Negative Numbers & Integers: Hard Practice Paper 3 Answers

Q#	Answer	Explanation
1	B	9 × 7 = 63, and a negative multiplied by a positive gives a negative answer, so −9 × 7 = −63.
2	D	48 ÷ 8 = 6, and a negative divided by a negative gives a positive answer, so the result is 6.
3	B	Multiplication comes first: (−6) × 3 = −18. Then −20 + (−18) = −38.
4	B	The total is −9 − 5 + 2 − 4 + 1 = −15, and −15 ÷ 5 = −3.
5	B	The numbers go up by 7 each time, so after −10 comes −10 + 7 = −3.
6	C	m × n = −5 × (−2) = 10 because two negatives give a positive, and then 10 − 3 = 7.
7	C	If all 20 were right she would score 100. Each wrong answer loses 7 points (5 lost plus 2 taken off), and 100 − 44 = 56, so 56 ÷ 7 = 8 were wrong and 20 − 8 = 12 were right.
8	C	600 m is six lots of 100 m, so the rise is 6 × 2 = 12 degrees, and −24 + 12 = −12°C.
9	A	First −4 × (−3) = 12, since two negatives give a positive. Then 12 × (−2) = −24.
10	B	x − (−6) is the same as x + 6, so x + 6 = 1 and x = 1 − 6 = −5.
11	B	The answers are −2, −1, −3, −4 and −5. The one nearest to zero is −1, from −7 + 6.
12	D	The highest is 8 and the lowest is −14, so the range is 8 − (−14) = 8 + 14 = 22.
13	B	12 − 9 = 3, then 3 + 3 = 6, then 6 − 8 = −2, so the lift ends on floor −2.
14	B	The two known numbers total −8 + 6 = −2, so the third is −5 − (−2) = −5 + 2 = −3.
15	C	The total is −3 − 7 + 0 − 6 = −16, and −16 ÷ 4 = −4.

myFreeSchool