

MULTIPLYING AND DIVIDING INTEGERS

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

MAIN QUESTIONS

- | | | | | | | | |
|-----|---------------------------------|--|-----|-----|------------------------------|--|-----|
| 1. | -7×4 | | -28 | 2. | $15 \div (-3)$ | | -5 |
| 3. | $-18 \times (-2)$ | | 36 | 4. | $(-45) \div 9$ | | -5 |
| 5. | $6 \times (-8) + 10$ | | -38 | 6. | $-24 \div 3 - 5$ | | -13 |
| 7. | $(-14) \times 3 \div 7$ | | -6 | 8. | $33 \div (-11) \times 4$ | | -12 |
| 9. | $9 \times (-5) - 12$ | | -57 | 10. | $-81 \div 9 + 15$ | | 6 |
| 11. | $(-25) \times 4 \div (-5)$ | | 20 | 12. | $64 \div (-8) \times (-3)$ | | 24 |
| 13. | $17 \times (-3) + 25$ | | -26 | 14. | $-42 \div 6 - 11$ | | -18 |
| 15. | $(-60) \div 12 \times 7$ | | -35 | 16. | $28 \times (-2) \div 7$ | | -8 |
| 17. | $13 \times (-4) - 8 \times 3$ | | -76 | 18. | $-75 \div 15 + 9 \times 2$ | | 14 |
| 19. | $22 \times (-3) \div 11 + 15$ | | 9 | 20. | $48 \div (-6) - 7 \times 2$ | | -22 |
| 21. | $(-19) \times 4 + 32 \div (-8)$ | | -80 | 22. | $90 \div (-9) \times 3 - 10$ | | -40 |
| 23. | $(-27) \times 2 \div 6 + 14$ | | 5 | 24. | $55 \div (-5) + 8 \times 3$ | | 13 |

25.	$36 \times (-2) \div 12 - 7$		-13	26.	$(-84) \div 7 \times 2 + 20$		-4
27.	$15 \times (-6) + 42 \div 3$		-76	28.	$-96 \div 12 - 5 \times 4$		-28
29.	$23 \times (-4) \div 2 + 18$		-28	30.	$72 \div (-8) \times 5 - 25$		-70
31.	$(-125) \times 2 \div 25 + 16$		6	32.	$88 \div (-11) \times 4 - 12$		-44
33.	$47 \times (-2) + 60 \div 5$		-82	34.	$-144 \div 12 \times 3 + 40$		4
35.	$250 \div (-5) \times 2 - 35$		-135	36.	$(-99) \div 9 \times 4 + 72$		28
37.	$64 \times (-3) \div 16 - 10$		-22	38.	$180 \div (-12) \times 2 + 50$		20
39.	$(-750) \div 15 \times 2 - 80$		-180	40.	$99 \times (-2) \div 11 + 45$		27

MASTER QUESTIONS



M1.	A submarine dives 15 metres every minute. After 8 minutes, it rises 40 metres. What depth is it at now?		-80 metres
M2.	A company loses £250 each day for 6 days, then makes a profit of £1800. What is their net financial change?		£300 profit
M3.	The temperature drops 3°C each hour for 12 hours, then rises by 20°C. What was the total temperature change?		-16°C
M4.	A lift descends 4 floors every 10 seconds for half a minute, then ascends 7 floors. What is its net movement?		-5 floors
M5.	A football team loses 5 yards on each of 3 plays, then gains 22 yards. What is their total yardage change?		7 yards gained
M6.	A glacier retreats 8 metres per day for 15 days, then advances 50 metres. What is its net position change?		-70 metres
M7.	A share price falls £12 each day for 5 days, then rises by £48. What is the overall price change?		-£12

- M8.** A hiker climbs 120 metres uphill, descends 45 metres, then climbs triple her descent. What is her elevation gain? | 210 metres
- M9.** A factory produces 25 defective items per hour for 8 hours, then reworks 150 items. What is the net defective count? | 50 defective items
- M10.** An account has £500 withdrawn weekly for 4 weeks, then £800 deposited. What is the account's balance change? | -£1200