Solve each problem.

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

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

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

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

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

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

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

7) $7 \times \frac{1}{12} =$

8) $6 \times \frac{1}{12} =$

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

10) $9 \times \frac{1}{3} =$

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

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

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

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

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

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

17) $4 \times \frac{1}{3} =$

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

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

20) $4 \times \frac{1}{10} =$

Answers

Ex. $\frac{4}{4} = 1$

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 Unit Fractions by Whole Numbers Name: **Answer Key**

Solve each problem.

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

1) $7 \times \frac{1}{4} = 1\frac{3}{4}$

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

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

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

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

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

7) $7 \times \frac{1}{12} = \frac{7}{12}$

8) $6 \times \frac{1}{12} = \frac{6}{12}$

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

10) $9 \times \frac{1}{3} = 3$

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

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

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

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

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

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

17) $4 \times \frac{1}{3} = 1\frac{1}{3}$

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

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

20) $4 \times \frac{1}{10} = \frac{4}{10}$

Answers

Ex. $\frac{4}{4} = 1$

1. $\frac{7}{4} = 1\frac{3}{4}$
2. $\frac{5}{10}$
3. $\frac{2}{8}$
4. $\frac{2}{4}$
5. $\frac{6}{6} = 1$
6. $\frac{2}{12}$
7. $\frac{7}{12}$
8. $\frac{6}{12}$
9. $\frac{2}{10}$
10. $\frac{9}{3} = 3$
11. $\frac{2}{5}$
12. $\frac{9}{12}$
13. $\frac{6}{5} = 1\frac{1}{5}$
14. $\frac{5}{8}$
15. $\frac{4}{8}$
16. $\frac{2}{3}$
17. $\frac{4}{3} = 1\frac{1}{3}$
18. $\frac{8}{8} = 1$
19. $\frac{5}{12}$
20. $\frac{4}{10}$

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. Answer as a mixed fraction.

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

1) $3 \times \frac{6}{12} =$

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

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

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

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

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

7) $4 \times \frac{3}{10} =$

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

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

10) $9 \times \frac{2}{4} =$

11) $4 \times \frac{1}{3} =$

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

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

14) $6 \times \frac{3}{5} =$

15) $9 \times \frac{5}{8} =$

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

17) $9 \times \frac{1}{3} =$

18) $\frac{5}{6} \times 7 =$

19) $6 \times \frac{2}{8} =$

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

Answers

Ex. $\frac{8}{10}$

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

Solve each problem. Answer as a mixed fraction.

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

1) $3 \times \frac{6}{12} = 1\frac{6}{12}$

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

3) $\frac{4}{6} \times 8 = 5\frac{2}{6}$

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

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

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

7) $4 \times \frac{3}{10} = 1\frac{2}{10}$

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

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

10) $9 \times \frac{2}{4} = 4\frac{2}{4}$

11) $4 \times \frac{1}{3} = 1\frac{1}{3}$

12) $\frac{8}{10} \times 4 = 3\frac{2}{10}$

13) $\frac{1}{4} \times 9 = 2\frac{1}{4}$

14) $6 \times \frac{3}{5} = 3\frac{3}{5}$

15) $9 \times \frac{5}{8} = 5\frac{5}{8}$

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

17) $9 \times \frac{1}{3} = 3$

18) $\frac{5}{6} \times 7 = 5\frac{5}{6}$

19) $6 \times \frac{2}{8} = 1\frac{4}{8}$

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

Answers

Ex. $\frac{8}{10}$

1. $1\frac{6}{12}$
2. $2\frac{2}{6}$
3. $5\frac{2}{6}$
4. $3\frac{3}{4}$
5. 4
6. 6
7. $1\frac{2}{10}$
8. $1\frac{4}{6}$
9. $2\frac{5}{10}$
10. $4\frac{2}{4}$
11. $1\frac{1}{3}$
12. $3\frac{2}{10}$
13. $2\frac{1}{4}$
14. $3\frac{3}{5}$
15. $5\frac{5}{8}$
16. $1\frac{1}{3}$
17. 3
18. $5\frac{5}{6}$
19. $1\frac{4}{8}$
20. $2\frac{4}{8}$

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. Answer as an improper fraction (if possible).

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

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

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

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

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

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

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

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

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

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

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

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

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. Answer as an improper fraction (if possible).

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

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

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

$\frac{3}{4} \times \frac{3}{5} = \frac{9}{20}$

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

$\frac{1}{2} \times \frac{3}{4} = \frac{3}{8}$

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

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

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

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

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

$\frac{4}{5} \times \frac{2}{5} = \frac{8}{25}$

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

$\frac{1}{3} \times \frac{1}{4} = \frac{1}{12}$

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

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

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

$\frac{2}{3} \times \frac{1}{4} = \frac{2}{12}$

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

$\frac{4}{5} \times \frac{1}{3} = \frac{4}{15}$

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

$\frac{2}{4} \times \frac{1}{4} = \frac{2}{16}$

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

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

Answers

1. 2/6
2. 9/20
3. 3/8
4. 1/4
5. 2/6
6. 8/25
7. 1/12
8. 4/9
9. 2/12
10. 4/15
11. 2/16
12. 1/4

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

Solve each problem.Answer as a mixed number (if possible).

1) An air freshener used $2\frac{1}{2}$ milliliters of perfume. If Lana wanted to make 3 air fresheners, how many milliliters of perfume would she use?

2) Frank had a lump of silly putty that was $2\frac{1}{6}$ inches long. If he stretched it out to $3\frac{1}{5}$ times its current length how long would it be?

3) A chef cooked 2 kilograms of mashed potatoes for a dinner party. If the guests only ate $\frac{1}{2}$ of the amount he cooked, how much did they eat?

4) In a classroom $\frac{3}{4}$ of the students are boys. Of the boys $\frac{4}{6}$ play sports. What fraction of students in the class are boys who play sports?

5) A bag of pistachios is $2\frac{1}{5}$ ounces. If you have $\frac{2}{5}$ of a bag, how many ounces does it weigh?

6) Each day a carwash used $3\frac{4}{9}$ gallons of soap. After 4 days, how much soap would they have used?

7) A bottle of home-made cleaning solution took $2\frac{3}{4}$ milliliters of lemon juice. If Vanessa wanted to make $2\frac{6}{9}$ bottles, how many milliliters of lemon juice would she need?

8) Billy lived 4 miles from his school. If he rode his bike $\frac{3}{5}$ of the distance and then walked the rest, how far did he ride his bike?

9) Cody filled a pitcher up $\frac{2}{5}$ full then poured $\frac{1}{6}$ of the pitcher into a glass. What fraction of the total pitcher did he pour into the glass?

10) A full container of industrial cleaning solution had $3\frac{1}{2}$ liters of liquid. If the container was only $\frac{1}{2}$ full, how many liters are in there?

11) A box of folders weighs $2\frac{6}{9}$ pounds. If you have 4 boxes, how much would they weigh?

12) Amy had 3 full cement blocks and one that was $\frac{6}{8}$ the normal size. If each full block weighed $4\frac{4}{8}$ pounds, what is the weight of the blocks Amy has?

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								

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12) Amy had 3 full cement blocks and one that was $\frac{6}{8}$ the normal size. If each full block weighed $4\frac{4}{8}$ pounds, what is the weight of the blocks Amy has?

Answers

1. $7\frac{1}{2}$
2. $6\frac{28}{30}$
3. 1
4. $0\frac{12}{24}$
5. $0\frac{22}{25}$
6. $13\frac{7}{9}$
7. $7\frac{12}{36}$
8. $2\frac{2}{5}$
9. $0\frac{2}{30}$
10. $1\frac{3}{4}$
11. $10\frac{6}{9}$
12. $16\frac{56}{64}$

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