DO NOW

GRADE 7 · 5 MINUTES · START RIGHT AWAY

Lesson 7-2b

Determine Theoretical Probability

Name _____ Date _____ Per _____

1 FLUENCY

One letter tile is picked at random from the word **PROBABILITY**.

P(B) = $\frac{\square}{\square}$ P(not I) = $\frac{\square}{\square}$

2 VISUAL MODEL

One of these cards is chosen at random. Find each theoretical probability.

3	5	8	10	12	15	7	20

P(greater than 10) = $\frac{\square}{\square}$ P(multiple of 5) = $\frac{\square}{\square}$

3 APPLICATION

A class has 14 girls and 16 boys. The teacher draws one name at random to lead the warm-up. Find P(girl) and P(boy).

P(girl) = $\frac{\square}{\square}$ P(boy) = $\frac{\square}{\square}$

WORK

4 REASONING

Select TWO events with a probability of $\frac{1}{3}$.

- **A** Rolling a 1 or 2 on a number cube
- **B** Flipping a coin and getting tails
- **C** Landing on red: 3 equal sections, 1 red
- **D** Picking red: 1 red cube, 3 blue cubes

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

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

PREVIEW PREVIEW PREVIEW

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