22 Which equation mat is modeling $2x + (-4) = 7$?
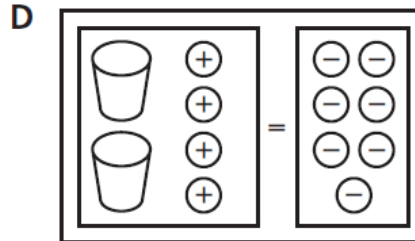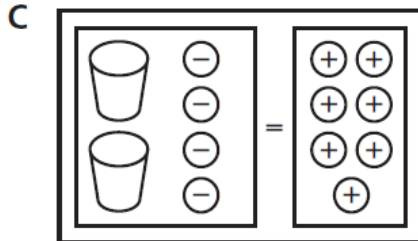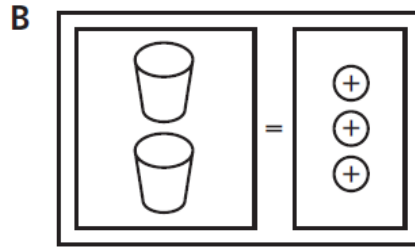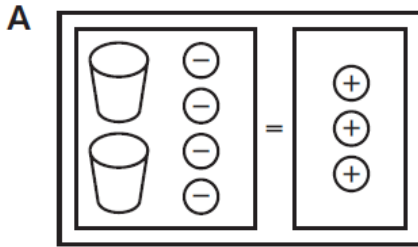
22 _____

A

B

C

D

E

23 Ms. Payton consulted a pool manual to find the rate at which she should drain her swimming pool. The manual recommends that she drain the pool at a rate of 2500 liters per hour, but Ms. Payton wants to know the rate in gallons per minute. If there are about 3.8 liters to a gallon, what is the rate in gallons per minute?

23 _____

A about 660 gal/min   **B** about 158 gal/min
C about 11 gal/min   **D** about 3 gal/min
E about 0.2 gal/min

24 The time t that it takes Raymond to drive to work varies inversely as the rate at which he drives. If Raymond drives 14 miles to work at 40 miles per hour, which equation represents the situation?
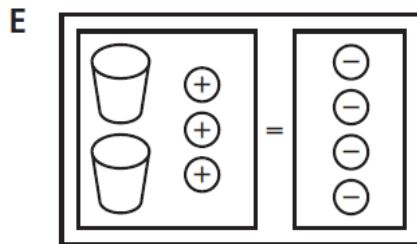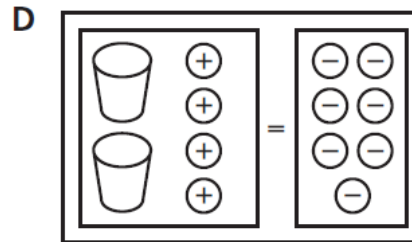
24 _____

A $t = \dfrac{40}{14}$ **B** $t = \dfrac{14}{40}$

C $t = 40(14)$ **D** $t = 40 - 14$

E $t = 40 + 14$

22 Which equation mat is modeling $2x + (-4) = 7$? **II.C.2.**

22 _____**C**_____
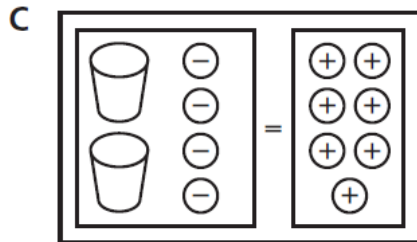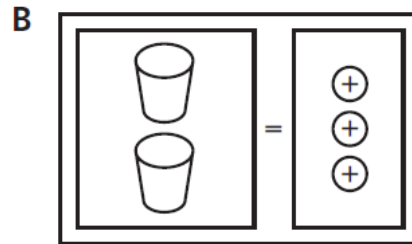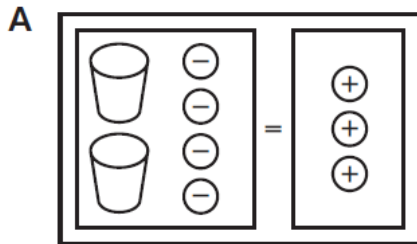
A

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23 _____**C**_____

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24 The time t that it takes Raymond to drive to work varies inversely as the rate at which he drives. If Raymond drives 14 miles to work at 40 miles per hour, which equation represents the situation? **III.B.2.**

24 _____**B**_____

A $t = \dfrac{40}{14}$ **B** $t = \dfrac{14}{40}$

C $t = 40(14)$ **D** $t = 40 - 14$
E $t = 40 + 14$