Mental Arithmetic & Times Tables: Hard Practice Paper 6 Answers

Q#	Answer	Explanation
1	C	Fifteen lots is ten lots plus half as many again. Ten 48s are 480, half of 480 is 240, and 480 + 240 = 720.
2	C	99 is one less than 100, so work out a hundred 17s and take one 17 away. A hundred 17s are 1,700, and 1,700 − 17 = 1,683.
3	C	Halving both numbers keeps the answer the same, so 2,400 ÷ 16 is the same as 1,200 ÷ 8, and halving again makes it 600 ÷ 4 = 150.
4	C	The child tickets come to 34 × 7 = 238 pounds and the adult tickets to 6 × 11 = 66 pounds. No tours are booked, so the total is 238 + 66 = 304, which is £304.
5	E	Work from left to right: 15 × 24 = 360, then 360 ÷ 9 = 40.
6	A	Fifty is half of a hundred, so multiplying by 50 is the same as multiplying by 100 and halving. Here 68 × 100 = 6,800 and 6,800 ÷ 2 = 3,400, which is what 68 × 50 comes to.
7	B	Count up from 4,375: another 625 makes 5,000, then 4,000 more makes 9,000. Altogether 625 + 4,000 = 4,625.
8	C	Doubling twice multiplies by 4, so undo it by halving twice. Half of 236 is 118, and half of 118 is 59.
9	C	Split the 17 into 10 and 7. Ten 13s are 130 and seven 13s are 91, so 130 + 91 = 221.
10	D	Ten per cent of 240 is 24, and five per cent is half of that, which is 12. Then 24 + 12 = 36.
11	D	A quarter of an hour is 15 minutes, so the printer prints 24 × 15 = 360 pages.
12	A	One of the numbers in the product is zero, and multiplying by zero always gives zero, however large the other numbers are. The answer is 0.

myfreeschool

13	B	In that column 4 gives 28 and 8 gives 56. Dividing back, 28 ÷ 4 = 7 and 56 ÷ 8 = 7, so the missing heading is 7.
14	C	Look for the largest multiple of 7 below 500. Since 7 × 70 = 490 and one more 7 makes 497, the multiple is 497, which is 3 short of 500. The remainder is 3.
15	C	Divide the fare between them: 27.60 ÷ 6 = 4.6, so each friend pays £4.60. Check: 6 × 4.6 = 27.6.

myfreeschool