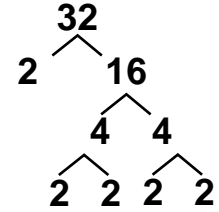
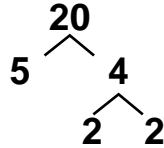
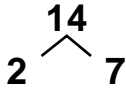


These are factor trees. A factor tree is used to determine the prime factors of a number. (Reminder: A prime factor is a number that can only be the product of one and itself.)



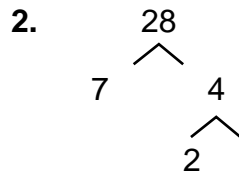
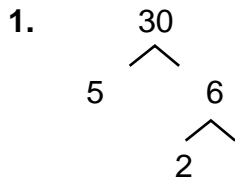
The prime factors of 14 are 2 and 7. ( $2 \times 7 = 14$ )

The prime factors of 20 are 5 and 2. ( $5 \times 2 \times 2 = 20$ )

The prime factor of 32 is 2. ( $2 \times 2 \times 2 \times 2 \times 2 = 32$ )

Factor trees can be made using several patterns to reach the prime numbers. Whichever tree pattern you choose, you will eventually reach the same prime numbers.

**Directions:** Use factor trees to determine the prime factors of these numbers. The first two are started for you.



5. 50

6. 66

7. 77

8. 63

9. 15

10. 18

11. 22

12. 36

13. 8

14. 64

15. 25

16. 125