MATH DETECTIVE® B1

Type your name below and select Start Game to begin.

Critical Thinker

Clear

START GAME

$(5\times5)-22 = 3$

$(20\div4)+4 = ?$

$(5\times4)+4=24$

MATH DETECTIVE OFFICE

MATH DETECTIVE STATISTICS

START

Welcome, Detective Critical Thinker!
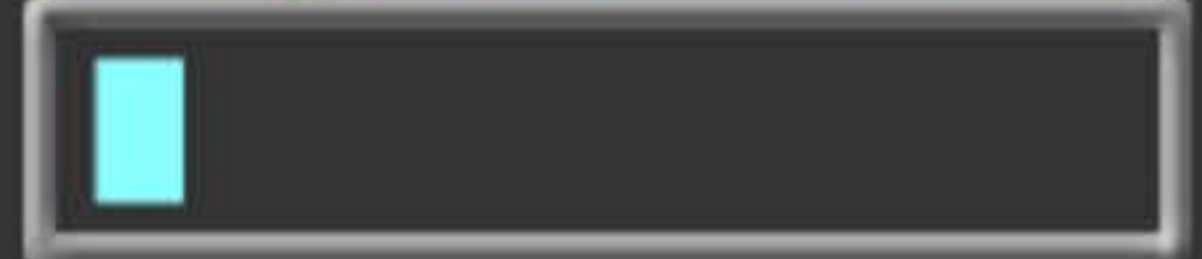
Level 4

Progress Meter

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 35,400 points!

Total Points

2500

#	CASE FILE	STATUS	TOPIC	TRIES	BADGE PTS	SCORE (%)
1.	The Summit Summer Camp	Complete	Number and Numeration	1	1600	100
2.	The Prime Dart Game	Complete	Number and Numeration	1	900	100
3.	Let's Have Some Order!	Incomplete	Number and Numeration	1		
4.	David's Division Dilemma		Number and Numeration			
5.	The Amazing Mayans		Number and Numeration			
6.	The Planet Report		Number and Numeration			

Rank:

Official 3-Star Junior Detective

View Certificate

Text Size   Image △ ▽

32. Winning the Shopping Spree

Two electronics stores are advertising a chance to win a shopping spree to buy video games. Store A claims that all its prizes will have a mean (average) value of $110. Store B claims that all its prizes have the same mean value as Store A.

Liam knows both stores have great video games, and that's what he'll buy if he wins. A raffle ticket will cost $10 at either store, and each store will have five money prizes to give away. Liam can afford to enter only one raffle.

Ben warns Liam that he should find out the amounts of the five prizes at each store before he buys his ticket.

The charts below show the prizes each store will award.

Store A	
1st prize	$400
2nd prize	$ 80

Store B	
1st prize	$160
2nd prize	$150

1 2 3 4 5 6

5a. Liam entered Store B's raffle and won second prize! How much money did he actually make?

A. ⦿ $140
B. ○ $150
C. ○ $160
D. ○ $70

5b. Select the sentence in the story that best supports the answer.

Check Answer   Hint   << Next >>   Status

Correct Answer
Great Job, Detective!

Explanation

The second prize for Store B is $150. He made $140 after the $10 he spent on the raffle ticket.

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
100%	100%	100%	2	1	41

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

#	TYPE	ACTIVITY	STATUS	ATTEMPTS	TOTAL QUESTIONS	CORRECT	PARTIALLY CORRECT	INCORRECT	HINTS	POINTS	SCORE
1	Number and Numeration	The Summit Summer Camp	Complete	1	6	6	0	0	0 of 6	1600/1600	100%
2	Number and Numeration	The Prime Dart Game	Complete	1	5	5	0	0	0 of 4	900/900	100%
3	Number and Numeration	Let's Have Some Order!	Incomplete	1	6				0 of 0		

Tuesday, July 21, 2015

Congratulations, Detective!

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

THE MATH DETECTIVE

Official 3-Star Junior Detective

Math Detective B1

by The Critical Thinking Co.™

Back to Cases