Negative Numbers & Integers: Medium Practice Paper 5 Answers

Q#	Answer	Explanation
1	B	Moving 7 steps to the right from −18 gives −11, which is still below zero.
2	D	Subtracting a negative is the same as adding, so 9 − (−4) = 9 + 4 = 13.
3	C	Subtracting −10 is the same as adding 10, so −10 + 10 = 0.
4	D	The total rise is 4 × 5 = 20 degrees, and −14 + 20 = 6, so the temperature is 6°C.
5	B	The gap from −16 to −4 is 12, and half of 12 is 6. Counting 6 on from −16 gives −10.
6	B	The numbers go down by 4 each time, so after −6 comes −6 − 4 = −10.
7	C	Correct answers give 9 × 4 = 36 and wrong answers give 5 × (−1) = −5, so the score is 36 − 5 = 31.
8	C	Count 19 degrees up from −12: twelve of them reach 0, and the remaining 7 give 7°C.
9	B	7 × 6 = 42, and a negative multiplied by a positive gives a negative answer, so −7 × 6 = −42.
10	D	The bottom of the well is at −12 m and the top of the pole is at 9 m, so the difference is 12 + 9 = 21 m.
11	C	The answers are −5, −9, 5, −11 and −7. Only −6 + 11 gives a positive answer, because 11 is bigger than 6.
12	D	The highest is 6°C and the lowest is −9°C, so the range is 6 − (−9) = 6 + 9 = 15 degrees.
13	B	Since 8 × 5 = 40 and the answer is negative, the missing number must be −8, because a negative times a positive is negative.
14	D	£72 is needed just to reach £0, and then £15 more, so £72 + £15 = £87 must be paid in.

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15	A	Distance from zero ignores the sign. −13 is 13 steps from zero, which is more than any of the others.

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