



Practice quiz on Sets

Übungsquiz • 15 min



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Practice quiz on Sets

GESAMTPUNKTZAHL 3

1. Let $A = \{1, 3, 5\}$. Is the following statement: $3 \in A$. True or false?

1 / 1 Punkten



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Richtig

The symbol \in stands for "is an element of" and it is true that 3 is an element of A . The other two elements of A are 1 and 5.

2. Let $E = \{-1, -2, -3\}$. Compute the cardinality $|E|$ of E :

1 / 1 Punkten

☐ E

☐ 0

☒ 3

☐ 2



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Recall that the cardinality of a set is the number of elements in it. Since E has three elements (which are $-1, -2, -3$), the cardinality of E is $|E| = 3$.

3. Let $A = \{1, 3, 5\}$ and $B = \{3, 5, 10, 11, 14\}$.

1 / 1 Punkten

Which of the following sets is equal to the intersection $A \cap B$?

☐ $\{1, 3, 5\}$

☒ $\{3, 5\}$

☐ $\{3, 5, 10\}$

☐ $\{3\}$



Richtig