## **Common Multiples**



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## **Common Multiples**

1a. The machine is incorrect. 72 is a common multiple of 3, 6 and 8, but isn't a multiple of 5 because it appears when counting up in 3s, 6s and 8s, but doesn't appear when counting up in 5s.

1b. The machine is correct. 56 is a multiple of 2, 4, 7 and 8 because it appears when counting up in 2s, 4s, 7s and 8s.

2a. The multiple being described is 24.

**2b.** The multiple being described is **48**.

**3a.** Thomas is correct. 8 can be divided equally by 2 and 4, so any multiple of 8 is also a multiple of 2 and 4. For example: 8, 16, 24, 32 etc are all multiples of 8, 4 and 2.

**3b.** Lilly is incorrect. Any multiple of 6 is not always a multiple of 8. However, any multiple of 6 is also a multiple of 3, as 6 can be divided equally by 3.

