



8th Grade Bellwork

Week 14 - Dec 3 - 7

Accuracy of Models

KCA #9 Session ID: TTOVFS6465

1. Philip checked out 3 times as many books from the library as Sarah checked out. He returned 7 of the books the following day. Let B stand for the number of library books Sarah has. How many library books does Philip have now?

- A. $3B$ B. $3B + 7$
 C. $7B - 7$ D. $3B - 7$

2. Mike has a spinner with 2 yellow spaces, 2 red spaces and 2 blue spaces. He wants to choose one item at random, giving each item equal chances for being picked. Which situation cannot be modeled with this spinner?

- A. He has 2 movies and wants to randomly choose one to watch.
 B. He has 3 kinds of pop to choose from.
 C. He wants to choose 6 of his classmates to go to the baseball game.
 D. There are 6 soccer teams he'd like to play for this summer; he gets to choose one of them.

3. Maggie bought boots worth B dollars on Black Friday and had a coupon for 20% off. She figured her sales price (S) using

$$S = B - 0.20$$

What did she do wrong?

- A. She should have added 0.20
 B. She should have taken $0.20B$ away from B .
 C. She should have added $0.20B$ to B .
 D. She should have taken 80% of S .

4. Paul decides to determine how much of his time each day is spent on his everyday tasks. He decides that he spends 10 hours sleeping, 6 hours at school, 4 hours on homework, 2 hours eating, and 2 hours on exercise. What does not represent the time spent on homework?



- A. 17% B. $1/6$
 C. 0.17 D. $1/5$

5. Which response accurately models that a balloon is inflated, partially deflated, and then completely inflated again.



