

To understand and identify factor pairs - Questions

1. Use counters to help you find all the factor pairs of these numbers.

- a. 18
 - b. 20
 - c. 30
 - d. 28
 - e. 32
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2. Create factor bugs for these numbers.

- a. 27
 - b. 24
 - c. 22
 - d. 40
 - e. 42
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3. True or false? Prove your answer is correct.

- a. 35 has four factors.
- b. 24 six factors.
- c. The factors of 18 are 2, 6, 9 and 3.
- d. The larger the number, the more factors it has.
- e. 25 and 27 have the same number of factors.
- f. 60 has double the number of factors of 30.

To understand and identify factor pairs - Answers

Question No.	Question	Answer
1	Use counters to help you find all the factor pairs of these numbers. a. 18 b. 20 c. 30 d. 28 e. 32	a. 1, 2, 3, 6, 9, 18 b. 1, 2, 4, 5, 10, 20 c. 1, 2, 3, 5, 6, 10, 15, 30 d. 1, 2, 4, 7, 14, 28 e. 1, 2, 4, 8, 16, 32
2	Create factor bugs for these numbers. a. 27 b. 24 c. 22 d. 40 e. 42	a. 1, 3, 9, 27 b. 1, 2, 3, 4, 6, 8, 12, 24 c. 1, 2, 11, 22 d. 1, 2, 4, 5, 8, 10, 20, 40 e. 1, 2, 3, 6, 7, 14, 21, 42
3	True or false? Prove your answer is correct. a. 35 has four factors. b. 24 six factors. c. The factors of 18 are 2, 6, 9 and 3. d. The larger the number, the more factors it has. e. 25 and 27 have the same number of factors. f. 60 has double the number of factors of 30.	a. True (1, 5, 7, 35) b. False (1, 2, 3, 4, 6, 8, 12, 24) c. False (1, 2, 3, 6, 9, 18) d. False (47 has two factors and is larger than 36 which has 9 factors) e. False (25 has three factors, 27 has four factors) f. False (60 has twelve factors, 30 has eight factors)