Y6 - Autumn - Block 2 - Step 14 - Mental calculations Answers

Question	Answer
1	a) 92 b) added 5 c) 25 + 48 = 73
2	Whitney add $20 + 30 + 40$ and then subtracts $3.19 = 20 - 1$, $29 = 30 - 1$ and $39 = 40 - 1$, so $19 + 29 + 39 = 20 + 30 + 40 - 1 - 1 - 1$ Amir does a column addition, exchanging 20 ones for 2 tens. Children need to justify the method they think is more efficient, e.g.: Whitney's method involves simple additions. Amir's method does not involve changing any of the numbers.
3	a) 128p b) 495 cm c) £4.01 d) 1,402 ml
4	a) multiple possible answers, e.g.: 750 - 200 = 550 550 - 30 = 520 so 750 - 230 = 520 b) multiple possible answers, e.g.: 750 - 300 = 450 450 + 20 = 470 so 750 - 280 = 470 c) 89 - 35 = 54 890 - 350 = 540 80 - 25 = 55 800 - 250 = 550 82 - 45 = 37 820 - 450 = 370
5	a) £92,249 b) £42,250
6	a) $10 \times 8 = 80$
7	a) 190 b) 460 c) 2,700 d) 34,000