

1. The owner of a snow-cone stand used  $\frac{1}{4}$  gallon of syrup to make 16 cherry snow cones. She used the same amount of syrup in each snow cone. How much syrup in gallons was used in each cherry snow cone?

- A.  $\frac{1}{4}$  gal
- B. 4 gal
- C.  $\frac{1}{64}$  gal
- D. 64 gal

5.3.L - Dividing with Unit Fractions: Word Problems - PS

2. What is the value of this expression?

$$\frac{1}{12} \div 36$$

- A. 3
- B.  $\frac{1}{432}$
- C.  $\frac{1}{3}$
- D. 432

5.3.L - Dividing with Unit Fractions: Word Problems - PS

3. The math team does practice drills that each last  $\frac{1}{6}$  hour. In February the team did practice drills for a total of 24 hours.

How many practice drills did the math team do in February?

- A. 4
- B. 144
- C. 30
- D. 240

5.3.L - Dividing with Unit Fractions: Word Problems - PS

4. Tommy bought 3 cups of blueberries. He will eat  $\frac{1}{2}$  cup of blueberries each day. How many days can Tommy eat blueberries before they are all gone?

- A. 6
- B. 2
- C. 5
- D. 4

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5. There are 16 pies on a picnic table. Each pie is cut into pieces. Each piece is  $\frac{1}{8}$  of a pie.

How many pieces of pie are on the picnic table?

- A. 2
- B. 88
- C. 24
- D. 128

5.3.L - Dividing with Unit Fractions: Word Problems - PS

6. Ms. Olsen has  $\frac{1}{8}$  acre of land divided into 6 equal parts. What is the size of each part?

- A.  $\frac{1}{2}$  acre
- B.  $\frac{1}{14}$  acre
- C.  $\frac{3}{4}$  acre
- D.  $\frac{1}{48}$  acre

5.3.L - Dividing with Unit Fractions: Word Problems - PS

**Unit: 5<sup>th</sup> – Fractions: Multiplying & Dividing with Fractions****Lesson: 5.3.L - Dividing with Unit Fractions: Word Problems****Problem Set 1**

1  C. $\frac{1}{64}$ gal	2  B. $\frac{1}{432}$	3  B. 144	4  A. 6	5  D. 128	6  D. $\frac{1}{48}$
7  C. $\frac{1}{48}$ Lb.	8  D. 75 days	9  A. $\frac{1}{18}$ bag	10  128	11  B. 27	12  B. 144
13  C. 50 days	14  A. $\frac{1}{507}$	15  D. 40 weeks	16  C. $\frac{1}{15}$ gallon	17  B. 27 eggs	18  D. $\frac{1}{28}$ jar
19  A. 48 flower beds	20  C. 98	21  B. $\frac{1}{54}$ of the ball	22  $\frac{1}{36}$ ton	23  D. $\frac{1}{40}$ bottle	24  B. 30 hats
25  A. 45 hours	26  A. $\frac{1}{21}$ of a bag per tarantula	27  A. $\frac{1}{18}$ gallon	28  45 cans	29  C. 48	30  B. $\frac{1}{32}$ ton

7. Cyril put a total of  $\frac{1}{8}$  lb of gravel into 6 fish tanks. He put the same amount of gravel in each tank. How many pounds of gravel did Cyril put into each fish tank?

- A.  $\frac{6}{8}$  lb
- B.  $\frac{1}{6}$  lb
- C.  $\frac{1}{48}$  lb
- D.  $\frac{6}{48}$  lb

5.3.L - Dividing with Unit Fractions: Word Problems - PS

8. Malia had 15 lbs of birdseed. She fed her birds  $\frac{1}{5}$  lb of birdseed every day until all the birdseed was gone. For how many days did Malia feed the birdseed to her birds?

- A. 20 Days
- B. 3 Days
- C. 90 Days
- D. 75 Days

5.3.L - Dividing with Unit Fractions: Word Problems - PS

9. Angelina used  $\frac{1}{3}$  of a bag of soil to fill 6 flowerpots. She filled each flowerpot with the same amount of soil. How much did Angelina use to fill each flowerpot?

- A.  $\frac{1}{18}$  of a bag
- B. 18 bags
- C.  $\frac{1}{2}$  of a bag
- D. 2 bags

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10. Amy cut 32 feet of chain into pieces that were each  $\frac{1}{4}$  ft long. How many pieces did Amy have after cutting the chain?

11. Harriet baked 3 cakes. She cut each cake into equal-size pieces. Each piece was  $\frac{1}{9}$  of the cake.

What was the total number of pieces after Harriett cut the cake?

- A. 12
- B. 27
- C. 9
- D. 3

5.3.L - Dividing with Unit Fractions: Word Problems - PS

12. Lucinda had 24 large cans of cat food to share among the cats that live at the shelter. If she gives each cat  $\frac{1}{6}$  of a can of food, how many cats can she feed with the cans she has?

- A. 120
- B. 144
- C. 48
- D. 12

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5.3.L - Dividing with Unit Fractions: Word Problems - PS

**Unit: 5<sup>th</sup> – Fractions: Multiplying & Dividing with Fractions****Lesson: 5.3.L - Dividing with Unit Fractions: Word Problems****Problem Set 2**

1  C. $\frac{1}{64}$ gal	2  B. $\frac{1}{432}$	3  B. 144	4  A. 6	5  D. 128	6  D. $\frac{1}{48}$
7  C. $\frac{1}{48}$ Lb.	8  D. 75 days	9  A. $\frac{1}{18}$ bag	10  128	11  B. 27	12  B. 144
13  C. 50 days	14  A. $\frac{1}{507}$	15  D. 40 weeks	16  C. $\frac{1}{15}$ gallon	17  B. 27 eggs	18  D. $\frac{1}{28}$ jar
19  A. 48 flower beds	20  C. 98	21  B. $\frac{1}{54}$ of the ball	22  $\frac{1}{36}$ ton	23  D. $\frac{1}{40}$ bottle	24  B. 30 hats
25  A. 45 hours	26  A. $\frac{1}{21}$ of a bag per tarantula	27  A. $\frac{1}{18}$ gallon	28  45 cans	29  C. 48	30  B. $\frac{1}{32}$ ton

13. Carlotta the Cavity Queen has 10 bags of jellybeans. If she eats  $\frac{1}{5}$  of a bag a day, how many days will her jellybeans last?

- A. 5 days
- B. 25 days
- C. 50 days
- D. 250 days

5.3.L - Dividing with Unit Fractions: Word Problems - PS

14. What is the value of this expression?

$$\frac{1}{13} \div 39$$

- A.  $\frac{1}{507}$
- B. 507
- C.  $\frac{1}{3}$
- D. 3

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15. Stinky Stan has 5 gallons of his favorite stinky cologne. If he uses  $\frac{1}{8}$  of a gallon of cologne a week, how many weeks will his 5 gallons last?

- A. 400 weeks
- B. 140 weeks
- C.  $\frac{1}{4}$  week
- D. 40 weeks

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16. Disgusting Donald has  $\frac{1}{5}$  of a gallon of his favorite rotten egg and lizard meat soup. He wants to eat the same amount of the soup for the next 3 days. How much soup can he eat per day?

- A. 15 gallons
- B.  $\frac{1}{30}$  gallon
- C.  $\frac{1}{15}$  gallon
- D.  $\frac{1}{25}$  gallon

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17. The Queen of Hasmuchia had 9 bars of gold. She wants to use the bars of gold to make some golden eggs for Easter. She will need  $\frac{1}{3}$  of a bar to make each egg. How many eggs can she make with the bars she has?

- A. 21 eggs
- B. 27 eggs
- C. 30 eggs
- D. 60 eggs

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18. Wanda the Witch has  $\frac{1}{4}$  of a jar of dragon fly sweat that she wants to divide evenly among 7 batches of her famous love potion. How much sweat can she put in each batch?

- A.  $\frac{1}{21}$  jar
- B.  $\frac{1}{14}$  jar
- C.  $\frac{1}{7}$  jar
- D.  $\frac{1}{28}$  jar

5.3.L - Dividing with Unit Fractions: Word Problems - PS

**Unit: 5<sup>th</sup> – Fractions: Multiplying & Dividing with Fractions****Lesson: 5.3.L - Dividing with Unit Fractions: Word Problems****Problem Set 3**

1  C. $\frac{1}{64}$ gal	2  B. $\frac{1}{432}$	3  B. 144	4  A. 6	5  D. 128	6  D. $\frac{1}{48}$
7  C. $\frac{1}{48}$ Lb.	8  D. 75 days	9  A. $\frac{1}{18}$ bag	10  128	11  B. 27	12  B. 144
13  C. 50 days	14  A. $\frac{1}{507}$	15  D. 40 weeks	16  C. $\frac{1}{15}$ gallon	17  B. 27 eggs	18  D. $\frac{1}{28}$ jar
19  A. 48 flower beds	20  C. 98	21  B. $\frac{1}{54}$ of the ball	22  $\frac{1}{36}$ ton	23  D. $\frac{1}{40}$ bottle	24  B. 30 hats
25  A. 45 hours	26  A. $\frac{1}{21}$ of a bag per tarantula	27  A. $\frac{1}{18}$ gallon	28  45 cans	29  C. 48	30  B. $\frac{1}{32}$ ton

19. Martin has 8 bags of mixed wildflower seeds. Each of the flower beds he is planting requires  $\frac{1}{6}$  of a bag. How many flower beds can he plant with the seeds he has?

- A. 48 flower beds
- B. 42 flower beds
- C.  $\frac{1}{48}$  flower beds
- D.  $\frac{6}{48}$  flower beds

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20. Annoying Albert has 14 ounces of itching powder. It takes  $\frac{1}{7}$  of an ounce to make one person itchy. How many people can Albert torment with the itching powder he has?

- A. 28
- B. 48
- C. 98
- D. 108

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21. Ridiculous Rachel has  $\frac{1}{6}$  of a ball of yarn that she wants to use to make nose mittens for her 9 pet butterflies. She will use the same amount of yarn for each mitten. How much yarn will that be for each?

- A.  $\frac{1}{63}$  of the ball
- B.  $\frac{1}{54}$  of the ball
- C.  $\frac{1}{9}$  of the ball
- D.  $\frac{6}{9}$  of the ball

5.3.L - Dividing with Unit Fractions: Word Problems - PS

22. Lucinda has  $\frac{1}{4}$  of a ton of topsoil that she needs to divide evenly among 9 of her customers. How much topsoil is that for each customer?

23. Stinky Stan has  $\frac{1}{10}$  of a bottle left of his favorite stinky cologne. He wants to dab the same amount behind his ears each day for the next 4 days to make sure he is super stinky. How much can he use each day?

- A.  $\frac{1}{20}$  bottle
- B.  $\frac{2}{5}$  bottle
- C.  $\frac{4}{10}$  bottle
- D.  $\frac{1}{40}$  bottle

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24. Fashionable Fiona is making fashionable hats to sell at her store. She has 5 yards of purple ribbon. Each hat requires  $\frac{1}{6}$  of a yard of the ribbon. How many hats can she make with the ribbon she has?

- A.  $\frac{1}{30}$  hat
- B. 30 hats
- C.  $\frac{1}{35}$  hats
- D. 35 hats

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**Unit: 5<sup>th</sup> – Fractions: Multiplying & Dividing with Fractions****Lesson: 5.3.L - Dividing with Unit Fractions: Word Problems****Problem Set 4**

1  C. $\frac{1}{64}$ gal	2  B. $\frac{1}{432}$	3  B. 144	4  A. 6	5  D. 128	6  D. $\frac{1}{48}$
7  C. $\frac{1}{48}$ Lb.	8  D. 75 days	9  A. $\frac{1}{18}$ bag	10  128	11  B. 27	12  B. 144
13  C. 50 days	14  A. $\frac{1}{507}$	15  D. 40 weeks	16  C. $\frac{1}{15}$ gallon	17  B. 27 eggs	18  D. $\frac{1}{28}$ jar
19  A. 48 flower beds	20  C. 98	21  B. $\frac{1}{54}$ of the ball	22  $\frac{1}{36}$ ton	23  D. $\frac{1}{40}$ bottle	24  B. 30 hats
25  A. 45 hours	26  A. $\frac{1}{21}$ of a bag per tarantula	27  A. $\frac{1}{18}$ gallon	28  45 cans	29  C. 48	30  B. $\frac{1}{32}$ ton



25. Sammy the Slug needs to travel 15 feet. He can only travel  $\frac{1}{3}$  of a foot per hour. How long will it take him to travel all 15 feet?

- A. 45 hours
- B.  $\frac{1}{45}$  hour
- C.  $\frac{1}{5}$  hour
- D. 5 hours

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26. Creepy Cristabelle only has  $\frac{1}{7}$  of a bag of tarantula food left to feed her 3 pet tarantulas. She wants to give each tarantula the same amount. How much would that be?

- A.  $\frac{1}{21}$  of a bag per tarantula
- B. 21 bags per tarantula
- C.  $\frac{1}{27}$  bag per tarantula
- D. 27 bags per tarantula

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27. Carlotta the Cavity Queen has  $\frac{1}{6}$  of a gallon of super sweet syrup that she wants to use on her pancakes for breakfast, lunch and dinner. If she uses the same amount of syrup for each of the 3 meals, how much syrup would that be?

- A.  $\frac{1}{18}$  gallon
- B.  $\frac{1}{8}$  gallon
- C.  $\frac{3}{6}$  gallon
- D.  $\frac{6}{18}$  gallon

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28. Wanda the Witch has 9 gallons of hoot owl tears that she is using to make cans of invisibility spray. Each can requires  $\frac{1}{5}$  of a gallon of the tears. How many cans of invisibility spray can she make?

29. Muscular Marvin bought 12 extra large pizzas to feed his weightlifting team before the big meet. If each weightlifter eats  $\frac{1}{4}$  of a pizza, how many of the weightlifters will get pizza?

- A. 24
- B. 36
- C. 48
- D. 60

5.3.L - Dividing with Unit Fractions: Word Problems - PS

30. Zelda the Zookeeper has  $\frac{1}{4}$  of a ton of elephant chow that she needs to divide evenly among 8 elephants. How much will each elephant get?

- A.  $\frac{4}{8}$  ton
- B.  $\frac{1}{32}$  ton
- C.  $\frac{8}{32}$  ton
- D.  $\frac{1}{2}$  ton

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**Unit: 5<sup>th</sup> – Fractions: Multiplying & Dividing with Fractions****Lesson: 5.3.L - Dividing with Unit Fractions: Word Problems****Problem Set 5**

1  C. $\frac{1}{64}$ gal	2  B. $\frac{1}{432}$	3  B. 144	4  A. 6	5  D. 128	6  D. $\frac{1}{48}$
7  C. $\frac{1}{48}$ Lb.	8  D. 75 days	9  A. $\frac{1}{18}$ bag	10  128	11  B. 27	12  B. 144
13  C. 50 days	14  A. $\frac{1}{507}$	15  D. 40 weeks	16  C. $\frac{1}{15}$ gallon	17  B. 27 eggs	18  D. $\frac{1}{28}$ jar
19  A. 48 flower beds	20  C. 98	21  B. $\frac{1}{54}$ of the ball	22  $\frac{1}{36}$ ton	23  D. $\frac{1}{40}$ bottle	24  B. 30 hats
25  A. 45 hours	26  A. $\frac{1}{21}$ of a bag per tarantula	27  A. $\frac{1}{18}$ gallon	28  45 cans	29  C. 48	30  B. $\frac{1}{32}$ ton