

Equivalent Fractions of Numbers with Denominators up to 100 and 1000

$$\frac{1}{2} = \text{___ out of 100 or ___ out of 1,000}$$

$$\frac{1}{5} = \text{___ out of 100 or ___ out of 1,000}$$

$$\frac{1}{10} = \text{___ out of 100 or ___ out of 1,000}$$

$$\frac{1}{4} = \text{___ out of 100 or ___ out of 1,000}$$

$$\frac{1}{8} = \text{___ out of 1,000}$$

$$\frac{3}{5} = \text{___ out of 100 or ___ out of 1,000}$$

$$\frac{3}{4} = \text{___ out of 100 or ___ out of 1,000}$$

$$\frac{8}{10} = \text{___ out of 100 or ___ out of 1,000}$$

$$\frac{\text{—}}{\text{—}} = 90 \text{ out of 100 or 900 out of 1,000}$$

$$\frac{4}{5} = \text{___ out of 100 or ___ out of 1,000}$$

Equivalent Fractions of Halves, Thirds, Quarters, Fifths and Tenths

$$\frac{1}{2} = \underline{\hspace{1cm}} \text{ eighths}$$

$$\frac{1}{5} = \underline{\hspace{1cm}} \text{ tenths}$$

$$\frac{3}{4} = \underline{\hspace{1cm}} \text{ eighths}$$

$$\frac{1}{4} = \underline{\hspace{1cm}} \text{ eighths}$$

$$\frac{4}{8} = \underline{\hspace{1cm}} \text{ quarters}$$

$$\frac{3}{5} = \underline{\hspace{1cm}} \text{ tenths}$$

$$\frac{2}{5} = \underline{\hspace{1cm}} \text{ tenths}$$

$$\frac{8}{10} = \underline{\hspace{1cm}} \text{ fifths}$$

$$\frac{5}{10} = \underline{\hspace{1cm}} \text{ half}$$

$$\frac{4}{5} = \underline{\hspace{1cm}} \text{ tenths}$$

Convert Fractions to Percentages And Vice Versa

Complete these:

$$\frac{1}{2} = \underline{\quad}\%$$

$$\frac{1}{5} = \underline{\quad}\%$$

$$\frac{3}{4} = \underline{\quad}\%$$

$$\frac{\quad}{\quad} = 80\%$$

$$\frac{1}{3} = \underline{\quad}\%$$

$$\frac{3}{5} = \underline{\quad}\%$$

$$\frac{\quad}{\quad} = 10\%$$

$$\frac{8}{10} = \underline{\quad}\%$$

$$\frac{5}{10} = \underline{\quad}\%$$

$$\frac{4}{5} = \underline{\quad}\%$$



Fractions to Decimals and Vice Versa

$$\frac{1}{2} = \underline{\hspace{2cm}}$$

$$\frac{6}{10} = \underline{\hspace{2cm}}$$

$$\frac{3}{4} = \underline{\hspace{2cm}}$$

$$\frac{1}{4} = \underline{\hspace{2cm}}$$

$$\frac{\hspace{1cm}}{\hspace{1cm}} = 0.8$$

$$\frac{\hspace{1cm}}{\hspace{1cm}} = 0.45$$

$$\frac{\hspace{1cm}}{\hspace{1cm}} = 0.81$$

$$\frac{8}{100} = \underline{\hspace{2cm}}$$

$$\frac{3}{10} = \underline{\hspace{2cm}}$$

$$\frac{1}{3} = \underline{\hspace{2cm}}$$

Decimals to Percentages and Vice Versa

$$0.15 = \underline{\hspace{2cm}}\%$$

$$99\% = \underline{\hspace{2cm}}$$

$$0.08 = \underline{\hspace{2cm}}\%$$

$$0.1 = \underline{\hspace{2cm}}\%$$

$$51\% = \underline{\hspace{2cm}}$$

$$0.35 = \underline{\hspace{2cm}}\%$$

$$0.88 = \underline{\hspace{2cm}}\%$$

$$6\% = \underline{\hspace{2cm}}$$

$$25\% = \underline{\hspace{2cm}}$$

$$0.85 = \underline{\hspace{2cm}}\%$$

$$23\% = \underline{\hspace{2cm}}$$

Common Factors of Lists of Multiples

What are the common factors (less than 10) of these numbers?

24, 36 and 48 _____

15, 30 and 45 _____

16, 32 and 48 _____

12, 20 and 28 _____

35, 70 and 105 _____

32, 64 and 96 _____

49, 63 and 84 _____

18, 36 and 42 _____

Prime Numbers to 100

(Numbers with only two factors)

List the prime numbers to 100 in order:

2, 3, _____, _____, _____, _____, _____, _____, _____, _____

_____, _____, _____, _____, _____, _____, _____, _____, _____

_____, _____, _____, _____, _____, _____, 101

Factors of Numbers

List the factors of these numbers as an ordered set:

e.g. $18 = \{1, 2, 3, 6, 9, 18\}$

24 = _____

36 = _____

49 = _____

29 = _____

54 = _____

33 = _____

56 = _____

72 = _____

64 = _____



Square Roots of Numbers to 100

Square root of 49 = ____

Square root of 16 = ____

Square root of 64 = ____

Square root of 100 = ____

Square root of 36 = ____

Square root of 81 = ____

Square root of 25 = ____

Square root of 9 = ____

Square root of 4 = ____

Squares of Numbers

$$4^2 = \underline{\quad}$$

$$1^2 = \underline{\quad}$$

$$7^2 = \underline{\quad}$$

$$6^2 = \underline{\quad}$$

$$10^2 = \underline{\quad}$$

$$8^2 = \underline{\quad}$$

$$2^2 = \underline{\quad}$$

$$9^2 = \underline{\quad}$$

$$3^2 = \underline{\quad}$$

$$5^2 = \underline{\quad}$$



Rounding Numbers to Nearest Whole and/or Tenth

	Rounded to Nearest Whole	Rounded to Nearest Tenth
42.65	43	42.7
1.08		
17.36		
84.97		
106.73		
204.7		
3.045		
54.3		
998.75		

Divisibility Rules for 2, 3, 5, 9 and 10

What is the rule for a number being divisible by 2?

What is the rule for a number being divisible by 3?

What is the rule for a number being divisible by 5?

What is the rule for a number being divisible by 9?

What is the rule for a number being divisible by 10?

	Divisible by: <i>Fill in 'Y' or 'N'</i>				
Number	2	3	5	9	10
720					
125					
243					
650					
651					
348					

Groups of 9s, up to 90 with Remainders (e.g. 73 = 8 nines, remainder 1)

1. 29 = _____

2. 75 = _____

3. 46 = _____

4. 58 = _____

5. 98 = _____

6. 74 = _____

7. 87 = _____

8. 39 = _____

9. 84 = _____

Groups of 6s, up to 60 with Remainders (e.g. 73 = 8 nines, remainder 1)

34 = _____

58 = _____

45 = _____

51 = _____

37 = _____

44 = _____

57 = _____

39 = _____

49 = _____

Divided by 8

(e.g. $8 \div 8 = 1$)

1. $32 \div 8 = \square$

2. $72 \div 8 = \square$

3. $24 \div 8 = \square$

4. $8 \div 8 = \square$

5. $40 \div 8 = \square$

6. $64 \div 8 = \square$

7. $\square \div 8 = 7$

8. $\square \div 8 = 10$

9. $\square \div 8 = 0$

10. $16 \div \square = 2$

11. $88 \div \square = 8$

Divided by 7

(e.g. $14 \div 7 = 2$)

1. $63 \div 7 =$

2. $21 \div 7 =$

3. $\square \div 7 = 5$

4. $56 \div 7 = \square$

5. $\square \div 7 = 7$

6. $\square \div 7 = 1$

7. $\square \div 7 = 6$

8. $\square \div 7 = 8$

Divided by 6

(e.g. $6 \div 6 = 1$)

1. $30 \div 6 = \square$

2. $54 \div 6 = \square$

3. $24 \div 6 = \square$

4. $6 \div 6 = \square$

5. $42 \div 6 = \square$

6. $66 \div 6 = \square$

7. $\square \div 6 = 7$

8. $\square \div 6 = 10$

9. $\square \div 6 = 0$

10. $12 \div \square = 2$

11. $18 \div \square = 6$