

# Lowest Common Multiple of Numbers to 100

**What is the lowest common multiple (LCM)  
of these pairs of numbers?**

5 and 4

6 and 8

4 and 9

6 and 7

7 and 8

3 and 8

9 and 6

5 and 8

3 and 7



# Highest Common Factor of Numbers to 100

**What is the highest common factor (HCF) of these pairs of numbers?**

16 and 25

16 and 40

20 and 36

48 and 36

35 and 56

21 and 40

24 and 64

12 and 60

42 and 34

# Conversion of Fractions to and from Percentages

$$\frac{1}{4} = \square\%$$

$$50\% = \square \text{ or } = \square \text{ or } = \square$$

$$\frac{1}{8} = \square\%$$

$$20\% = \square$$

$$\frac{3}{10} = \square\%$$

$$\frac{11}{25} = \square\%$$

$$\frac{15}{20} = \square\%$$

$$80\% = \square$$

$$\frac{7}{8} = \square\%$$

$$\frac{3}{5} = \square\%$$

# Conversion of Fractions to and from Decimals

$$\frac{1}{4} = \square$$

$$0.7 = \square$$

$$\frac{75}{100} = \square$$

$$0.45 = \square$$

$$\frac{5}{4} = \square$$

$$0.605 = \square$$

$$1.125 = \square / 8$$

$$\frac{16}{20} = \square$$

$$\frac{44}{100} = \square$$

$$1.25 = \square$$

## Calculate Percentage Discounts from Money

A sale has 50% off all toys. If a scooter cost \$86 before, what is the sale price? \_\_\_\_\_

Initial cost of a book is \$40. With 10% off it now costs \_\_\_\_?

A new bike is listed as \$320. With 25% off what does it now cost? \_\_\_\_\_

What percentage reduction takes something costing \$90 to now cost \$60? \_\_\_\_\_

A car cost \$3600. It sells with a 10% discount. What did the new buyer pay? \_\_\_\_\_



## Exponents or Powers of Numbers

1.  $2^4 =$  \_\_\_\_\_

2.  $4^2 =$  \_\_\_\_\_

3.  $4^3 =$  \_\_\_\_\_

4.  $9^2 =$  \_\_\_\_\_

5. 3 to the power of 4 is \_\_\_\_\_

6. 2 to the power of 5 is \_\_\_\_\_

7.  $5^2 =$  \_\_\_\_\_

8.  $5^3 =$  \_\_\_\_\_

9.  $7^2 =$  \_\_\_\_\_

10.  $9^2 =$  \_\_\_\_\_

## Divisibility Rules for 4, 6 and 8

748 has 2 as a factor. Explain whether it can be divided by 4.  
Check by working out 748 divided by 4.

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9,648 has factors 2 and 3. Explain whether 6 is a factor. Check  
by working out 9,648 divided by 6.

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14,236 has 2 and 4 as factors. Explain why we can conclude  
that 8 is not a factor of 14,236.

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<i>Fill in 'Y' or 'N'</i>	<b>Divisible by:</b>		
<b>Number</b>	<b>4</b>	<b>6</b>	<b>8</b>
<b>22,236</b>			
<b>402,042</b>			
<b>16,200</b>			
<b>25, 920</b>			
<b>175,392</b>			

## Division of Decimals by 10, 100 and 1000

$$67 \div 10 = \square$$

$$16 \div 10 = \square$$

$$16 \div 100 = \square$$

$$34.5 \div 10 = \square$$

$$6 \div 10 = \square$$

$$0.6 \div 10 = \square$$

$$42.1 \div 100 = \square$$

$$8.22 \div 10 = \square$$

$$7.66 \div 1000 = \square$$

$$2.06 \div 100 = \square$$

$$0.67 \div 10 = \square$$

$$43 \div 1000 = \square$$



# Multiplication of Decimals by 10, 100 and 1000

$$10 \times 4.03 = \square$$

$$2.9 \times 100 = \square$$

$$7.8 \times 1000 = \square$$

$$100 \times 0.25 = \square$$

$$0.5 \times 10 = \square$$

$$0.06 \times 100 = \square$$

$$40.1 \times 100 = \square$$

$$8.38 \times 10 = \square$$

$$6.22 \times 1000 = \square$$

$$100 \times 1.27 = \square$$

$$1000 \times 3.04 = \square$$

$$9.02 \times 100 = \square$$

# Round Decimals to Nearest

**100, 10, 1,  $\frac{1}{10}$  or  $\frac{1}{100}$**

	<b>100</b>	<b>10</b>	<b>1</b>	<b><math>\frac{1}{10}</math></b>	<b><math>\frac{1}{100}</math></b>
<b>1,125.076</b>	<i>1100</i>	1130	1125	1125.1	1125.08
<b>5,230.18</b>					
<b>780.6</b>					
<b>14.056</b>					
<b>30,723.55</b>					
<b>9.75</b>					
<b>987.654</b>					
<b>47.541</b>					
<b>20.125</b>					

# How Many Tenths, Hundredths or Thousandths?

How many tenths in 35.7? \_\_\_\_

How many hundredths in 4.06? \_\_\_\_

How many thousandths in 8.201? \_\_\_\_

How many tenths in 0.14? \_\_\_\_

How many tenths in 23.06? \_\_\_\_

How many hundredths in 67.34? \_\_\_\_

How many thousandths in 3.28? \_\_\_\_

How many thousandths in 2.007? \_\_\_\_

How many hundredths in 31.6? \_\_\_\_

