



Type your name below and select Start Game to begin.

Critical Thinker

Clear

START GAME



MATH DETECTIVE®

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Welcome, Detective Critical Thinker!

QUICK INSTRUCTIONS:

Select a Case File button from the list below to investigate a case.
Select the Status button to restart a case.
Try to earn all 34,800 points!



Level 3

Progress Meter



Total Points

2040

Rank:

Official 2-Star Junior Detective

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#	CASE FILE	STATUS	TOPIC	TRIES	BADGE PTS	SCORE (%)
1.	The Train Ride	Complete	Number and Numeration	1	1000	100
2.	Well Rounded	Complete	Number and Numeration	1	520	87
3.	The Inca Quipu	Incomplete	Number and Numeration	1		
4.	At the Arcade		Number and Numeration			
5.	The Sieve of Eratosthenes		Number and			



25. The Buttons

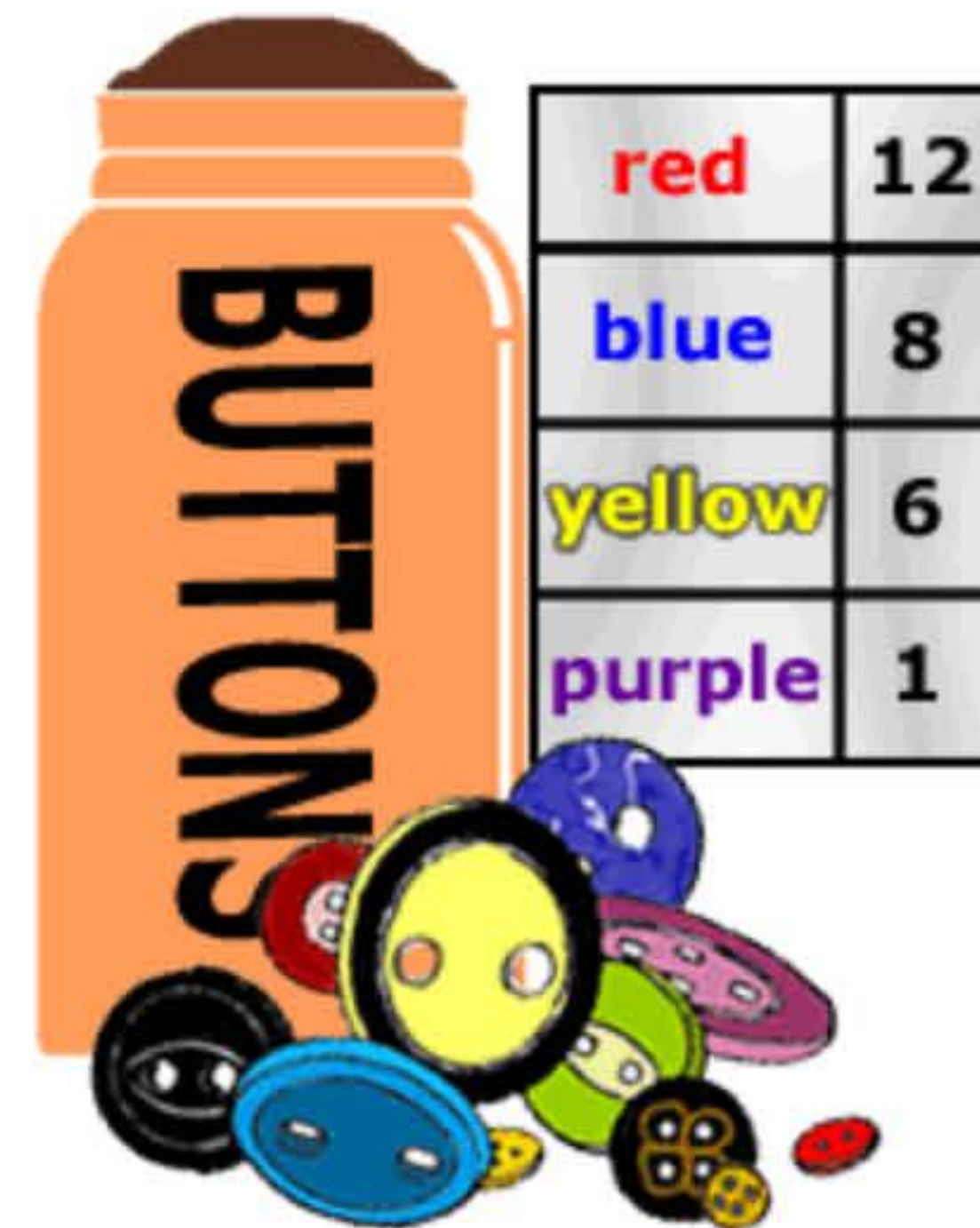
Veni's mom had a jar with some old buttons in it. She asked Veni to pick two buttons for a blouse she was making Veni for the school musical.

Veni began to make a list of how many buttons of each color were in the jar, and she made the chart shown on the right. She couldn't decide on which buttons to pick, so she put them all back in the jar and shook the jar. She said to her mom, "I'll just take a chance and reach in without looking and pick two buttons, one at a time. I'll probably get two red buttons if I pick them at random since there are a lot of red buttons."

Her mom said, "Well, your blouse would still look nice even if you ended up with two different colored buttons."

Text Size

Image

**1** **2** **3** **4** **5**

1. If Veni takes a button without looking, what are her odds of getting a purple one?

- A. 1/6
B. 1/8
C. 1/27
D. 1/28

Check Answer

Hint

<< Next >>

Status

Correct Answer

Great Job, Detective!

Explanation

The numbers on the chart support the answers given, since there is only one purple button out of a total of 27 buttons.



Scoring Statistics

All Activity-based scoring data comes from your last attempt.

Critical Thinker

Overall Scoring Summary

AVERAGE SCORE	HIGH SCORE	LOW SCORE	ACTIVITIES COMPLETED	UNFINISHED ACTIVITIES	UNATTEMPTED ACTIVITIES
94%	100%	87%	2	1	37

Overall Scoring Details (click Activity name for more specific details)

#	TYPE	ACTIVITY	STATUS	ATTEMPTS	TOTAL QUESTIONS	CORRECT	PARTIALLY CORRECT	INCORRECT	HINTS	POINTS	SCORE
<u>1</u>	Number and Numeration	The Train Ride	Complete	1	7	7	0	0	0 of 5	1000/1000	100%
<u>2</u>	Number and Numeration	Well Rounded	Complete	1	5	4	0	1	0 of 4	520/600	87%
<u>3</u>	Number and Numeration	The Inca Quipu	Incomplete	1	8				0 of 7		

Tuesday, July 21, 2015
Congratulations, Detective!

This certifies that **Critical Thinker** successfully demonstrated
higher-order thinking skills.

THE MATH DETECTIVE



Official 2-Star Junior Detective

Math Detective A1
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