Arrange, Add, Subtract Fractions – Review

1. From a board 38 inches long, Jordan cut a piece 17 $^3/_8$ inches long. How long was the **remaining** piece?
    ① ② ③ ④ ⑤
    (1)   20 $^5/_8$ inches
    (2)   21 $^1/_8$ inches
    (3)   21 $^3/_8$ inches
    (4)   27 $^1/_8$ inches
    (5)   27 $^5/_8$ inches

2. If you change a turntable speed set at 45 rpms to 33 $^1/_3$ rpms, how many revolutions per minute **slower** does the turntable spin?
    ① ② ③ ④ ⑤
    (1)   11 $^1/_3$ rpm's
    (2)   11 $^2/_3$ rpm's
    (3)   12 $^1/_3$ rpm's
    (4)   13 $^3/_5$ rpm's
    (5)   15 $^3/_{10}$ rpm's

3. The distance from Las Animas to La Junta is 20 miles. James drove to the Hadley Rest Stop, which is 7 $^1/_8$ miles from Las Animas. How much **further** does he have to drive to get to La Junta?
    ① ② ③ ④ ⑤
    (1)   12 $^7/_8$ miles
    (2)   13 $^1/_8$ miles
    (3)   13 $^3/_8$ miles
    (4)   19 $^1/_8$ miles
    (5)   23 ¾ miles

4. Bobby had a five pound bag of flour. If she used 1 $^1/_6$ pounds of flour for a certain recipe, how much flour did she **have left**?
    ① ② ③ ④ ⑤
    (1)   3 $^5/_6$ pounds
    (2)   4 $^1/_6$ pounds
    (3)   4 $^5/_6$ pounds
    (4)   6 $^1/_6$ pounds
    (5)   7 $^5/_6$ pounds

5. Maxine bought a 10 pound bag of dog food. At its first feeding, her dog ate 1 $^3/_8$ pounds of food. How much dog food **was left**?
    ① ② ③ ④ ⑤
    (1)   8 $^3/_8$ pounds
    (2)   8 $^5/_8$ pounds
    (3)   9 $^3/_8$ pounds
    (4)   10 $^3/_8$ pounds
    (5)   11 $^3/_8$ pounds

6. Henry used to weigh 166 pounds. He got sick, and he lost 11 ¾ pounds. How much did he weigh **after this loss**?
    ① ② ③ ④ ⑤
    (1)   154 ¼ pounds
    (2)   155 ¼ pounds
    (3)   155 ¾ pound
    (4)   156 $^3/_{10}$ pounds
    (5)   157 ¾ pounds

7. Esther had a ¾ pound bar of cooking chocolate. If she used $^5/_8$ pound of chocolate to make a cake, how much cooking chocolate **was left**?

	⊘	⊘	⊘	
⊙	⊙	⊙	⊙	⊙
⓪	⓪	⓪	⓪	⓪
①	①	①	①	①
②	②	②	②	②
③	③	③	③	③
④	④	④	④	④
⑤	⑤	⑤	⑤	⑤
⑥	⑥	⑥	⑥	⑥
⑦	⑦	⑦	⑦	⑦
⑧	⑧	⑧	⑧	⑧
⑨	⑨	⑨	⑨	⑨

8. Bianca had five yards of material. She cut off 2 ¼ yards. How much did she **have left**?
    ① ② ③ ④ ⑤
    (1)   2 ¾ yards
    (2)   3 ½ yards
    (3)   7 ½ yards
    (4)   8 ½ yards
    (5)   9 $^1/_4$ yards

9. Aunt Susie's gas tank will hold 22 gallons of gas. She used up 20 $^3/_{10}$ gallons. How much gas **was left** in her car?
    ① ② ③ ④ ⑤
    (1)   1 $^7/_{10}$ gallons
    (2)   2 $^3/_{10}$ gallons
    (3)   2 $^7/_{10}$ gallons
    (4)   10 $^3/_{10}$ gallons
    (5)   11 $^1/_{10}$ gallons

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10. Before Mr. Garcia left to San Francisco, his mileage gauge read 20,200 $^3/_{10}$ miles. When he returned on Sunday, his mileage gauge read 20,734 $^7/_{10}$ miles. How many miles did he drive that weekend?

① ② ③ ④ ⑤

(1) 533 $^1/_5$ miles
(2) 534 $^2/_7$ miles
(3) 534 $^2/_5$ miles
(4) 535 $^2/_5$ miles
(5) 536 $^2/_5$ miles

11. From a 100 pound bag of cement, Larry used 44 $^5/_8$ pounds to make concrete. How much cement **was left** in the bag?

① ② ③ ④ ⑤

(1) 54 $^5/_8$ pounds
(2) 55 $^3/_8$ pounds
(3) 56 $^3/_8$ pounds
(4) 57 $^3/_8$ pounds
(5) 58 $^1/_8$ pounds

12. Alice cut off 4 ¼ feet off of a twelve foot board. How much **was left**?

① ② ③ ④ ⑤

(1) 6 ¼ feet
(2) 7 ¾ feet
(3) 8 ¼ feet
(4) 9 $^3/_4$ feet
(5) 10 $^1/_4$ feet

13. Sadie had twenty yards of material. She used 15 ¼ yards. How much material **remained**?

① ② ③ ④ ⑤

(1) 4 ¾ yards
(2) 5 ¼ yards
(3) 5 ¾ yards
(4) 6 ^{¾} yards
(5) 7 ^{¾} yards

14. Debbie studied for 2 ½ hours. Juan studied for 3 ¼ hours. How many **total** hours did they study?

① ② ③ ④ ⑤

(1) 5 ¾ hours
(2) 6 ¼ hours
(3) 6 ¾ hours
(4) 7 $^3/_4$ hours
(5) 8 $^1/_4$ hours

15. According to the blueprint, a nail should be $^9/_{32}$ of an inch long. When Louie measured it, the nail was $^5/_{16}$ of an inch long. How much **longer** is the actual nail?

	⊘	⊘	⊘	
⊙	⊙	⊙	⊙	⊙
⓪	⓪	⓪	⓪	⓪
①	①	①	①	①
②	②	②	②	②
③	③	③	③	③
④	④	④	④	④
⑤	⑤	⑤	⑤	⑤
⑥	⑥	⑥	⑥	⑥
⑦	⑦	⑦	⑦	⑦
⑧	⑧	⑧	⑧	⑧
⑨	⑨	⑨	⑨	⑨

16. In Pueblo it rained $^5/_8$ of an inch last Saturday. The next day it rained another $^7/_8$ of an inch. How much **total** rain fell during those two days?

① ② ③ ④ ⑤

(1) 1 $^1/_8$ inches
(2) 1 ½ inches
(3) 1 $^5/_8$ inches
(4) 3 $^1/_2$ inches
(5) 4 $^1/_2$ inches

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17. Mylana ordered carpet that was $^{11}/_{16}$ inch thick. The pad underneath it was $^{5}/_{8}$ inch thick. How much **thicker** is the carpet than the pad?

	⊘	⊘	⊘	
⊙	⊙	⊙	⊙	⊙
⓪	⓪	⓪	⓪	⓪
①	①	①	①	①
②	②	②	②	②
③	③	③	③	③
④	④	④	④	④
⑤	⑤	⑤	⑤	⑤
⑥	⑥	⑥	⑥	⑥
⑦	⑦	⑦	⑦	⑦
⑧	⑧	⑧	⑧	⑧
⑨	⑨	⑨	⑨	⑨

18. Justin made a fruit salad with 1 ¼ pounds of grapes, 2 $^{3}/_{8}$ pounds of apples, and 1 ½ pounds of strawberries. How many **total** pounds of fruit did he use?
① ② ③ ④ ⑤
(1) 4 $^{1}/_{8}$ pounds
(2) 5 $^{1}/_{8}$ pounds
(3) 5 $^{1}/_{2}$ pounds
(4) 6 $^{3}/_{8}$ pounds
(5) 7 $^{1}/_{8}$ pounds

19. Sunny had 6 yards of material. She used 5 $^{1}/_{3}$ yards for curtains. How much **was left**?

	⊘	⊘	⊘	
⊙	⊙	⊙	⊙	⊙
⓪	⓪	⓪	⓪	⓪
①	①	①	①	①
②	②	②	②	②
③	③	③	③	③
④	④	④	④	④
⑤	⑤	⑤	⑤	⑤
⑥	⑥	⑥	⑥	⑥
⑦	⑦	⑦	⑦	⑦
⑧	⑧	⑧	⑧	⑧
⑨	⑨	⑨	⑨	⑨

20. Martin lives $^{1}/_{3}$ of a mile from school. Aaron rides the bus for another 1 ¾ miles after Martin gets off. What is the **total** distance from the school to Aaron's house?
① ② ③ ④ ⑤
(1) 1 $^{1}/_{12}$ miles
(2) 2 $^{1}/_{12}$ miles
(3) 2 $^{1}/_{2}$ miles
(4) 2 $^{1}/_{3}$ miles
(5) 3 $^{1}/_{4}$ miles

21. Bonita had 18 yards of material. She used 8 ¼ yards. How much did she **have left**?
① ② ③ ④ ⑤
(1) 9 ¼ yards
(2) 8 ¼ yards
(3) 9 ¾ yards
(4) 10 ¾ yards
(5) 12 ¾ yards

22. Sunny got 19 $^{1}/_{5}$ miles per gallon using regular gasoline. After switching to gasohol, she got 22 miles per gallon. How much **better** was Sunny's gas mileage when she switched to gasohol?
① ② ③ ④ ⑤
(1) 2 $^{4}/_{5}$ miles per gallon
(2) 2 $^{1}/_{5}$ miles per gallon
(3) 2 $^{3}/_{5}$ miles per gallon
(4) 3 $^{1}/_{5}$ miles per gallon
(5) 4 $^{4}/_{5}$ miles per gallon

23. Joe bought a 26 ¾ inch window shade. When he got home, he found out that it was $2^{3}/_{8}$ inches too narrow. He needs a bigger shade, so what size window shade should he buy?

① ② ③ ④ ⑤

(1) $29^{3}/_{8}$ inches
(2) $29^{1}/_{8}$ inches
(3)   28 ½ inches
(4)   24 inches
(5)   23 inches

24. To get orange paint, an artist mixed ¾ ounce of red paint with $^{1}/_{3}$ ounce of yellow paint. How much orange paint did she make?

① ② ③ ④ ⑤

(1)   2 ounces
(2) $1^{1}/_{12}$ ounces
(3) $^{5}/_{12}$ ounce
(4) $^{4}/_{7}$ ounce
(5) $^{1}/_{7}$ ounce

25. A hamburger weighed ¼ pound before it was cooked. After it was cooked, it weighed $^{3}/_{16}$ pound. The rest of the hamburger was fat that burned off during cooking. How much fat **burned off** during cooking?

26. A Tobacco Hornworm weighed $2^{7}/_{10}$ grams. It **gained** $^{1}/_{20}$ of a gram. How much does the Hornworm weigh now?

① ② ③ ④ ⑤

(1)   3 ¼ grams
(2) $2^{9}/_{10}$ grams
(3)   2 ¾ grams
(4)   2 ½ grams
(5)   2 ¼ grams

27. Advil contains $^{1}/_{3}$ gram of pain reliever per 1.5 gram tablet. Aleve contains ½ gram of pain reliever per 1.5 gram tablet. **How many more grams of pain reliever** does Aleve have than Advil?

① ② ③ ④ ⑤

(1) $^{1}/_{2}$
(2) $^{1}/_{4}$
(3) $^{1}/_{5}$
(4) $^{1}/_{6}$
(5) $^{1}/_{10}$

28. Last winter, Mrs. Lucero used $^{5}/_{8}$ cord of wood in February and $^{1}/_{12}$ cord of wood in March to heat her house. How much **total** wood did she use?

① ② ③ ④ ⑤

(1) $^{5}/_{24}$
(2) $^{7}/_{24}$
(3) $^{13}/_{24}$
(4) $^{17}/_{24}$
(5) $^{19}/_{24}$

29. A gallon of Behr paint contains $3^{2}/_{5}$ tubes of pigment per gallon. A gallon of Dutch paint contains $5^{2}/_{3}$ tubes of pigment per gallon. What is the **difference** between the amount of pigment used in the Behr paint and in the Dutch paint?

① ② ③ ④ ⑤

(1) $2^{1}/_{20}$ pounds
(2) $2^{1}/_{16}$ pounds
(3) $2^{4}/_{15}$ pounds
(4) $2^{7}/_{16}$ pounds
(5) $2^{9}/_{16}$ pounds

30. According to scientists, a radioactive tracer lost ½ of its radioactivity in an hour. Five hours later it had lost another $^{7}/_{16}$ of its radioactivity. What was the **total** loss in radioactivity for the entire time?

① ② ③ ④ ⑤

(1) $^{5}/_{16}$
(2) $^{7}/_{16}$
(3) $^{9}/_{16}$
(4) $^{11}/_{16}$
(5) $^{15}/_{16}$