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1. 7, 14, 21, 28, 35, 42, 49, 56, 63, 70, 77, 84, 91, 98
2. 4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 44, 48, 52, 56, 60, 64, 68, 72, 76, 80, 84, 88, 92, 96, 100
3. 9, 18, 27, 36, 45, 54, 63, 72, 81, 90, 99
4. 6, 12, 18, 24, 30, 36, 42, 48, 54, 60, 66, 72, 78, 84, 90, 96...
5. 12, 24, 36, 48, 60, 72, 84, 96...
6. 14, 28, 42, 56, 70, 84, 98...
7. 12, 24, 36, 48, 60, 72, 84, 96...
8. 8, 16, 24, 32, 40, 48, 56, 64, 72, 80, 88, 96...
9. 20, 40, 60, 80, 100...
10. 6
11. 10
12. 12
13. 15
14. 4
15. 12
16. 12
17. 24
18. 24
19. 40
20. 30
21. 150

Think. Answers will vary, for example, 6 is a common multiple of 1, 2 and 3.

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1. 14, 28, 42...
2. 12, 24, 36...
3. 15, 30, 45...
4. 30, 60, 90...
5. 20, 40, 60...
6. 15, 30, 45...
7. 100, 200, 300...
8. 36, 72, 108...
9. 40, 80, 120...
10. 30, 60, 90...
11. 60, 120, 180...
12. 150, 300, 450...

Think. There are an infinite number of common multiples.

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1.

57	58	59	60	61	62	63	64	65
56	31	32	33	34	35	36	37	66
55	30	13	14	15	16	17	38	67
54	29	12	3	4	5	18	39	68
53	28	11	2	1	6	19	40	69
52	27	10	9	8	7	20	41	70
51	26	25	24	23	22	21	42	71
50	49	48	47	46	45	44	43	72
	80	79	78	77	76	75	74	73
2. 37
3. 29
4. 31
5. 53
6. 37
7. 71 or 73
8. Answers may vary
Think. Answers will vary, for example, 13 and 31.

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1. false
2. true
3. true
4. false
5. false
6. true
7. true
8. false
9. true
10. true
11. true
12. true
13. 17 and 73, 19 and 71, 23 and 67, 29 and 61, 31 and 59, 37 and 53, 43 and 47
Think. Answers will vary.

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1. $1111 \div 5 = 222 \text{ r } 1$
2. $2222 \div 5 = 444 \text{ r } 2$
3. $3333 \div 5 = 666 \text{ r } 3$
4. $4444 \div 5 = 888 \text{ r } 4$
5. $5555 \div 5 = 1111$
6. $6666 \div 5 = 1333 \text{ r } 1$
7. $7777 \div 5 = 1555 \text{ r } 2$
8. $8888 \div 5 = 1777 \text{ r } 3$
9. $9999 \div 5 = 1999 \text{ r } 4$
10. 185 r 1, 370 r 2, 555 r 3, 740 r 4, 925 r 5, 1111, 1296 r 1, 1481 r 2, 1666 r 3
11. It increases by one each time.

12. 158 r 5, 317 r 3, 476 r 1, 634 r 6, 793 r 4, 952 r 2, 1111, 1269 r 5, 1428 r 3
13. 370 r 1, 740 r 2, 1111, 1481 r 1, 1851 r 2, 2222, 2592 r 1, 2962 r 2, 3333: remainder follows the pattern 1, 2, 0, 1, 2, 0...
14. 138 r 7, 277 r 6, 416 r 5, 555 r 4, 694 r 3, 833 r 2, 972 r 1, 1111, 1249 r 7: remainder decreases by one each time (up to 9999, when it goes back up to 7).
15. 123 r 4, 246 r 8, 370 r 3, 493 r 7, 617 r 2, 740 r 6, 864 r 1, 987 r 5, 1111

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All questions to be answered using long division.

1. $52 \frac{1}{12}$
2. $63 \frac{2}{12}$ or $63 \frac{1}{6}$
3. $23 \frac{3}{25}$
4. $32 \frac{2}{13}$
5. $42 \frac{11}{13}$
6. $31 \frac{14}{25}$
7. $52 \frac{2}{13}$
8. $35 \frac{4}{25}$
9. $12 \frac{1}{25}$

Think. Answers will vary.

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All questions to be answered using long division.

Think. Question 11 has the biggest answer.

1. $43 \frac{7}{13}$
2. $36 \frac{3}{25}$
3. $35 \frac{7}{14}$ or $35 \frac{1}{2}$
4. $43 \frac{9}{21}$ or $43 \frac{3}{7}$
5. $57 \frac{8}{13}$
6. $33 \frac{11}{14}$
7. $37 \frac{12}{21}$ or $37 \frac{4}{7}$
8. $35 \frac{21}{25}$
9. 61
10. $10 \frac{19}{25}$
11. $63 \frac{13}{14}$
12. $18 \frac{19}{21}$

Think. Answers will vary.