DO NOW

GRADE 7 · 5 MINUTES · START RIGHT AWAY

Lesson 7-7b

Simulate a Probability Situation Using a Coin

Name _____ Date _____ Per _____

1 FLUENCY

Boys and girls are equally likely. You flip coins to simulate families with 4 children.

Coins per trial: ☐

Total flips for 25 trials: ☐

2 VISUAL MODEL

Raj guesses on 3 true/false questions. Each trial = 3 coin flips (H = correct). Find the trials with **exactly** 2 correct.

HHT	THT	HTH	TTT	HHH	THH
HTT	HHT	TTH	HTH	THT	HHH

Trials: ☐ P(exactly 2) ≈ ☐/☐

3 APPLICATION

Zoe makes 50% of her free throws. She flips 2 coins per trial (H = make). In 30 trials, she got HH 8 times. Predict how many times in 60 trips she makes both shots.

About _____ times

WORK

4 REASONING

Always, sometimes, or never? "A coin simulation with 10 trials gives exactly the theoretical probability." Explain.

Always **Sometimes** **Never**

_____

_____

*We don't divide our effort, we **multiply** it!*

✎ Show your work ✓ Check your work ★ Try your best

Preview - the full worksheet and its answer key are at primeworksheet.com