

3.5.A – Adding & Subtracting Whole Numbers – Representing Multi-Step Word Problems					
Problem Set: 1					
1. B	2. C	3. B	4. B	5. D	6. C
7. B	8. B	9. D	10. A	11. D	12. D
13. D	14. B	15. C	16. D	17. D	18. A
19. D	20. A	21. A	22. C	23. A	24. C
25. B	26. A	27. A	28. D	29. B	30. A

1. Rita had two boxes of ribbons.

- She had 37 large ribbons in the first box.
- She had 56 small ribbons in the second box.
- She gave 28 of the large ribbons to her sister.

Which number sentence can be used to find the number of ribbons Rita had left in the two boxes?

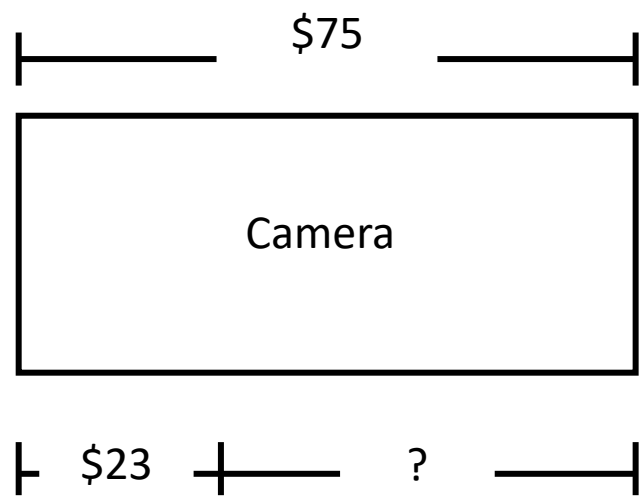
A. $56 + 28 + 37 = \square$

B. $37 - 28 + 56 = \square$

C. $37 + 28 - 56 = \square$

D. $56 + 28 - 37 = \square$

2. Timothy wants to buy a camera that costs \$75. He has saved \$23, as shown in the model.



Which equation can be used to find how much more money Timothy needs in order to buy the camera?

- A. $\$75 + \$52 = \square$
- B. $\$75 + \$23 = \square$
- C. $\$75 - \$23 = \square$
- D. $\$52 - \$23 = \square$

3. The Queen of Hasmuchia has 53 jeweled crowns.

- Of these 15 are made with rubies and 27 are made with sapphires.
- The rest are made with diamonds.

Which model can be used to find the number of diamond crowns in the queen’s collection?

A.

?		
15	27	53

B.

53		
15	27	?

C.

27		
15	?	53

D.

15		
53	27	?

4. Peg-Leg Pete the Pirate stole 547 gold coins. The chart shows the number of coins he stole from each ship he raided. The number Pete stole from King Marcus is missing.

Gold Coins Stolen	
Ship	Coins Stolen
Queen Madeline’s Ship	172
King Marcus’s Ship	?
Prince Percy’s Ship	215

Which set of equations can be used to find the number of gold coins Peg-Leg Pete stole from King Marcus?

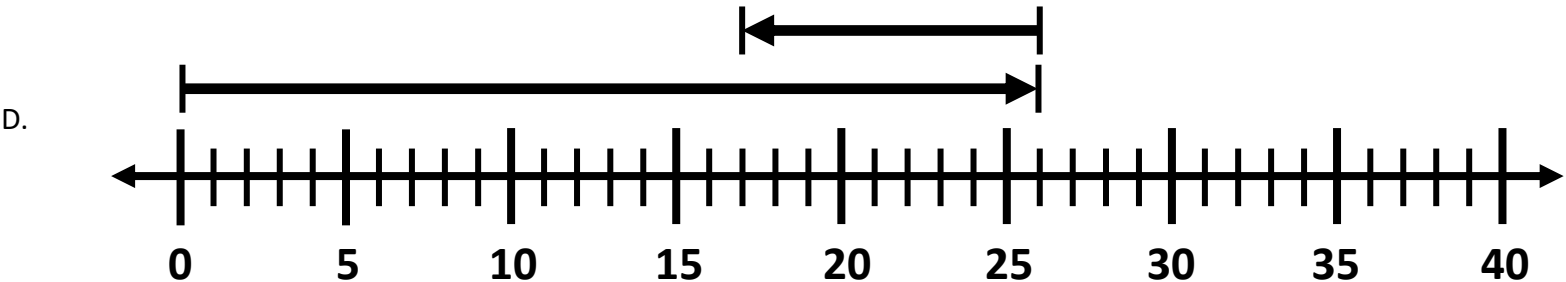
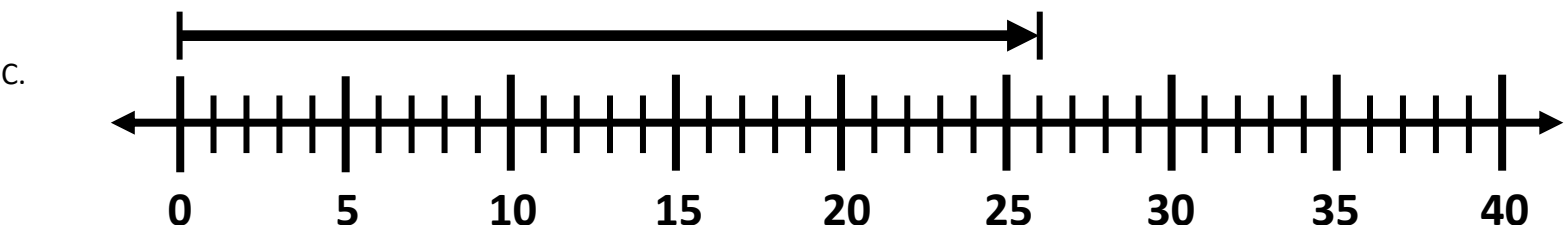
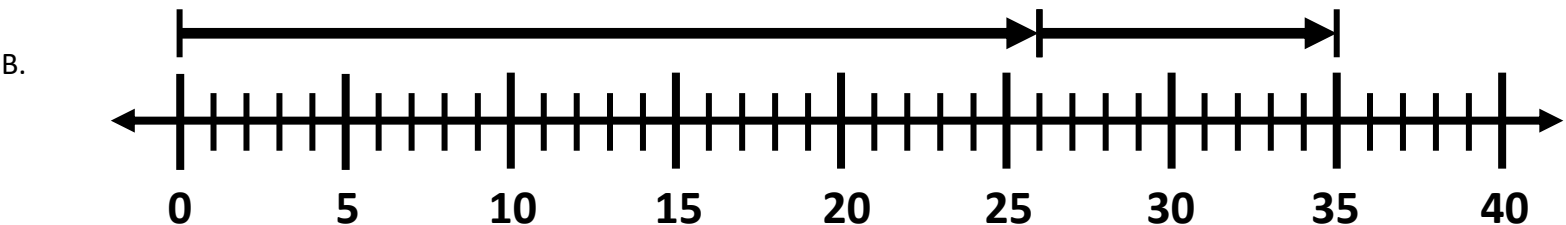
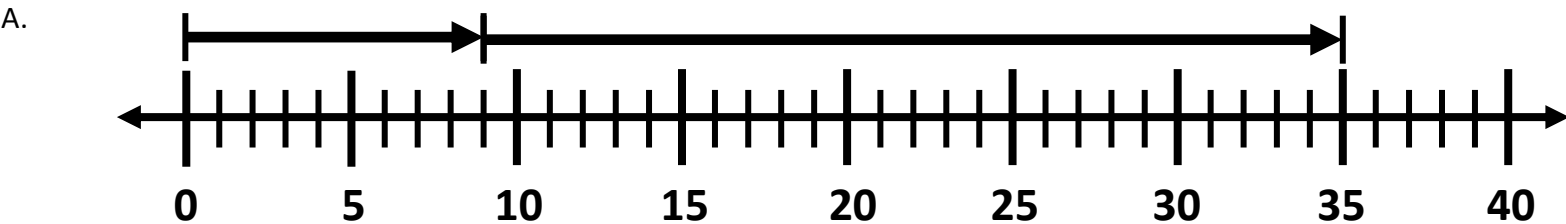
A. $172 + 215 = 387$
 $547 + 387 = \square$

B. $172 + 215 = 387$
 $547 - 387 = \square$

C. $547 - 172 = 375$
 $375 + 215 = \square$

D. $215 - 172 = 43$
 $547 - 43 = \square$

5. Muscular Marvin did 9 push ups. He did some more and now he has done 26 in all. Which number line represents one way to determine how many push ups Muscular Marvin did?



6. The table shows the population of three Texas counties. The population of Lubbock County is missing.

County	Population
Galveston	337,600
Lubbock	?
Webb	274,847
McLennan	254,045

The population of Lubbock County is 33,545 more than the population of Webb County. What is the combined population of these four counties?

- A. 2,694,709
- B. 2,707,507
- C. 1,174,884
- D. 2,765,815

3.5.A – Adding & Subtracting Whole Numbers – Representing Multi-Step Word Problems					
Problem Set: 2					
1. B	2. C	3. B	4. B	5. D	6. C
7. B	8. B	9. D	10. A	11. D	12. D
13. D	14. B	15. C	16. D	17. D	18. A
19. D	20. A	21. A	22. C	23. A	24. C
25. B	26. A	27. A	28. D	29. B	30. A

7. An art teacher had 736 crayons.

- She threw away 197 broken crayons.
- Then she bought 150 more crayons.

Which equation shows how to find the number of crayons the art teacher has now?

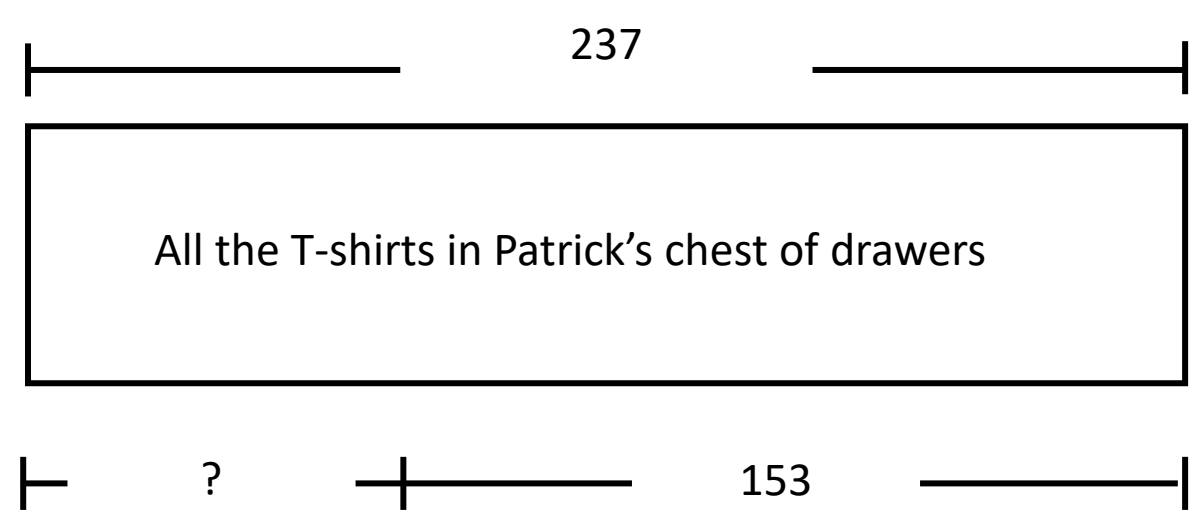
A. $736 - 197 - 150 = \square$

B. $736 - 197 + 150 = \square$

C. $736 + 197 + 150 = \square$

D. $736 + 197 - 150 = \square$

8. Picky Patrick wants to wash and iron all 237 of the T-shirts in his chest of drawers before school starts. He has already washed and ironed 153 shirts.



Which equation can be used to find how many more T-shirts Picky Patrick needs to wash and iron to get ready for school? ?

- A. $237 + 153 = \square$
- B. $237 - 153 = \square$
- C. $237 - 84 = \square$
- D. $84 + 153 = \square$

9. Ophelia the Octopus keeper keeps 86 octopi.

- 24 are blue-ringed octopi and 17 are Atlantic pygmy octopi.
- The rest are common octopi.

Which model can be used to find the number of common octopi that Ophelia is keeping?

A.

24		
?	17	86

B.

?		
24	17	86

C.

17		
24	?	86

D.

86		
24	17	?

10. Creepy Cristabelle has 600 vultures in the three dead trees around her creepy castle. She has 197 in one tree, and 368 in another tree.

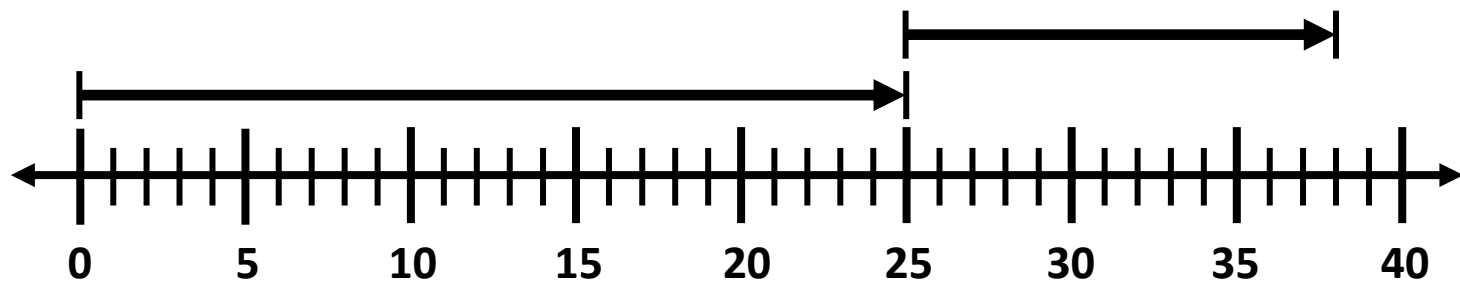
Vultures at Creepy Castle	
Dead Trees	Vultures per tree
Tree #1	197
Tree #2	368
Tree #3	?

Which set of equations can be used to find the number of vultures in the third dead tree?

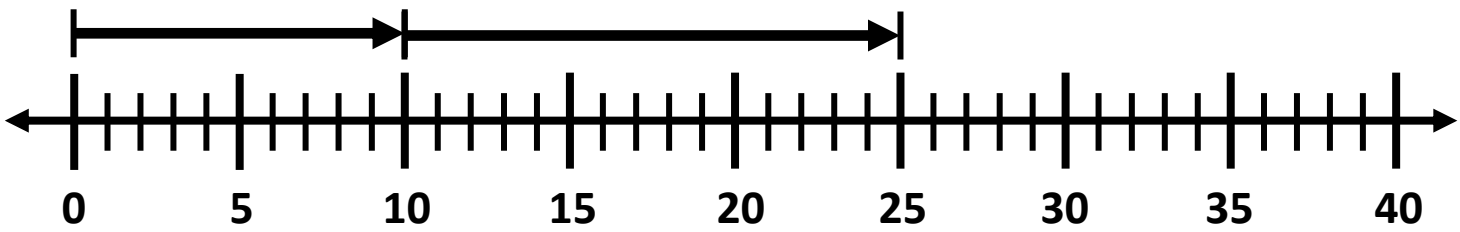
- A. $197 + 368 = 565$
 $600 - 565 = \square$
- B. $368 - 197 = 171$
 $600 - 171 = \square$
- C. $368 - 197 = 171$
 $600 + 171 = \square$
- D. $197 + 368 = 565$
 $600 + 565 = \square$

11. There were 25 people in the library. Some people left the library and went home. Then there were 13 people remaining in the library. Which number line represents one way to determine the number of people who left the library?

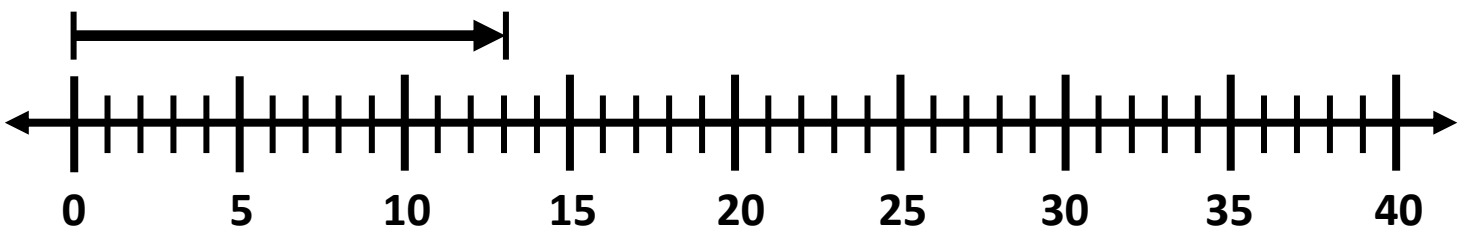
A.



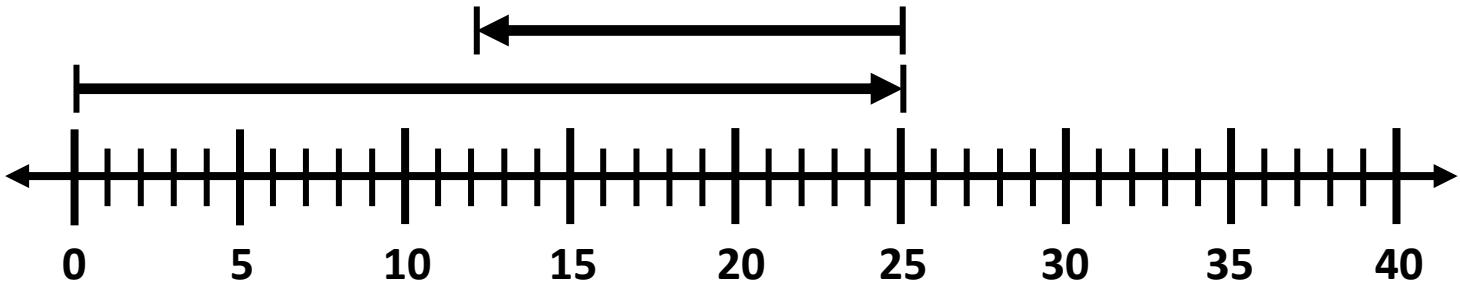
B.



C.



D.



12. The table shows the population of three Texas counties. The population of Cameron county is missing.

County	Population
Cameron	?
Brazoria	368,062
Nueces	362,151
Bell	355,700

The population of Cameron County is 66,435 more than the population of Bell County. What is the combined population of these four counties?

- A. 2,694,709
- B. 2,707,507
- C. 2,695,209
- D. 1,508,048

3.5.A – Adding & Subtracting Whole Numbers – Representing Multi-Step Word Problems					
Problem Set: 3					
1. B	2. C	3. B	4. B	5. D	6. C
7. B	8. B	9. D	10. A	11. D	12. D
13. D	14. B	15. C	16. D	17. D	18. A
19. D	20. A	21. A	22. C	23. A	24. C
25. B	26. A	27. A	28. D	29. B	30. A

13. Freddie had \$256 in his bank account.

- On Monday he put \$50 more into his account.
- On Tuesday he took out \$87 to buy a bicycle.

Which equation can be used to find the amount of money Freddie had in his bank account after he took out money on Tuesday?

A. $256 - 50 - 87 = \square$

B. $256 + 50 + 87 = \square$

C. $256 - 50 + 87 = \square$

D. $256 + 50 - 87 = \square$

14. There are a total of 294 restaurants in a city.
- Of these restaurants, 196 are along the highways, and 49 are downtown.
 - The rest of the restaurants are in shopping malls.

Which model can be used to find the number of restaurants in the city that are in shopping malls?

A.

?		
294	196	49

B.

294		
196	49	?

C.

196		
294	49	?

D.

49		
294	196	?

15. Sylvia the Sardine Chef has perfected a new sardine and pepperoni pizza. She sold 87 slices of the new pizza the first week she offered it, 78 slices the second week, and 108 slices the third week. Which model can be used to find the total number of slices of the new pizza that Sylvia sold in the first three weeks?

A.

108		
87	78	?

B.

87		
?	78	108

C.

?		
87	78	108

D.

78		
87	?	108

16. Tyrese had 572 baseball cards. He sold some of the baseball cards and then had 98 baseball cards left.

Which equation could NOT be used to find the number of baseball cards Tyrese sold?

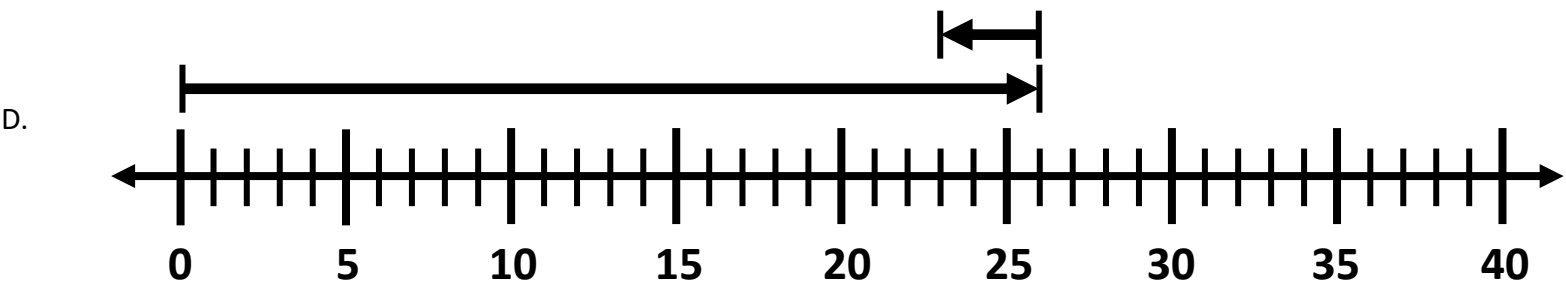
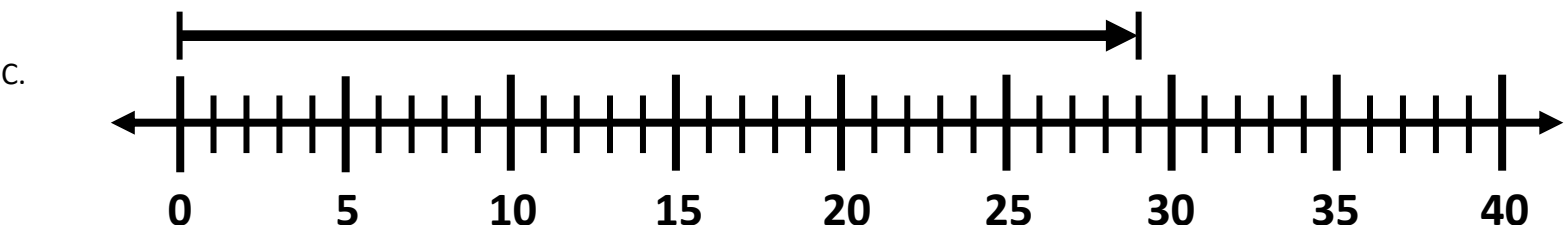
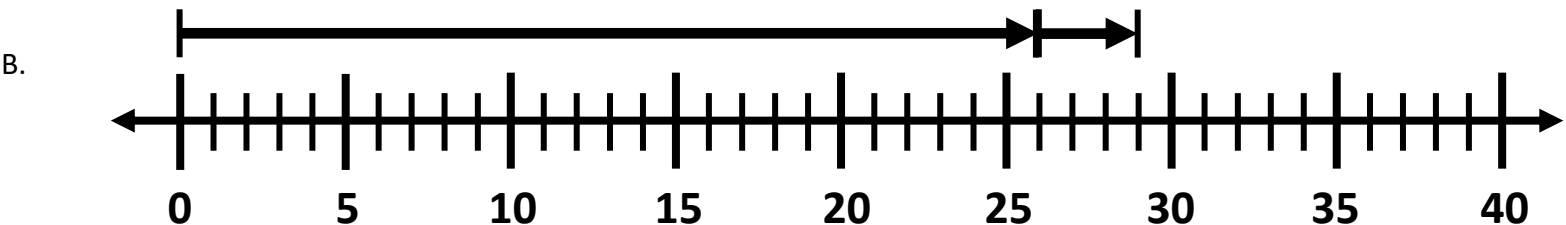
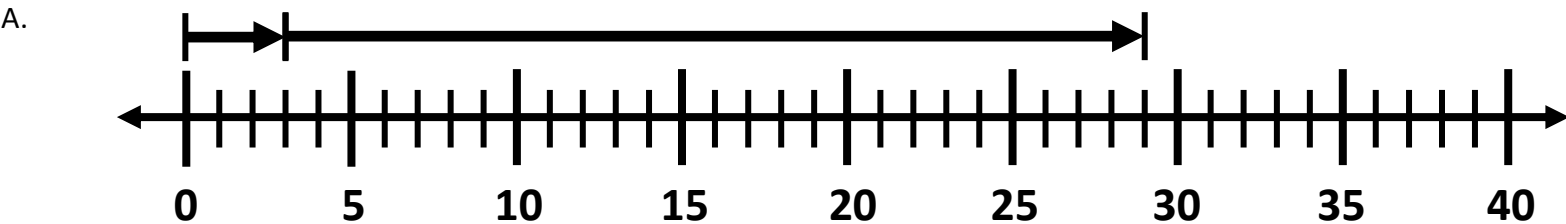
A. $572 - \square = 98$

B. $572 - 98 = \square$

C. $98 + \square = 572$

D. $98 + 572 = \square$

17. Carlotta the Cavity Queen had 26 candy bars. She ate some of them and now she has 3. Which number line represents one way to determine the number of candy bars Carlotta ate?



18. The table shows the population of three Texas counties. The population of Gray County is missing.

County	Population
Anderson	58,308
Dallas	2,416,014
Brazos	197,632
Gray	?

The population of Gray County is 35,553 less than the population of Anderson County. What is the combined population of these four counties?

- A. 2,694,709
- B. 2,707,507
- C. 2,695,209
- D. 2,765,815

3.5.A – Adding & Subtracting Whole Numbers – Representing Multi-Step Word Problems					
Problem Set: 4					
1. B	2. C	3. B	4. B	5. D	6. C
7. B	8. B	9. D	10. A	11. D	12. D
13. D	14. B	15. C	16. D	17. D	18. A
19. D	20. A	21. A	22. C	23. A	24. C
25. B	26. A	27. A	28. D	29. B	30. A

19. There were 35 pretzels at a bakery. A baker made 20 more pretzels. The baker then sold 11 pretzels. Which equation shows how to find the number of pretzels there are now?

A. $35 + 20 + 11 = \square$

B. $35 - 20 + 11 = \square$

C. $35 - 20 - 11 = \square$

D. $35 + 20 - 11 = \square$

20. Leonard the Lizard Rancher has 879 lizards.

- Of these lizards 500 are green anole lizards and 153 are brown anole lizards.
- The rest are Texas Horned Lizards.

Which model can be used to find the number of Texas Horned Lizards?

A.

879		
500	153	?

B.

?		
879	500	153

C.

500		
879	153	?

D.

153		
879	500	?

21. Ophelia the Octopus keeper has 37 blue-ringed octopi, 53 Atlantic pygmy octopi and 125 common octopi. Which model can be used to find the total number of octopi Ophelia is keeping in all?

A.

?		
37	53	125

B.

37		
?	53	125

C.

53		
37	?	125

D.

125		
37	53	?

22. Stinky Stan had 793 stink bombs. He used some of them and now he has 589 left.

Which equation could NOT be used to find the number of stink bombs Stinky Stan has used?

A. $793 - \square = 589$

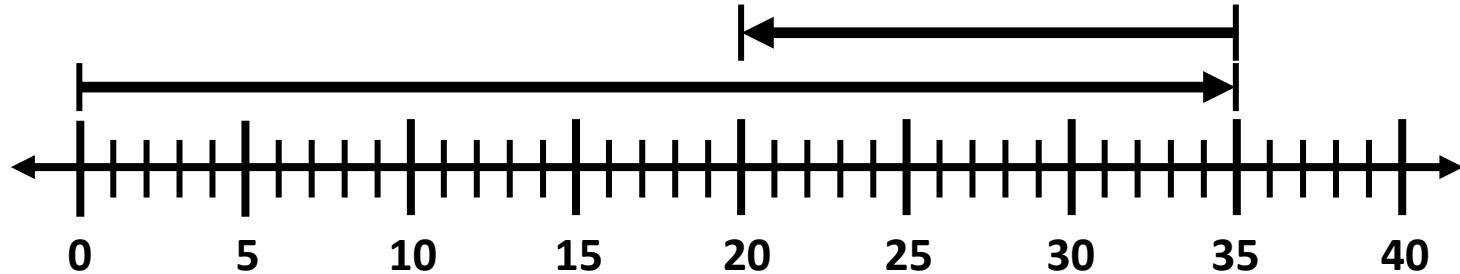
B. $589 + \square = 793$

C. $\square - 793 = 589$

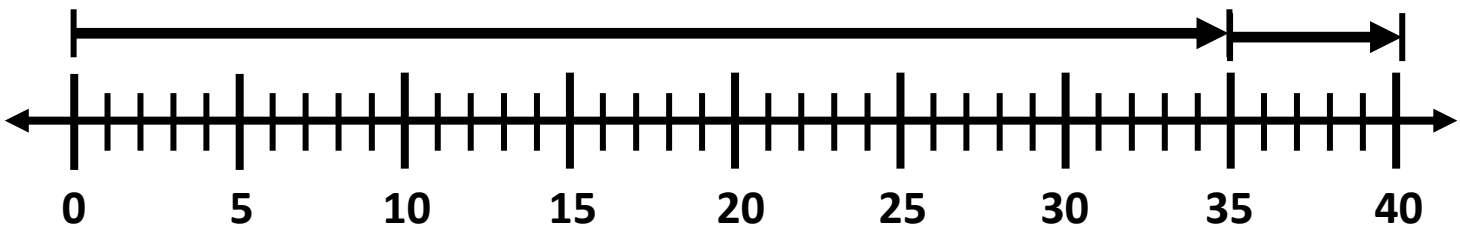
D. $\square + 589 = 793$

23. Wanda the Witch had 35 magic wands for sale at the Witch Supply Store. She sold some and now she has 15 left. Which number line represents one way to determine how many magic wands Wanda sold?

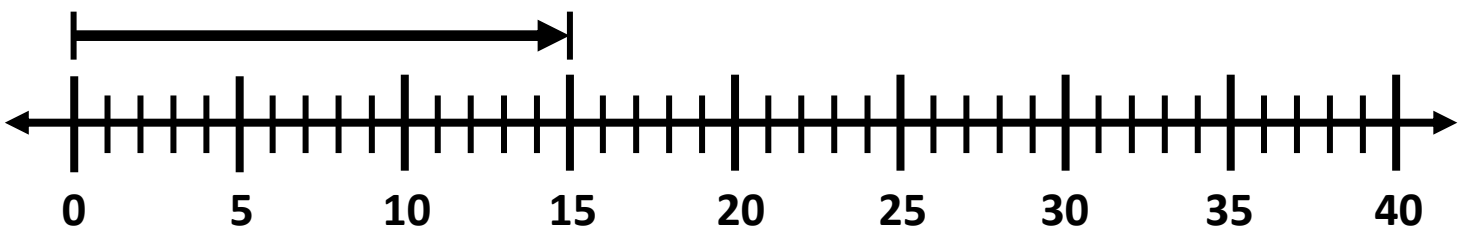
A.



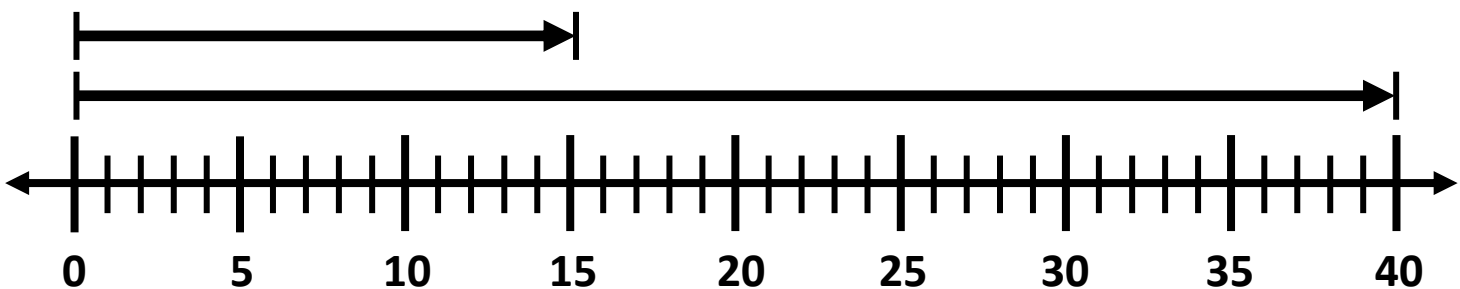
B.



C.



D.



24. The table shows the population of three Texas counties. The population of Hidalgo County is missing.

County	Population
Hidalgo	?
Williamson	570,437
Brazoria	368,062
Nueces	362,151

The population of Hidalgo County is 290,700 more than the population of Williamson County. What is the combined population of these four counties?

- A. 1,300,650
- B. 2,591,350
- C. 2,161,787
- D. 1,591,350

3.5.A – Adding & Subtracting Whole Numbers – Representing Multi-Step Word Problems					
Problem Set: 5					
1. B	2. C	3. B	4. B	5. D	6. C
7. B	8. B	9. D	10. A	11. D	12. D
13. D	14. B	15. C	16. D	17. D	18. A
19. D	20. A	21. A	22. C	23. A	24. C
25. B	26. A	27. A	28. D	29. B	30. A

25. Leonard the Lizard Rancher had 50 green lizards at his ranch, then he bought 68 more at a lizard auction. Unfortunately, Leonard's cat, Snickers, ate 35 of the new green lizards. Which equation would show how many lizards Leonard has now?

A. $50 + 68 + 35 = \square$

B. $50 + 68 - 35 = \square$

C. $35 + 50 - 68 = \square$

D. $68 - 50 + 35 = \square$

26. Fashionable Fiona loves boots!

- She has 112 pairs of red boots
- 35 pairs of green boots.
- She also has 65 pairs of multicolored boots.

Which model can be used to find the total number of pairs of boots that Fiona has in all?

A.

?		
112	35	65

B.

112		
?	35	65

C.

35		
112	?	65

D.

65		
112	35	?

27. Wanda the Witch had 75 spiders for sale at the Witch Supply Store.

- She sold 27 on Monday, and she sold 19 on Tuesday.
- She sold the rest on Wednesday.

Which model can be used to find the number of spiders Wanda sold on Wednesday?

A.

75		
27	19	?

B.

?		
27	19	75

C.

75		19
27	?	?

D.

27		
75	19	?

28. A cafeteria sold a total of 513 drinks on Wednesday. The table shows the number of each type of drink that was sold. The number of bottles of milk is missing from the table.

Drinks Sold	
Type of Drink	Number Sold
Bottles of apple juice	172
Bottles of milk	?
Bottles of water	263

Which set of equations can be used to find the number of bottles of milk sold?

A. $172 + 263 = 435$
 $513 + 435 = \square$

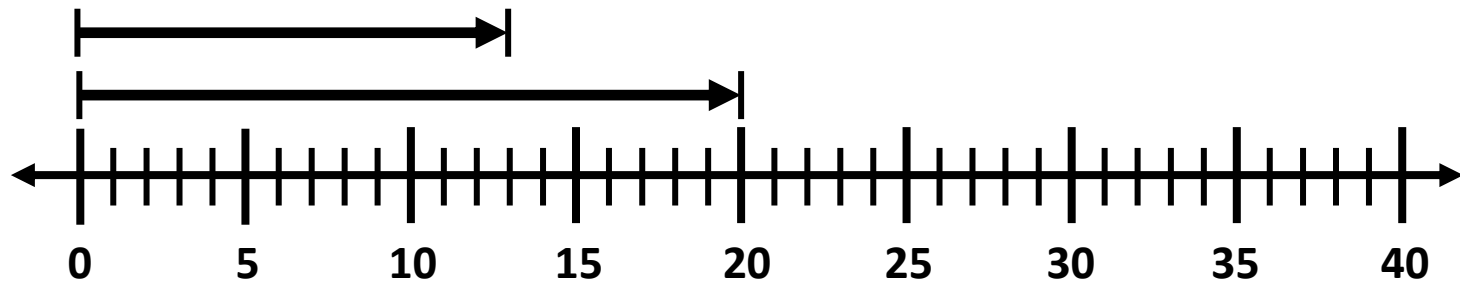
B. $263 - 172 = 91$
 $513 - 91 = \square$

C. $513 - 172 = 341$
 $341 + 263 = \square$

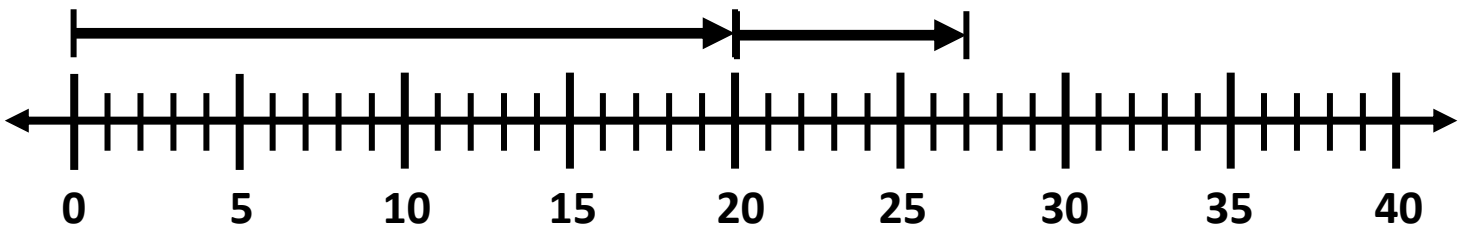
D. $172 + 263 = 435$
 $513 - 435 = \square$

29. Fashionable Fiona had 20 purple hats. Then she bought 7 more. Which number line represents one way to determine how many purple hats Fiona has now?

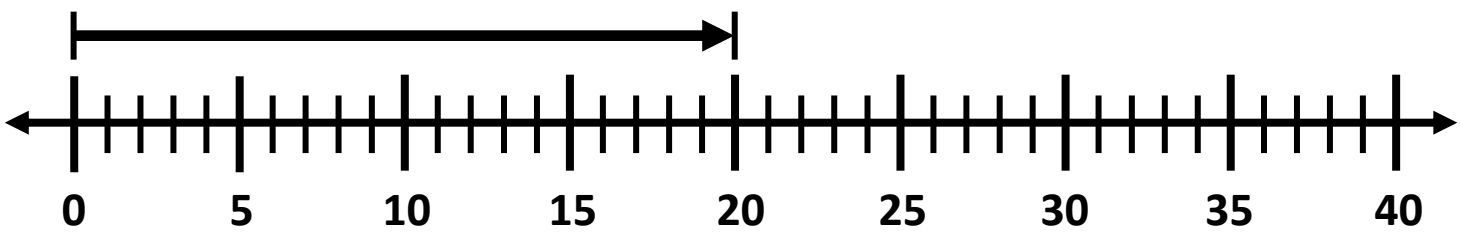
A.



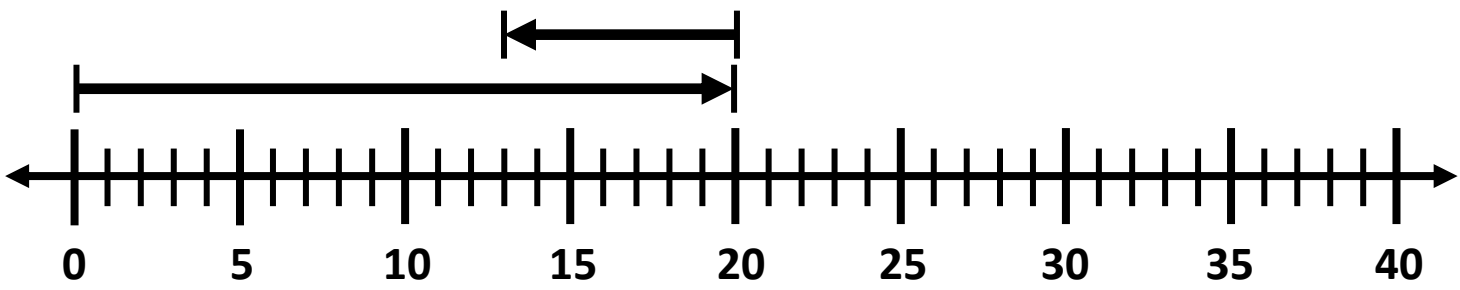
B.



C.



D.



30. The table shows the population of three Texas counties. The population of Montgomery County is missing.

County	Population
El Paso	836,915
Ft. Bend	790,892
Montgomery	?
Williamson	570,437

The population of Montgomery County is 246,727 less than the population of El Paso County. What is the combined population of these four counties?

- A. 2,788,432
- B. 2,997,540
- C. 2,198,244
- D. 2,765,815