1997 Q8

8. Walter gets up at 6:30 a.m., catches the school bus at 7:30 a.m., has 6 classes that last 50 minutes each, has 30 minutes for lunch, and has 2 hours additional time at school. He takes the bus home and arrives at 4:00 p.m. How many minutes has he spent on the bus?

(A) 30   (B) 60   (C) 75   (D) 90   (E) 120

8. (B) Walter is gone from 7:30 a.m. until 4:00 p.m., a total of 8 hours and 30 minutes. He is in class for 6 (50 min.) = 300 min. or 5 hrs., at lunch for $\frac{1}{2}$ hr., and has 2 hours additional time. His total time at school is 7 hrs. and 30 min., so he was on the bus for 1 hour or 60 minutes.

1988 Q10

10. Chris' birthday is on a Thursday this year. What day of the week will it be 60 days after her birthday?

A) Monday   B) Wednesday   C) Thursday   D) Friday   E) Saturday

10.   A   60 days is 8 weeks and 4 days, so the desired day is four days after a Thursday, that is, a Monday.

OR

60 days is 9 weeks less 3 days, so the desired day is three days before a Thursday, also a Monday.

1989 Q10

10. What is the number of degrees in the smaller angle between the hour hand and the minute hand on a clock that reads seven o'clock?

A) 50°   B) 120°   C) 135°   D) 150°   E) 165°

10.   D   The numerals on a clock face divide it into twelve equal sections of 30°. The smaller of the two regions determined by the hands at 7:00 p.m. covers five of these sections, so the desired angle is 150°.

1990 Q10

10. On this monthly calendar, the date behind one of the letters is added to the date behind C. If this sum equals the sum of the dates behind A and B, then the letter is

A) P   B) Q   C) R   D) S   E) T

Tues.	Wed.	Thurs.	Fri.	Sat.
		C	A	
		Q		
S	B	P	T	R

10. A Since the date behind C is one less than that behind A, the date behind the desired letter must be one more than that behind B. This date is behind P.

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2004 Q10

10. Handy Aaron helped a neighbor $1\frac{1}{4}$ hours on Monday, 50 minutes on Tuesday, from 8:20 to 10:45 on Wednesday morning, and a half-hour on Friday. He is paid $3 per hour. How much did he earn for the week?

(A) $8 \qquad (B) $9 \qquad (C) $10 \qquad (D) $12 \qquad (E) $15

10. **(E)** Aaron worked 75 minutes on Monday, 50 on Tuesday, 145 on Wednesday and 30 on Friday, for a total of 300 minutes or 5 hours. He earned $5 \times \$3 = \$15$.

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2014 Q10

10. The first AMC 8 was given in 1985 and it has been given annually since that time. Samantha turned 12 years old the year that she took the seventh AMC 8. In what year was Samantha born?

(A) 1979 \qquad (B) 1980 \qquad (C) 1981 \qquad (D) 1982 \qquad (E) 1983

10. **Answer (A):** The seventh AMC 8 was given in 1991. So Samantha was born in $1991 - 12 = 1979$.

OR

Because the seventh AMC 8 was given when Samantha was 12, the first was 6 years earlier and she was 6 that first year in 1985. She was born 6 years earlier, in 1979.

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