Set 1

1. **Answer: 6**

2. **Answer: 5**

Set 2

3. **Answer: 44**

4. **Answer:** $\frac{1}{10}$

5. **Answer: 200**

Set 3

6. **Answer: 36**

7. **Answer: 36**

8. **Answer: 9**

Set 4

9. **Answer: 20**

10. **Answer: 110**

11. **Answer: 992**

12. **Answer:** $\frac{1}{28}$

Set 5

13. **Answer: 4**

14. **Answer: 16**

Set 6

15. **Answer: 8**

16. **Answer: 3**

17. **Answer: 24**

18. **Answer: 60**

Set 7

19. **Answer:** $1 + \sqrt{5}$

20. **Answer:** $\frac{\sqrt{5}}{5} + 1$