Mental Arithmetic & Times Tables: Hard Practice Paper 8 Answers

Q#	Answer	Explanation
1	C	125 × 8 = 1,000, and 24 is three lots of 8, so the answer is three thousands. That gives 3,000.
2	C	Split the 12 into 10 and 2. Ten 96s are 960 and two 96s are 192, so 960 + 192 = 1,152.
3	C	Start from the table fact 72 ÷ 8 = 9. Since 7.2 is ten times smaller than 72, the answer is ten times smaller than 9, which is 0.9.
4	C	One sandwich and one juice cost 2.75 + 1.20 = 3.95 pounds. Four of those come to 4 × 3.95 = 15.80, so the bill is £15.80.
5	C	The floor covers 8 × 6 = 48 square metres. At fifteen pounds each, that is 48 × 15 = 720, so the carpet costs £720.
6	E	Work from left to right: 40 × 60 = 2,400, then 2,400 ÷ 30 = 80.
7	C	One day holds 24 × 60 = 1,440 minutes, and a week is seven days, so a week holds 1,440 × 7 = 10,080 minutes.
8	C	Work each one out: half of 480 is 240, a quarter of 1,000 is 250, a third of 690 is 230 and 20% of 1,100 is 220. Ten per cent of 2,600 is 260, which is the largest.
9	B	Split the second 45 into 40 and 5. Forty 45s are 1,800 and five 45s are 225, so 1,800 + 225 = 2,025.
10	D	Three days are 3 × 24 = 72 hours, and each hour holds four quarter-hours, so there are 72 × 4 = 288 of them.
11	C	Multiply back and then add on what was left over. Since 12 × 15 = 180, the number is 180 + 7 = 187.
12	A	Both amounts must be in minutes, and 6 hours is 6 × 60 = 360 minutes. The question asks how many 45s fit into 360, so it is 360 ÷ 45 = 8 lessons.

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13	C	The times add up to 96 + 84 + 108 + 90 = 378 seconds. Six minutes are 6 × 60 = 360 seconds, leaving 378 − 360 = 18 seconds, so the total is 6 minutes 18 seconds.
14	C	Both multiplications come first: 15 × 15 = 225 and 5 × 5 = 25. Then 225 − 25 = 200.
15	C	From 08:30 to 12:00 is 3 hours 30 minutes, which is three and a half hours. Three hours give 350 × 3 = 1,050 bottles, and the half hour gives half of 350, which is 175. Then 1,050 + 175 = 1,225 bottles.

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