What is the smallest number that is evenly divisible by all of the numbers from 1-20?

Ex. The smallest number divisible by 1-10 is 2520

$$1\ 2\ 3\ 4\ 5\ 6\ 7\ 8\ 9\ 10$$
$$\downarrow\qquad\downarrow\quad\downarrow\ \downarrow\quad\downarrow$$
$$2^2\qquad 2\cdot3\quad 2^3\ 3^2\quad 2\cdot5$$

Multiply the higest power of each prime factor: $2^3 \cdot 3^2 \cdot 5 \cdot 7 = 2520$

$$1\ 2\ 3\ 4\ 5\ 6\ 7\ 8\ 9\ 10\ 11\ 12\ 13\ 14\ 15\ 16\ 17\ 18\ 19\ 20$$
$$\downarrow\ \downarrow\ \downarrow\ \downarrow\ \downarrow\ \ \downarrow\qquad\ \downarrow\ \downarrow\ \downarrow\ \ \downarrow\ \ \downarrow$$
$$2^2\ \ 2\cdot3\ \ 2^3\ 3^2\ 2\cdot5\ 3\cdot2^2\quad 2\cdot7\ 3\cdot5\ 2^4\ \ 2\cdot3^2\ 2^2\cdot5$$

$$2^4 \cdot 3^2 \cdot 5 \cdot 7 \cdot 11 \cdot 13 \cdot 17 \cdot 19$$