

Negative Numbers & Integers: Hard Practice Paper 4 Answers

Q#	Answer	Explanation
1	E	$12 \times 5 = 60$, and two negatives multiplied give a positive answer, so $-12 \times (-5) = 60$.
2	B	$72 \div 9 = 8$, and a negative divided by a positive gives a negative answer, so $-72 \div 9 = -8$.
3	D	Multiplication first: $(-3) \times 4 = -12$. Then $5 - (-12) = 5 + 12 = 17$.
4	C	The total is $-20 - 13 - 6 + 1 + 8 = -30$, and $-30 \div 5 = -6$.
5	B	Each term is 4 less than the one before: 3, -1, -5, -9, -13, -17, -21, so the 7th term is -21.
6	D	$a \div b = -6 \div (-2) = 3$, because a negative divided by a negative is positive. Then $3 + 5 = 8$.
7	C	Three goals give $3 \times 40 = 120$ points. The team lost $120 - 60 = 60$ points to fouls, and $60 \div 15 = 4$ fouls.
8	C	The temperature must rise 18 degrees in total, and $18 \div 3 = 6$ minutes.
9	C	$-7 - (-7) = -7 + 7 = 0$, and then $0 - 7 = -7$.
10	C	Divide both sides by -4: $x = 28 \div (-4) = -7$. Checking, $-4 \times (-7) = 28$.
11	D	-12 lies to the right of -20 on a number line, so -12 is actually greater than -20. Every other statement is true.
12	B	Only Monday (-5°C) and Wednesday (-8°C) are below -2°C . Thursday's -1°C is warmer than -2°C .
13	D	The valley floor is at -45 m and the plane is at 1,200 m, so the distance is $1,200 + 45 = 1,245$ m.
14	D	Working backwards, $-13 - 8 = -21$, and $-21 \div (-3) = 7$. Checking, $7 \times (-3) = -21$ and $-21 + 8 = -13$.
15	C	Brackets first: $7 - 10 = -3$. Then $-2 \times (-3) = 6$, because two negatives give a positive.