

Negative Numbers & Integers: Medium Practice Paper 1 Answers

Q#	Answer	Explanation
1	C	Eight of the 15 steps take you from -8 up to 0, and the remaining 7 steps give 7.
2	A	Starting at -6 and taking away 9 moves you 9 further to the left, giving -15.
3	D	Subtracting a negative number is the same as adding, so $5 - (-3) = 5 + 3 = 8$.
4	B	$-4 + 7 = 3$ at noon, then $3 - 5 = -2$, so the temperature at midnight was -2°C .
5	C	The gap from -11 to 3 is 14, and half of 14 is 7. Counting 7 on from -11 gives -4.
6	D	The numbers go up by 4 each time, so after -1 comes $-1 + 4 = 3$.
7	C	Six correct answers give $6 \times 3 = 18$ points, and four wrong answers give $4 \times (-2) = -8$, so $18 - 8 = 10$.
8	D	From -17 up to 0 is 17, and from 0 up to 8 is 8 more, so the difference is $17 + 8 = 25$.
9	B	The answers are -2, -8, -5, 3 and 0. The smallest is -8, which comes from $-5 - 3$.
10	B	$-45 + 18 = -27$, then $-27 - 25 = -52$, so the submarine ends at -52 m.
11	A	-4×3 means three lots of -4: $-4 - 4 - 4 = -12$. A negative multiplied by a positive is negative.
12	D	The range is the highest minus the lowest: $3 - (-11) = 3 + 11 = 14$ degrees.
13	E	From -7 up to 0 is 7 steps and from 0 up to 5 is 5 more, so $7 + 5 = 12$ must be added.
14	B	In order the numbers are -12, -8, -3, 0, 5. The smallest is -12, so the second smallest is -8.
15	C	In 3 hours the rise is $3 \times 4 = 12$ degrees, and $-19 + 12 = -7$, so the temperature is -7°C .