Number Properties: Easy Practice Paper 4 Answers

Q#	Answer	Explanation
1	D	36 ÷ 9 = 4 with nothing left over, so 9 is a factor. The factors of 36 are 1, 2, 3, 4, 6, 9, 12, 18 and 36.
2	D	The multiples of 6 are 6, 12, 18, 24, 30, 36, 42, ... Since 6 × 7 = 42, the answer is 42.
3	C	37 has only the factors 1 and 37. The others divide by 3 or 5: 33 = 3 × 11, 35 = 5 × 7, 39 = 3 × 13 and 45 = 5 × 9.
4	D	Squaring means multiplying a number by itself: 7 × 7 = 49.
5	D	4 × 4 × 4 = 64, so 64 is a cube number. 36, 49 and 81 are square numbers but not cube numbers.
6	B	The square root asks which number multiplied by itself gives 36. Since 6 × 6 = 36, the square root is 6.
7	D	A number divides by 4 if its last two digits make a multiple of 4. 52 ÷ 4 = 13 exactly, while the others leave a remainder of 2.
8	A	2 is the only even prime number, because every other even number can also be divided by 2 as well as by 1 and itself.
9	D	The number must be a multiple of 4: 4, 8, 12, 16, 20, 24, 28. Only 28 is in the list, since 4 × 7 = 28.
10	D	The team size must be a factor of 36. The factors are 1, 2, 3, 4, 6, 9, 12, 18 and 36, so teams of 8 are not possible.
11	D	20 ÷ 10 = 2 and 30 ÷ 10 = 3, so 10 divides into both exactly. 4 divides 20 only, and 6 and 15 divide 30 only.
12	A	Start at −2 and count down 5: −3, −4, −5, −6, −7. The answer is −7.
13	E	45 ÷ 5 = 9 and 45 ÷ 3 = 15, so it is a multiple of both. The others are multiples of 5 but not of 3.

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14	C	The factors of 10 are 1, 2, 5 and 10. That is 4 factors altogether.
15	C	Falling 4 degrees from 4°C reaches 0°C, and there are still 5 degrees to fall, so the temperature becomes −5°C.

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