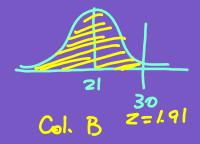
MORE NORMAL DISTRIBUTION



Z = # of standard devictions from the mean.

ACT U=21 5=4.7

Billy Bob scored 30. What is his percentile rank,

 $z = \frac{30-21}{4.7} = \frac{9}{4.7} = 1.91$

Z = Rew - Mean - X-11 St. Dev.

Edwina scored at 30th percentile. What was her raw score.

$$Z = \frac{X - M}{2}$$

$$1.7 \cdot 0.52 = \frac{X - 21}{4.7}$$

$$-2.44 = X - 21$$

$$18.56 = X$$

A three store has 200 tires in stock. The

Mean life of these tires is 55,000 miles with a

Standard deviation of 4000 miles. How many

of the tires will last more than 60,000 miles? $Z = \frac{60,000 - 55,000}{4000} = \frac{5000}{4000} = 1.95$ Show coas

Col. C. 0.1056

A 200

21 tires

Col. C. 0.1056

