

Lesson 11: Which One Doesn't Belong?

- Let's complete and create Which One Doesn't Belong sets.

Warm-up: Which One Doesn't Belong: Strings of Numbers

Which one doesn't belong?

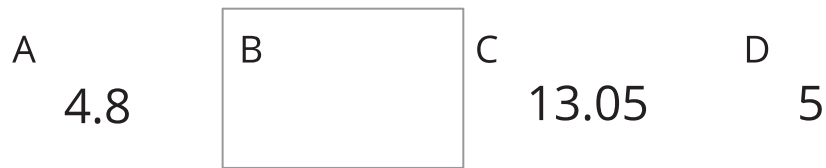
- A. 0, 4, 8, 12, 16
- B. 3, 6, 9, 12, 15
- C. 5, 105, 205, 305, 405
- D. 6, 60, 600, 6,000, 60,000

11.1: Add One That Doesn't Belong

Here are two incomplete Which One Doesn't Belong sets, each with one item missing. For each set:

- Find at least one reason that all items belong in the set.
- Find at least one reason that each item doesn't belong.
- Add an item to complete each set. Make sure there is at least one reason it belongs and one reason it doesn't belong.

1. Set 1



a. A, C, and D all belong because . . .

b. A doesn't belong because . . .

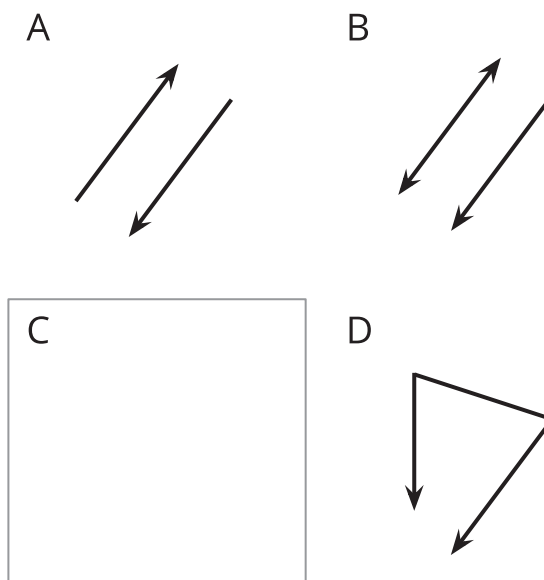
C doesn't belong because . . .

D doesn't belong because . . .

c. Add a new item B. It belongs because . . .

It doesn't belong because . . .

2. Set 2



a. A, B, and D all belong because . . .

b. A doesn't belong because . . .

B doesn't belong because . . .

D doesn't belong because . . .

c. Add a new item C. It belongs because . . .

It doesn't belong because . . .

11.2: Add Two That Don't Belong

Here is an incomplete Which One Doesn't Belong set. It has two missing items.

A $(4 + 3) \times (2 - 1)$

B $(4 + 3) + (2 - 1)$

C
D

- Find at least one reason that the first two items, A and B, belong in the set.
- Add two items to complete the set. Make sure there is at least one reason that each new item belongs and at least one reason it doesn't belong.
 - C and D both belong because . . .
 - C doesn't belong because . . .
 - D doesn't belong because . . .
- After you've completed the set, check items A and B. Does each one still have a reason not to belong? If not, adjust your new items so that A and B are each still unique in some way.

11.3: Add Three That Don't Belong

Here is an incomplete Which One Doesn't Belong set. It has three missing items.

<p>A</p> $ \begin{array}{r} 423 \\ \times 6 \\ \hline 18 \\ 120 \\ + 2,400 \\ \hline 2,538 \end{array} $			
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Add three items to complete the set. Make sure there is at least one reason that all items belong and at least one reason each item doesn't belong.

- They all belong in the set because . . .

- A doesn't belong because . . .

- B doesn't belong because . . .

- C doesn't belong because . . .

- D doesn't belong because . . .