

Lesson 22

Problem Set

- Answer provided
 - $1 \times 6 = 6$, $2 \times 3 = 6$; 1, 2, 3, 6; C
 - $1 \times 7 = 7$; 1, 7; P
 - $1 \times 9 = 9$, $3 \times 3 = 9$; 1, 3, 9; C
 - $1 \times 12 = 12$, $2 \times 6 = 12$; $3 \times 4 = 12$; 1, 2, 3, 4, 6, 12; C
 - $1 \times 13 = 13$; 1, 13; P
 - $1 \times 15 = 15$, $3 \times 5 = 15$; 1, 3, 5, 15; C
 - $1 \times 16 = 16$, $2 \times 8 = 16$, $4 \times 4 = 16$; 1, 2, 4, 8, 16; C
 - $1 \times 18 = 18$, $2 \times 9 = 18$, $3 \times 6 = 18$; 1, 2, 3, 6, 9, 18; C
 - $1 \times 19 = 19$; 1, 19; P
 - $1 \times 21 = 21$; $3 \times 7 = 21$; 1, 3, 7, 21; C
 - $1 \times 24 = 24$, $2 \times 12 = 24$, $3 \times 8 = 24$, $4 \times 6 = 24$; 1, 2, 3, 4, 6, 8, 12, 24; C
- For 25: (1, 25); (5, 5); composite; more than 2 factors
For 28: (1, 28); (2, 14); (4, 7); composite; more than 2 factors
For 29: (1, 29); prime; only 2 factors
- 2, 3, 5, 7, 11, 13, 17, 19
 - 2 is a prime and even number.
- Incorrect; 3 is not a factor of 28.

Exit Ticket

- $1 \times 9 = 9$, $3 \times 3 = 9$; 1, 3, 9; C
- $1 \times 12 = 12$, $2 \times 6 = 12$; $3 \times 4 = 12$; 1, 2, 3, 4, 6, 12; C
- $1 \times 19 = 19$; 1, 19; P

Homework

1.
 - a. Answer provided
 - b. $1 \times 10 = 10$, $2 \times 5 = 10$; 1, 2, 5, 10; C
 - c. $1 \times 11 = 11$; 1, 11; P
 - d. $1 \times 14 = 14$, $2 \times 7 = 14$; 1, 2, 7, 14; C
 - e. $1 \times 17 = 17$; 1, 17; P
 - f. $1 \times 20 = 20$, $2 \times 10 = 20$, $4 \times 5 = 20$; 1, 2, 4, 5, 10, 20; C
 - g. $1 \times 22 = 22$, $2 \times 11 = 22$; 1, 2, 11, 22; C
 - h. $1 \times 23 = 23$; 1, 23; P
 - i. $1 \times 25 = 25$, $5 \times 5 = 25$; 1, 5, 25; C
 - j. $1 \times 26 = 26$; $2 \times 13 = 26$; 1, 2, 13, 26; C
 - k. $1 \times 27 = 27$, $3 \times 9 = 27$; 1, 3, 9, 27; C
 - l. $1 \times 28 = 28$, $2 \times 14 = 28$, $4 \times 7 = 28$; 1, 2, 4, 7, 14, 28; C
2. For 19: (1, 19); prime; only 2 factors
For 21: (1, 21); (3, 7); composite; more than 2 factors
For 24: (1, 24); (2, 12); (3, 8); (4, 6); composite; more than 2 factors
3.
 - a. 1, 3, 5, 7, 9, 11, 13, 15, 17, 19
 - b. 9 and 15 are odd and composite
4. Correct; 3 is a factor of 27