2-Step Shamrock-Diamond Problems

1. PPW-WU, JCU
In the first half of a recent game, the Packers scored 14 points on touchdowns and 9 points on field goals. In the second half, they continued scoring, and they ended the game with 43 points. How many points did they score in the second half?

2. PPW-PU, MD
In a recent game, the Packers scored 33 points; 21 of these points were on touchdowns, and the rest were on field goals. Field goals are 3 points each. How many field goals did the Packers kick?

3. CDU, MD
In a recent game, the Packers scored 21 points on field goals, and the Vikings scored 9 points on field goals. Field goals are 3 points each. How many more field goals did the Packers kick than the Vikings?

4. JRU, SCU
After receiving the opening kickoff, the Packers' offense lined up on their 20 yard line. Their first play was a 17-yard pass completion. On their second play, they were penalized and moved back to the 32 yard line. How many yards were they penalized?

5. PPW-WU, PD
90 fifth graders and 85 sixth graders play in a youth football league. Each of the 7 teams in the league has the same number of players. How many players are on each team?

6. M, PD
The gas tank in Judy's car holds 12 gallons. Starting with a full tank of gas, Judy drove 4 trips from Oshkosh to Oneida and back, at which point she ran out of gas. Each round trip was 90 miles. How many miles per gallon did Judy's car get?

7. JRU, PD
Gerry took a trip from Oshkosh to Ashland, Wisconsin. He drove 140 miles on Saturday and 120 miles on Sunday. If he drove a steady speed, and the whole trip took 5 hours, how many miles per hour did Gerry drive?

8. M, CDU
Staci drove for 4 hours at 60 miles per hour. Lucky drove for 7 hours at 50 miles per hour. How much farther did Lucky drive?

9. M, JCU
Wayne drove 200 miles each day for the first six days of the week, and then he drove some more on the seventh day. Altogether, he drove 1,700 miles that week. How far did he drive on the seventh day?

10. JRU, SCU
When he pulled up to the gas station this morning, Bill had 5 gallons of gas in his tank. He filled it up with 9 more gallons. Then he went for a drive, using up some of the gas. Afterwards, 11 gallons remained in his tank. How much gas did Bill use on his trip?

11. PPW-WU, PPW-PU
Today the House of Pies Bakery baked 25 large pies and 17 small pies. Among all of these pies, 32 were apple and the rest were cherry. How many pies were cherry?

12. M, PPW-PU
Toni bought 4 apple pies and some cherry pies for $12 each. She paid a total of $72. How much did she pay for the cherry pies?

13. SCU, MD
Ed bought a few loaves of bread at the bakery for $1.50 each. He handed the cashier a $20 bill and received $11 change. How many loaves of bread did he buy?

14. PPW-WU, PD
Wayne bought 12 apple pies and 6 cherry pies for a total of $180. Each pie cost the same amount. How much did each pie cost?

15. MD, CDU
Colleen bought several pies for a total price of $54. Penny bought several pies for a total price of $81. Each pie cost $9. How many more pies did Penny buy than Colleen?

16. M, CDU
After teaching all day, Gerry and Judy were thirsty. Fortunately, they found a lemonade stand. Gerry bought 9 little cups of lemonade and Judy bought 4 little cups. Each cup cost 50 cents. How much more did Gerry spend on lemonade, compared to Judy?

17. PPW-WU, PPW-PU
For dessert last night, John served himself some blueberry ice cream, which contained 300 calories, together with some pecans, which contained 60 calories. Then he decided he also needed some chocolate ice cream. After a scoop of that was added, John's dessert contained 480 calories. How many calories did the scoop of chocolate ice cream contain?

18. M, PD
There are 8 tablespoons in a stick of butter. Myrtle has 3 sticks of butter, and this is just enough to make 6 cakes. How many tablespoons of butter does each cake require?

19. M, PD
Maisy combines 5 bags of flour, each of which contains 18 cups, into a very large bowl. After mixing the flour with other ingredients, she pours equal amounts of the mixture into 15 baking pans. How many cups of flour went into each pan?

20. MD, SCU
In order to get a cup of mashed bananas, John needs 4 whole bananas. He has 48 bananas. He mashes them all up, and pours some of it into a bowl to make banana bread. He has 5 cups of it left over. How many cups of mashed bananas did he pour into the bowl for banana bread?

21. PPW-WU, CDU
Colleen and Staci went fishing for trout and bass. Colleen caught 5 bass and 9 trout. Staci caught 3 bass and 18 trout. How many more fish did Staci catch than Colleen?

22. M, SCU
Gerry went on a 7-day fishing trip. Every day he caught 5 fish. When he returned home, he gave some fish to his friends, and ended up with 11 left for himself. How many fish did he give to his friends?

23. SCU, MD
Judy came home from a fishing trip with 48 fish. She gave 11 fish each to some of her friends, and was left with 4 for herself. How many of her friends received fish?

24. M, CDU
Lucky and Wayne went sturgeon spearing. Lucky caught a 96-pound sturgeon and Wayne caught a 78-pound sturgeon. They both sold their fish for $5 a pound. How much more money did Lucky make than Wayne?

25. SRU, JCU
Yesterday Judy caught 38 fish. Then she decided to throw 14 of them back. Today she went fishing again, and caught some more fish. Now she has 40 fish. How many fish did Judy catch today?