









Mrs Quinn can't remember the code to her safe. Can you help by solving the clues and discovering the code?

LOCK LETTER	WORD PROBLEM	ANSWER
A 	Andy went to a picnic with 18 apples. Anna turned up with half as many. How many apples did they have in total?	
B 	The boys' basketball team has 12 players. $\frac{1}{3}$ of them became ill, but the coach could only find 2 replacements. How many more replacements does he need?	
C 	A local bakery sold 4 pies Monday, 6 pies Tuesday, 8 cakes Wednesday, and half as many cakes on Thursday as they did Wednesday. How many cakes and pies were sold altogether on those days?	
D 	An ice rink can support 60 people skating at once. $\frac{1}{2}$ that many people, plus an additional 12 people were skating on Sunday. How many people skated on Sunday?	
E 	The school library has 30 adventure books. Another 20 were donated. Clara took out 3 books of them to read, and her brother took out 1. How many adventure books were left?	
F 	Stanley cooked 16 pancakes for his mom, dad, sister, and himself. If he shared them equally, how many pancakes did each person get?	
G 	Amanda spend 10 minutes on the phone Monday. She then spent double that time on the phone on Thursday. On Friday, she was on the phone for an hour. How many minutes did she spend on the phone on those 3 days?	
H 	Jane's dog always barks twice when he needs to go outside. If her dog went outside 9 times in a day, how many times did he bark?	

FINAL PROBLEM

Use the answers from the questions above to unlock the final code: $E + B + D = \underline{\quad\quad}$ then subtract A.






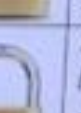
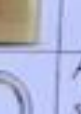
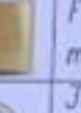
Final answer:

YOUR FINAL STEP:

Use the answer, and use the digits from the answer to lock H. This will make your 4-digit code:

Answers

Mrs Quinn can't remember the code to her safe. Can you help by solving the clues and discovering the code?

LOCK LETTER	WORD PROBLEM	ANSWER
A 	Andy went to a picnic with 18 apples. Anna turned up with half as many. How many apples did they have in total?	$\begin{array}{r} 18 \\ + 9 \\ \hline 27 \end{array}$ (27)
B 	The boys' basketball team has 12 players. $\frac{1}{3}$ of them became ill, but the coach could only find 2 replacements. How many more replacements does he need?	$\frac{1}{3} \text{ of } 12 = 4$ (2)
C 	A local bakery sold 4 pies Monday, 6 pies Tuesday, 8 cakes Wednesday, and half as many cakes on Thursday as they did Wednesday. How many cakes and pies were sold altogether on those days?	$4 + 6 + 8 + 4$ (22)
D 	An ice rink can support 60 people skating at once. $\frac{1}{2}$ that many people, plus an additional 12 people were skating on Sunday. How many people skated on Sunday?	$30 + 12$ $=$ (42)
	The school library has 30 adventure books. Another 20 were donated. Clara took out 3 books of them to read, and her brother took out 1. How many adventure books were left?	$50 - 4$ (46)
	Stanley cooked 16 pancakes for his mom, dad, sister, and himself. If he shared them equally, how many pancakes did each person get?	$16 \div 4$ $=$ (4)
	Amanda spend 10 minutes on the phone Monday. She then spent double that time on the phone on Thursday. On Friday, she was on the phone for an hour. How many minutes did she spend on the phone on those 3 days?	$10 + 20 + 60$ (90)
	Jane's dog always barks twice when he needs to go outside. If her dog went outside 9 times in a day, how many times did he bark?	$9 \times 2 =$ (18)

FINAL PROBLEM

Use the answers from the questions above to unlock the final code:

$$46 + 2 + 42 \quad 90 - 27$$

$$E + B + D = 90 \quad \text{then subtract A.}$$

Final answer: 63

YOUR FINAL STEP:

Use the answer, and use the digits from the answer to lock H. This will make your 4-digit code:

6 3 1 8