

[2017-09-12-T8]

Find all pairs of numbers whose GCD and sum are as stated. (A calculator would be handy for the arithmetic.)

1. GCD = 4, sum = 16.
 2. GCD = 18, sum = 36.
 3. GCD = 18, sum = 144.
 4. GCD = 12, sum = 108.
 5. GCD = 10, sum = 80.
 6. GCD = 9, sum = 198.
 7. GCD = 9, sum = 108.
 8. GCD = 4, sum = 64.
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Answers

- (1) (4, 12)
- (2) (18, 18)
- (3) (18, 126), (54, 90)
- (4) (12, 96), (24, 84), (48, 60)
- (5) (10, 70), (3, 50)
- (6) (9, 189), (27, 171), (45, 153), (63, 135), (81, 117)
- (7) (9, 99), (45, 63)
- (8) (4, 60), (12, 52), (20, 44), (28, 36)