htw

NOTES

TALK the TALK

Put Me In, Coach

A soccer team has been awarded a penalty shot at the end of a tie game. If they make the penalty shot, they will win the league championship. The coach is considering three players to take the penalty. Amber has taken 4 penalty shots this season and has made 3 of them. Lindsay has taken 6 penalty shots and made 4. Li has taken 3 penalty shots and made 2.

1. **Which player would you recommend take the penalty shot? Why?**

$\frac{3}{4}$ $\frac{4 \text{ made}}{6 \text{ taken}}$ $\frac{2}{3}$

Amber Lindsay Li

0.75 0.67

$3\overline{)2.000}$ = 0.666...

I recommend Amber take the shot, since she made 75% of her shots. Lindsay & Li only made 67% of their shots.

✓ good

Review

1. During the spring sports season, students at Hillbrook Middle School have the opportunity to either play baseball, run outdoor track, or play lacrosse. Of the 75 students at Hillbrook who play a spring sport, 30 run track, 25 play baseball, and 20 play lacrosse. Write the ratios and determine whether a part-to-part or part-to-whole relationship exists.
   a. track runners to baseball players → 30 track runners / 25 baseball players part-to-part
   b. track runners to total number of athletes → 30 track runners : 75 total athletes part-to-whole

2. Determine the area of each face of a cube with the given surface area.
   a. 306.6 m^2 → 51.1 m^2 (6 | 306.6; −30↓; 6; −6)
   b. 450 $in.^2$ → 75 $in.^2$ (6 | 450; −42↓; 30; −30)

3. Determine each sum.
   a. $\frac{1}{6} + \frac{2}{3} = \frac{4}{6}$ → $\frac{1}{6} + \frac{4}{6} = \frac{5}{6}$
   b. $\frac{5}{8} + \frac{1}{2} = \frac{4}{8}$ → $\frac{5}{8} + \frac{4}{8} = \frac{9}{8} = 1\frac{1}{8}$