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EVI Determine if converges/diverges, if passible find the sum

$$\sum_{n=0}^{\infty} 5\binom{3}{r_{4}}^{n} = \frac{1}{2} \operatorname{cr}^{n} \left[\begin{array}{c} c=s \\ r=3/4 \end{array} \right] = \frac{5}{1-3/4} = \frac{5}{1/4} = 20$$

$$E_{X} 2 \qquad \sum_{n=0}^{\infty} \pi^{n} = 1 + \pi + \pi^{2} + \pi^{3} + \dots \quad \text{diverge } b/c \quad \text{geometric service} \quad c=1$$

