

Odd Fraction Answer Key

1. Values: $A = 8$, $B = 8$, $C = 9$, $D = 8$

Doesn't belong: C

Reason: It is the only expression with a value of 9.

2. Values: $A = 15$, $B = 15$, $C = 15$, $D = 12$

Doesn't belong: D

Reason: It is the only expression with a value of 12.

3. Values: $A = 6$, $B = 6$, $C = 6$, $D = 6$

Doesn't belong: None

Reason: All four expressions have the same value.

4. Values: $A = 12$, $B = 12$, $C = 12$, $D = 12$

Doesn't belong: None

Reason: All four expressions have the same value.

5. Values: $A = 12$, $B = 12$, $C = 10$, $D = 12$

Doesn't belong: C

Reason: It is the only expression with a value of 10.

Teacher's Guide

- Encourage students to compute every expression before deciding which one does not belong.
- Remind students that a complete explanation is as important as choosing the correct expression.
- Pair students to compare their reasoning, especially for sets where no expression is different.
- Invite students to create their own set of four expressions with one odd value or with all equal values.
- Discuss how different fraction expressions can produce the same result even when the fractions and whole numbers are different.
- Use the "None" examples to reinforce that mathematical reasoning sometimes shows all choices belong together.