

Maths Week 10 Answers

Lesson 1

5a. From L-R: -15, -7, -4, -1, 12

5b. From L-R: -18, -4, 2, 8, 15

6a. 31°C

7b. A. -17; B. -9

7a. A. -28; B. -23

8a. False, because it's pointing to -10.

Challenge

5a. Hannah is incorrect, as halfway between 11 and -13 is -1.

6a. £19

Lesson 2

Addition:

5a. $43,582 + 7,403 = 50,985$

5b. $54,098 + 92,356 = 146,454$

6a. False as $65,218 + 2,703 + 30,192 = 98,113$.

6b. True

Subtraction:

5a. 20,756

5b. 16,724

6a. False. The correct answer is 75,908.

6b. False. The correct answer is 22,388.

Challenge

4a. Yes. $\pounds 4,522 + \pounds 1,897$ ($\pounds 4,522 - \pounds 2,625$) + $\pounds 3,437$ ($\pounds 1,897 + \pounds 1,540$) = $\pounds 9,856$

5a. If A has 4,906 stickers and C has 3,698 stickers, B must have 688 stickers ($9,292 - 4,906 - 3,698 = 688$).

Lesson 3

- 5a. 6 and 36; 8 and 32; 9 and 27
6a. False
7a. 49; 70; 77; 84
8a. Various answers, for example: 28 and 63 (7); 81 and 99 (9); 24 and 48 (12); 42 and 54 (6)

- 5b. 12 and 72; 11 and 99; 4 and 40
6b. True
7b. 60; 72; 96; 108
8b. Various answers, for example: 16 and 32 (8); 77 and 110 (11); 32 and 40 (4); 27 and 72 (9)

Challenge

- 4b. 22 or 44
5b. Shaded – multiples of 8; Circles – multiples of 6 or 12

Lesson 4

- 5a. (2, 8), (4, 4)
The odd one out is (3, 6).
6a. False – 4 and 6 are not factors of 22.
7a. 4 and 6
8a. 3 and 9

Challenge

- 5a. Ella is not correct. The number 8 is the largest common factor of 16 and 24.
6a. 8 is not a factor of 36 so it should not be in the middle of the Venn diagram. It should only be listed as a factor of 24.

Lesson 5

- 5a. 4, 18 and 32
6a. 14 and 49
7a. 4, 10 and 3
8a. False. The prime factors of 4 are 2 and 2
- 5b. 15 and 30
6b. 66 and 44
7b. 21, 14 and 2
8b. True

Challenge

- 4a. 4, 6, 14, 16, 34, 36, 46

