

Negative Numbers & Integers: Medium Practice Paper 3 Answers

Q#	Answer	Explanation
1	C	Fifteen of the 23 steps take you from -15 up to 0, and the remaining 8 steps give 8.
2	D	Subtracting a negative is the same as adding, so $6 - (-6) = 6 + 6 = 12$.
3	C	Subtracting -15 is the same as adding 15, so $-9 + 15 = 6$.
4	B	In 4 hours the fall is $4 \times 6 = 24$ degrees, and $3 - 24 = -21$, so the temperature is -21°C .
5	C	The gap from -14 to 6 is 20, and half of 20 is 10. Counting 10 on from -14 gives -4.
6	C	The numbers go up by 5 each time, so after -5 comes $-5 + 5 = 0$.
7	B	The red cards give $3 \times (-4) = -12$ and the blue cards give $4 \times 7 = 28$, so the total is $28 - 12 = 16$.
8	A	Nine less than -4 means $-4 - 9$, which takes you 9 further to the left, to -13.
9	A	-6×5 means five lots of -6, which is -30. A negative times a positive gives a negative answer.
10	D	She starts at -25 m and finishes at 140 m, so the climb is $25 + 140 = 165$ m.
11	A	The answers are -9, -7, -8, -10 and -11. Only $-4 - 5$ gives -9.
12	D	The range is the highest minus the lowest: $5 - (-8) = 5 + 8 = 13$ degrees.
13	A	Work backwards by subtracting 11 from -4: $-4 - 11 = -15$. Checking, $-15 + 11 = -4$.
14	D	From -7 up to 0 is 7 degrees and from 0 up to 18 is 18 more, so the rise is 25 degrees.
15	E	Numbers less than -5 lie further to the left on a number line. -4 lies to the right of -5, so it is greater than -5.