

Skills Review for Standardized Tests

97. SAT/ACT If m and n are both positive, then which of the following is equivalent to $\frac{2m\sqrt{18n}}{m\sqrt{2}}$?

- A $3m\sqrt{n}$ D $6\sqrt{n}$
B $6m\sqrt{n}$ E $8\sqrt{n}$
C $4\sqrt{n}$

98. REVIEW If $f(x, y) = x^2y^3$ and $f(a, b) = 10$, what is the value of $f(2a, 2b)$?

- F 50 J 320
G 100 K 640
H 160

99. REVIEW The number of minutes m it takes c children to eat p pieces of pizza varies directly as the number of pieces of pizza and inversely as the number of children. If it takes 5 children 30 minutes to eat 10 pieces of pizza, how many minutes should it take 15 children to eat 50 pieces of pizza?

- A 30 C 50
B 40 D 60

100. If $\sqrt[3]{5m + 2} = 3$, then $m = ?$

- F 3 H 5
G 4 J 6