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- 1. List all the factors of 48.
- 2. List the common factors of 24 and 36.
- 3. List the greatest common factor (GCF) of 32 and 60.
- 4. List the greatest common factor (GCF) of 20 and 42.
- 5. List the first 8 multiples of 6.
- **6.** List the first 3 common multiples of 15 and 20.
- 7. List the least common multiple (LCM) of 8 and 12.
- 8. List the least common multiple (LCM) of 16 and 24.
- 9. List all the prime numbers less than 20.
- 10. How many factors do composite numbers have?
- 11. How many factors do prime numbers have?
- 12. Give the prime factorization with exponents of 36.
- 13. Give the prime factorization with exponents of 68.
- 14. Give the prime factorization with exponents of 60.
- **15.** Simplify this equation using exponents: $3 \cdot 3 \cdot 5 \cdot 5 \cdot 5 \cdot 5 \cdot 7$
- **16.** Simplify this equation using exponents: $2 \cdot 2 \cdot 2$
- 17. Give the expanded equation and answer for 34.
- **18.** Give the expanded equation and answer for: $23 \cdot 32 \cdot 72 =$
- 19. What number is the square root of 144?
- 20. What number is the square root of 100?

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TXXXXXXXXX ANTICS

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occurs in the decoder, write the letter of the problem above it. DIRECTIONS: To find the entry word for each of the following definitions, solve each problem. Each time your answer

3 6	What aardvarks take for an upset stomach:	What aardvarks like on their pizza:
ı		ω
99	ω	6
a	·	99
	6	23
1	99	58
23	ω	29
99	23	ω
	12	•
12	•	12
23	35	18
ω	2	2

- 1. Name the greatest common factor of 24 and 36.
- 7. Name the only even prime. = _____
- 2. Name a two digit number that is divisible by both 6 and 9. = ___E
- 8. Name a factor of 24 and 32 that is also a multiple of 8. =

3. Name the largest two digit multiple of 11._____T

- 9. Name a two digit number that is a factor of 22. = _____R
- 4. Name the smallest even number divisible both by 2 and 3. =
- 10. Name a two digit prime number whose digits add up to 5. =

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5. Name the prime number between 25 and 30.

- Name a two digit multiple of 7 that its digits add up to 8.
- Name the largest composite number between 1 and 60. = I 12. Name a prime number that is a factor of 12 and 27. =

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