

Negative Numbers & Integers: Hard Practice Paper 2 Answers

Q#	Answer	Explanation
1	E	Two negatives multiplied give a positive answer, and $7 \times 8 = 56$, so $-7 \times (-8) = 56$.
2	B	$54 \div 6 = 9$, and a negative divided by a positive gives a negative answer, so $-54 \div 6 = -9$.
3	D	Multiplication first: $4 \times (-3) = -12$. Then $12 - (-12) = 12 + 12 = 24$.
4	C	The total fall needed is $4 - (-11) = 15$ degrees, and $15 \div 3 = 5$ hours.
5	C	The total is $-11 - 4 + 0 + 3 = -12$, and $-12 \div 4 = -3$.
6	B	The numbers go down by 5 each time, so after -14 comes $-14 - 5 = -19$.
7	D	$3p$ means $3 \times (-4) = -12$, so $q - 3p = 6 - (-12) = 6 + 12 = 18$.
8	B	The shop needs to pay in £340 in total, and $340 \div 85 = 4$ days.
9	C	Rewrite the signs: $-15 - 9 + 20$. Then $-15 - 9 = -24$ and $-24 + 20 = -4$.
10	C	The distance from -7 to 9 is 16, and half of 16 is 8. Counting 8 on from -7 gives 1.
11	A	The answers are -24, -15, -17, 25 and -19. The smallest is -24, from -6×4 .
12	E	-14°C is warmer than -16°C , so it lies above the allowed range. Every other reading is between -22°C and -16°C .
13	C	Divide both sides by 3: $x = -21 \div 3 = -7$, because a negative divided by a positive is negative.
14	C	$-2 - 11 = -13$ overnight, then $-13 + 16 = 3$, so the temperature at noon was 3°C .
15	D	The mine is at -320 m and the hill top is at 145 m, so the distance is $320 + 145 = 465$ m.