000 |
| 21. | 276 - 498 + 324 | 22. | -13000 + 11400 - 500 |
| 23. | 6500 - 8900 + 4300 | 24. | -2470 - 1530 + 2000 |
| 25 . | 8100 - (-1900) - 3000 7000 | 26. | -5760 + 4820 - 1100 -2040 |
| 27. | 1234 - 5678 + 4444 | 28. | -8999 + 10000 - 2001 |

MASTER QUESTIONS



- M1. A submarine at -250 metres ascends 180 metres then descends 70 metres. What is its final depth?
- M2. Emma has £3500 in her bank account. She pays a cheque for £4200 and then deposits £900. What is her new balance?
- M3. The temperature in Leeds is -8°C. It rises by 12°C during the day then falls by 5°C overnight. What is the final temperature?
- M4. A mountain climber starts at 2400 metres above sea level. She descends 800 metres, ascends 350 metres, then descends another 450 metres. What is her elevation?
- M5. A company's profit was £-7500 in Q1. In Q2 it made £12000 profit, but lost £9500 in Q3. What is the overall profit?
- M6. In a game, James scored 250 points, lost 400 points for a penalty, then gained 300 points. What is his total score?
- M7. A plane flying at 8500 metres descends 2300 metres for landing, aborts, and climbs 1500 metres. What is its altitude?

- M8. The Dead Sea shore is at -430 metres. A geologist walks up 125 metres then down 80 metres. What is her position?
- M9. A glacier retreated 15 metres in 2020, advanced 8 metres in 2021, then retreated 12 metres in 2022.

 What was its net change?
- M10. A scuba diver at -30 metres dives to a shipwreck at -65 metres, then ascends 25 metres to photograph coral.

 What is her depth?