TUTOMONS TOMONOMON 4/29 Probability Test Review Test Thurs
Probability Test Review
2D and 3D Measurement Included
Use the spinner to answer #1 – 3. Answer as a fraction in simplest form. $\begin{pmatrix} 1 & 3 \end{pmatrix}$
1) What is the P(a number less than 5)? 8
2) What is the P(prime number)? /2
3) What is the $P(\text{odd})$? $3/\mu$
4) Pamela tosses two coins, and rolls a 6 sided number cube. How many outcomes HH3 are there in the sample space? 5) The Duggar family has 4 children, so far. Drawl to a tree diagram to show all the possible combinations of boys and girls in the family.
Identify the following situations (6 – 9) as independent, 7, or dependent, D, events?
6) You roll a number cube and if you get a 5, you roll it again.

- 6) Your
- 7) You toss a coin, then toss it again, and toss it again.
- 8) You pick a card, do not replace it, and draw another card.
- 9) You draw a red marble, replace it, and draw a yellow marble.

Find the probability of each event. *Hint some are independent, some are dependent.

10) A coin is tossed 6 times. What is the probability of getting heads all 6 times?

11) Use the results from problem #4. What is the probability of both coins landing on the same side and rolling an even number?

20) How many cubic feet of mulch can be hauled in a dump truck if its bed is 7 feet deep, 4.5 feet wide, and 10 feet long.

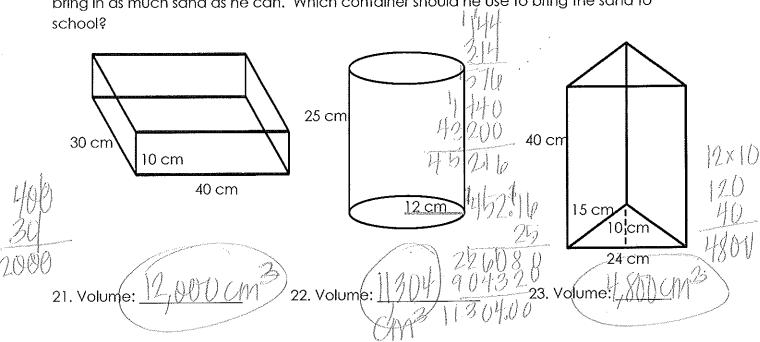
A. 480 cu. ft.

B. 315 cu. ft.

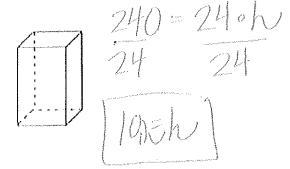
B. 157 cu. ft.

D. 157 cu. ft.

21-23) James is bringing sand to school for an art project. His group is counting on him to bring in as much sand as he can. Which container should he use to bring the sand to



24) The volume of the solid figure below is 240 cubic inches. The area of its base is 24 square inches. What is the height of the solid?



25) Haley checked a cylindrical beaker in the science lab and found that it was $\frac{1}{2}$ empty. How many cubic centimeters of fluid remains in the beaker?

