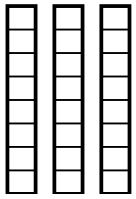
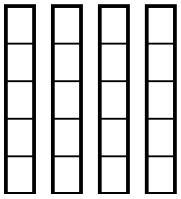
Use the visual models to solve.

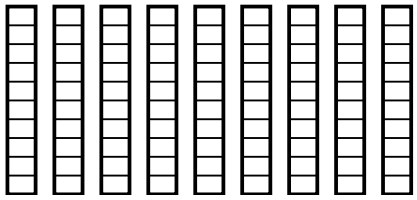
1) $\frac{5}{8} \times 3 =$



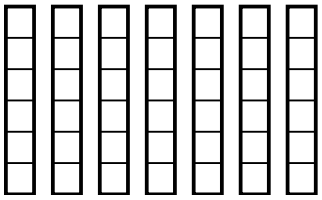
2) $\frac{1}{5} \times 4 =$



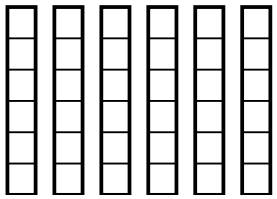
3) $\frac{8}{10} \times 9 =$



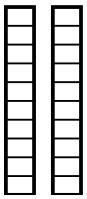
4) $\frac{3}{6} \times 7 =$



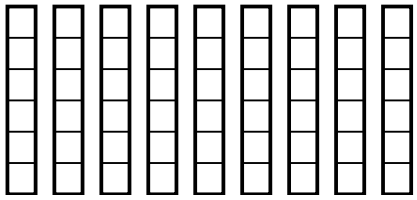
5) $\frac{5}{6} \times 6 =$



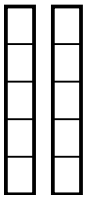
6) $\frac{8}{10} \times 2 =$



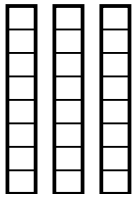
7) $\frac{1}{6} \times 9 =$



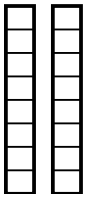
8) $\frac{1}{5} \times 2 =$



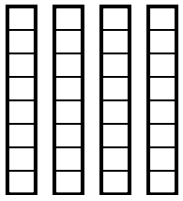
9) $\frac{1}{8} \times 3 =$



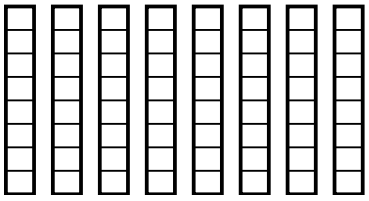
10) $\frac{4}{8} \times 2 =$



11) $\frac{2}{8} \times 4 =$



12) $\frac{6}{8} \times 8 =$



Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Multiplying Unit Fractions by Whole Numbers

Name:

Solve each problem.

Ex) $\frac{1}{10} \times 5 = \frac{5}{10}$

1) $\frac{1}{4} \times 9 =$

2) $\frac{1}{5} \times 5 =$

3) $5 \times \frac{1}{8} =$

4) $6 \times \frac{1}{8} =$

5) $\frac{1}{12} \times 4 =$

6) $4 \times \frac{1}{6} =$

7) $\frac{1}{5} \times 4 =$

8) $6 \times \frac{1}{4} =$

9) $10 \times \frac{1}{8} =$

10) $10 \times \frac{1}{12} =$

11) $\frac{1}{10} \times 7 =$

12) $4 \times \frac{1}{4} =$

13) $10 \times \frac{1}{5} =$

14) $5 \times \frac{1}{3} =$

15) $2 \times \frac{1}{3} =$

16) $\frac{1}{6} \times 3 =$

17) $9 \times \frac{1}{12} =$

18) $\frac{1}{4} \times 8 =$

19) $\frac{1}{4} \times 10 =$

20) $10 \times \frac{1}{10} =$

Answers

Ex. $\frac{5}{10}$

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Multiplying Fractions by Whole Numbers

Name:

Solve each problem. Answer as a mixed fraction.

Ex) $\frac{2}{3} \times 8 = 5\frac{1}{3}$

1) $\frac{3}{5} \times 3 =$

2) $\frac{1}{5} \times 7 =$

3) $5 \times \frac{4}{6} =$

4) $\frac{5}{12} \times 8 =$

5) $3 \times \frac{5}{6} =$

6) $8 \times \frac{2}{6} =$

7) $\frac{6}{10} \times 3 =$

8) $\frac{4}{8} \times 6 =$

9) $4 \times \frac{2}{3} =$

10) $6 \times \frac{1}{5} =$

11) $2 \times \frac{1}{4} =$

12) $\frac{2}{4} \times 9 =$

13) $5 \times \frac{1}{3} =$

14) $10 \times \frac{2}{3} =$

15) $6 \times \frac{2}{4} =$

16) $3 \times \frac{3}{8} =$

17) $6 \times \frac{5}{8} =$

18) $\frac{2}{4} \times 5 =$

19) $\frac{3}{4} \times 6 =$

20) $7 \times \frac{11}{12} =$

Answers

Ex. $5\frac{1}{3}$

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Solve each problem.

1) Rachel was packing up some of her old stuff into a box. A box can hold eight pounds, but she only filled it up two-quarters full. How much weight was in the box?

2) A chef cooked seven kilograms of mashed potatoes for a dinner party. If the guests only ate three-quarters of the amount he cooked, how much did they eat?

3) A pitcher could hold two-twelfths of a gallon of water. If Roger filled up nine pitchers, how much water would he have?

4) Will ran four miles on his first day of training. The next day he ran one-third that distance. How far did he run the second day?

5) Billy stacked six pieces of wood on top of one another. If each piece was three-quarters of a foot tall, how tall was his pile?

6) Debby needed one-third of a cup of water for 1 flower. If she had nine flowers how many cups would she need?

7) On Monday it snowed nine inches. The next day it snowed one-half that amount. How much did it snow on the second day?

8) A farmer gives each of his horses one-sixth of a salt lick a month. If he has seven horses, how many salt licks does he use a month?

9) Each day a company used seven-tenths of a box of paper. How many boxes would they have used after three days?

10) A group of seven friends each received one-half of a pound of candy. How much candy did they receive total?

11) A dog groomer could clean six dogs in an hour. How many could they clean in five-tenths of an hour?

12) A bakery used three cups of flour to make a full size cake. If they wanted to make a cake that was one-half the size, how many cups of flour would they need?

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Solve each problem.

1) $\frac{1}{2} \times \frac{1}{2} =$

2) $\frac{1}{4} \times \frac{3}{5} =$

3) $\frac{1}{2} \times \frac{4}{5} =$

4) $\frac{2}{3} \times \frac{1}{2} =$

5) $\frac{2}{5} \times \frac{1}{3} =$

6) $\frac{1}{2} \times \frac{4}{5} =$

7) $\frac{2}{3} \times \frac{1}{2} =$

8) $\frac{1}{2} \times \frac{1}{5} =$

9) $\frac{3}{5} \times \frac{3}{4} =$

10) $\frac{1}{3} \times \frac{2}{4} =$

11) $\frac{1}{2} \times \frac{1}{5} =$

12) $\frac{2}{4} \times \frac{1}{4} =$

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

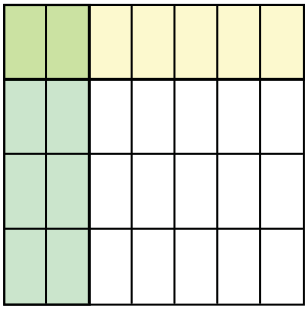
1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Multiplying Fractions (Visual)

Name:

Use the box provided to show a visual example of how to multiply two fractions.

Ex) $\frac{2}{7} \times \frac{1}{4} =$



1) $\frac{1}{4} \times \frac{4}{7} =$

2) $\frac{1}{3} \times \frac{1}{2} =$

3) $\frac{2}{7} \times \frac{2}{4} =$

4) $\frac{2}{8} \times \frac{3}{6} =$

5) $\frac{8}{9} \times \frac{2}{3} =$

6) $\frac{3}{8} \times \frac{1}{2} =$

7) $\frac{2}{6} \times \frac{1}{5} =$

8) $\frac{5}{9} \times \frac{1}{2} =$

9) $\frac{3}{8} \times \frac{2}{9} =$

10) $\frac{5}{9} \times \frac{1}{2} =$

11) $\frac{1}{7} \times \frac{2}{7} =$

Answers

Ex. 2/28

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____

1-10	91	82	73	64	55	45	36	27	18	9
11	0									

Finding Fraction Products

Name:

Use 'More' or 'Less' to answer each question.

1) $\frac{1}{2} \times 8\frac{1}{8} = ?$ Will the product be more or less than $8\frac{1}{8}$?

2) $\frac{5}{6} \times \frac{22}{3} = ?$ Will the product be more or less than $\frac{5}{6}$?

3) $5\frac{1}{3} \times \frac{6}{7} = ?$ Will the product be more or less than $5\frac{1}{3}$?

4) $6\frac{7}{9} \times \frac{21}{5} = ?$ Will the product be more or less than $\frac{21}{5}$?

5) $8\frac{2}{4} \times 5\frac{4}{6} = ?$ Will the product be more or less than $8\frac{2}{4}$?

6) $8 \times \frac{2}{4} = ?$ Will the product be more or less than $\frac{2}{4}$?

7) $4\frac{2}{8} \times \frac{22}{9} = ?$ Will the product be more or less than $4\frac{2}{8}$?

8) $3\frac{1}{5} \times 3\frac{1}{8} = ?$ Will the product be more or less than $3\frac{1}{8}$?

9) $2\frac{7}{8} \times \frac{1}{9} = ?$ Will the product be more or less than $\frac{1}{9}$?

10) $9\frac{8}{9} \times \frac{1}{2} = ?$ Will the product be more or less than $9\frac{8}{9}$?

11) $\frac{2}{6} \times 9 = ?$ Will the product be more or less than $\frac{2}{6}$?

12) $\frac{3}{9} \times 1 = ?$ Will the product be more or less than 1 ?

13) $\frac{2}{3} \times \frac{1}{2} = ?$ Will the product be more or less than $\frac{1}{2}$?

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____

1-10	92	85	77	69	62	54	46	38	31	23
11-13	15	8	0							

Solve each problem. Write your answer as a mixed number (if possible).

1) Robin needed $3\frac{2}{3}$ feet of thread to finish a pillow she was making. If she has 2 times as much thread as she needs, what is the length of the thread she has?

2) A single box of thumb tacks weighed $3\frac{1}{2}$ ounces. If a teacher had $4\frac{1}{7}$ boxes, how much would their combined weight be?

3) Chloe collected 4 times as many bags of cans as her friend. If her friend collected $\frac{1}{6}$ of a bag, how much did Chloe collect?

4) At the malt shop a large chocolate shake takes $\frac{8}{9}$ of a pint of milk. If the medium shake takes $\frac{1}{7}$ the amount of a large, how much does the medium shake take?

5) A bottle of soda had $4\frac{2}{7}$ of the daily recommended sugar. If you were to drink $\frac{1}{2}$ of the bottle, how much of the daily recommend sugar would you have drank?

6) A soda shop owner told his employee to add 2 full cups and $\frac{1}{5}$ of a cup of syrup to each gallon of soda. If there were 4 gallons of soda, how much syrup would be needed?

7) Adam had a lump of silly putty that was $4\frac{5}{6}$ inches long. If he stretched it out to $2\frac{2}{3}$ times its current length how long would it be?

8) A musician's hair was originally 3 inches long. She asked her hair dresser to cut $\frac{5}{6}$ of it off. How many inches did she have cut off?

9) After a party there was $\frac{1}{2}$ of a pizza leftover. If the George gave $\frac{1}{2}$ of the leftover to Olivia, what fraction of the pizza did he give to her?

10) A geologist had two rocks on a scale that weighed $2\frac{1}{2}$ lbs together. Rock A was $\frac{1}{7}$ of the total weight. How much did rock A weigh?

11) A air freshener used $3\frac{3}{4}$ milliliters of perfume. If Wendy wanted to make 3 air freshners, how many milliliters of perfume would she use?

12) A batch of chicken required $3\frac{1}{3}$ cups of flour. If a fast food restaurant was making $4\frac{3}{7}$ batches, how much flour would they need?

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Multiplying Fractions with Cross Cancelling

Name:

Solve each problem. Answer as an improper fraction (if necessary).

1) $\frac{3}{8} \times \frac{7}{9} =$

2) $\frac{2}{5} \times \frac{5}{7} =$

3) $\frac{3}{5} \times \frac{1}{3} =$

4) $\frac{3}{4} \times \frac{2}{7} =$

5) $\frac{2}{3} \times \frac{1}{2} =$

6) $\frac{7}{8} \times \frac{2}{5} =$

7) $\frac{6}{7} \times \frac{7}{10} =$

8) $\frac{2}{9} \times \frac{3}{8} =$

9) $\frac{3}{4} \times \frac{4}{9} =$

10) $\frac{2}{50} \times \frac{5}{18} =$

11) $\frac{9}{24} \times \frac{6}{90} =$

12) $\frac{2}{45} \times \frac{9}{20} =$

13) $\frac{5}{6} \times \frac{8}{7} =$

14) $2\frac{1}{2} \times \frac{1}{10} =$

15) $\frac{3}{2} \times 3\frac{5}{6} =$

16) $2\frac{4}{7} \times \frac{1}{10} =$

17) $\frac{7}{9} \times \frac{15}{4} =$

18) $\frac{5}{2} \times 3\frac{3}{5} =$

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____

1-10	94	89	83	78	72	67	61	56	50	44
11-18	39	33	28	22	17	11	6	0		