Percent(<1% or > 100%) of a Number - Meet the Skill

Name	Date
Calculate: 120% of 1200 =	
Solution:	
For calculating percent of a number first we Then, where ever we see the word "of" in the multiply above obtained decimal number by	he word problem, that mean we have to
Change 120% into decimal number by divide $= \frac{12}{10}$ $= 1.$	2 <u>0</u>

 $=>1200 \times 1.20$ = 1,440

Answer: 1,440

Multiply the number by percentage fraction

Percent(<1% or > 100%) of a Number - Try the Skill

Nam	ıme	Date
Calcu	culate:% of 100 = 50	
Solut	ution:	
Let th	the percent number be Y.	
For ca	calculating the percent of a number, first we have	ave to change "of" to multiply.
D:	Y% x 100 = 50	
Divid	ride the number by 100 and remove the percent	sign.
	$\frac{Y}{100} \times 100 = 50$	
Now that.	w take that result to Right-hand-side (RHS) and it.	divide the RHS number with
Simp	nplify the expression.	
	$Y = 50 \text{ X } \frac{100}{100}$	
	Y = 50	
Answ	swer: 50	
Pract	ictice problems	
1	% of 150 = 105 2	% of 50 = 30

$Percent(<1\% \text{ or } > 100\%) \text{ of a Number} - Practice the Skill}$

Name _____ Date ____

Complete the following.

COITIF	Complete the following.				
1	0.8% of 100 =	2	% of 15 = 10		
3	5.5% of 10 =	4	15% of = 18		
5	300% of 38 =	6	% of 6 = 1.5		
7	2.5% of = 0.125	8	120% of = 702		
9	0.6% of 98 =	10	% of 20 = 15		

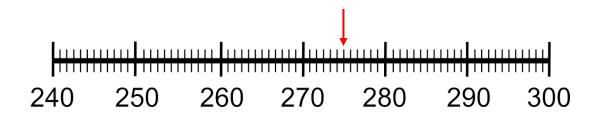
Rounding and Estimating – Meet the Skill

Name _____ Date ____

Round the number 276 to the nearest whole ten. The number line can help.



First locate the number 276 on the number line. The red arrow shows the position of the number. Here, we have to round off 276 to the nearest whole ten. Look just to the right to it and if that digit is greater than or equal to 5, add one to the rounding digit and change all digits to the right of the rounding digit to zero.



So, rounding 276 to nearest tens, it becomes 280.

Rounding and Estimating – Practice the Skill

7 93 ≈ _____ 8 51 ≈ ____

9 28 ≈ ____ 10 36 ≈ ____

Decimal Place Value - Meet the Skill

Name	Date
Write as decimals.	
8 and 865 hur	ndred-thousandths
A decimal value is a numeric string of or anywhere in the value.	ne or more digits that have one decimal
1234567.	Leet under de de la company de
The above figure shows the place of any	digit in a number with their position.
In the above problem the number 8 rep	resents the units place.
To find place for 865 at hundred-thousa hundred- thousand.	ndths position, we will divide the number by
	865
hundred-	- thousandths
10	<u>865</u> 00,000
Place a point by counting the number of at fifth place from left.	zeros in denominator. Here place a decimal
0.	00865
So the complete decimal number is 8.00)865
Answer: 8.00865	

Decimal Place Value - Try the Skill

Name	Date
Write as fractions.	
	1.8275
Write down the decimal number	er divided by 1.
	1.8275/1
2. Multiply both top and bottom bedecimal place):	y 10000 (because there were 4 digits after the
	× 10000
<u>1.83</u>	
	× 10000
We get $\frac{18275}{10000}$ as a fraction	
Answer: $\frac{18275}{10000}$	

Practice Problems.

1	9.0326	2	0.0000265
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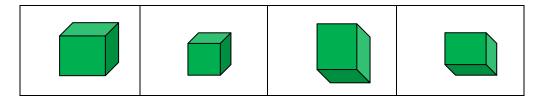
Decimal Place Value - Practice the Skill

Nan	ne	_	Date		
Write	e as decimals.				
1	65 millionths	2	5 and 86 hundredths		
3	45 tenths	4	812 hundred-millionths		
5	Ninety five thousandths	6	913 parts per million		
7	75 and 8 millionths	8	7 and 56 ten thousandths		
9	962 hundred-thousandths	10	11 thousandths		

Congruency – Try the Skill

Name Date

Circle the figure that is congruent to the first figure.



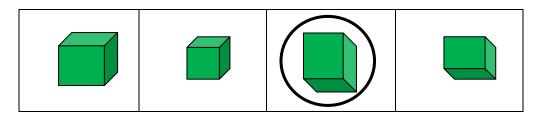
Congruent means the same shape and the same size.

Two congruent shapes may be turned differently or colored differently.

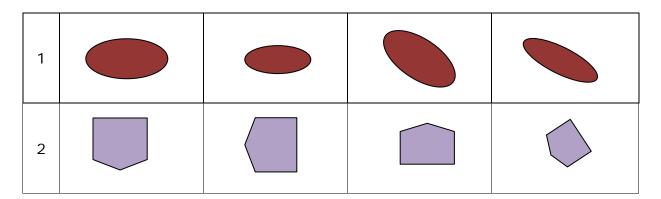
In above problem the 2nd shape is congruent to the first figure.

It has the same size and the shape to the given figure.

Answer:



Practice Problems



Congruency – Practice the Skill

Name Date

The two figures are:

1		congruent similar and not congruent
2		congruent and similar similar and not congruent
3		congruent and similar similar and not congruent
4		similar and congruent similar and not congruent
5		congruent and similar similar and not congruent
6		congruent similar
7		similar and not congruent similar and congruent
8		congruent similar and not congruent
9		congruent similar
10		congruent and similar similar

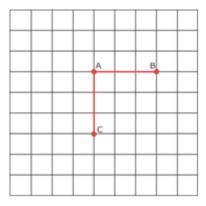
Congruent and Similar - Try the Skill

Nan	ne	Date	
How	are the figures below	are related?	
		Congruent	
		Similar but not congruent	
		Neither similar nor congruent	
The _l	pair of shapes given a	re not of the same shape or size.	
The	refore, the two figures	s are neither similar nor congruent only.	
		Congruent	
		Similar but not congruent	
		Neither similar nor congruent	
Pract	ice Problems		
	<u> </u>	Congruent	
1		Similar but not congruent	
		Neither similar nor congruent	
		Congruent	
2		Similar but not congruent	
		Neither similar nor congruent	

Congruent Lines and Angles - Try the Skill

Name	Dato	
ivame	Date	

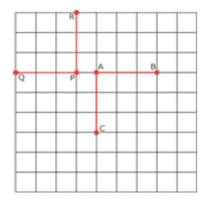
Draw an angle that is congruent to the angle given below in the picture. Place it anywhere in the picture.



Two angles are congruent if they have the same size. In the figure given above, we can see a right angle, it measures 90 degrees.

Now, we can draw an angle anywhere on the grid but it should have length and width of 3 grid squares only. In this way, we can draw various angles congruent to the given angle.

Answer:



(Note: Your answer may vary from the given answer).

Practice Problems

Draw an angle that is congruent to the angle given above in the picture.

Draw an angle that is congruent to the angle given above in the picture.

Add and Subtract Integers – Try the Skill

Name	_	Date
Write expression of the given sentence.		
A lift started from 12 th floor. It travelled 5	floor	s downward. Now it is at floor.
Initial position of the lift = 12 th floor		
Travelled floors = 5 floor downward Or = (-5) Floor upward So add the displacement of the lift and ma	ake th	ne expression
12 +	(- 5)	
Solve the expression: $12 + (-5) = 7$		
Answer: $12 + (-5) = 7^{th}$		
Practice Problems.	1	
A plane was at 250 feet above the sea, it covers 150 feet up in the sky. Now it is at feet	2	The price of a share of stock is \$5663; there was a fall of \$92. Now the price is

Approximations – Try the Skill

Nam	ne	_	Date
a)	oximate the measurement of 86.36 m Whole unit Tenth (1/10) of a unit	neters	s to the nearest
Solut	ion:		
	proximate 86.36 meters to the whole ve the decimal point and make it an		
a) W	hole unit of 86.36 meters		
	und the number 86.36 to nearest wh after the whole number and round i		nit, we have to drop all the decimal
So, 8	6.4 becomes 86		
b) Te	enth (1/10) of 86.36 meters		
To find one tenth (1/10) of any unit we will approximate the answer up to one decimal place.			
Here	86.36 become 86.4		
Answ	er: 86 meter, 86.4 meter		
Pract	tice Problems.		
1	72.20 motor	2	545 24 kilomotors

Convert U.S. and Metric Units - Try the Skill

Nan	ne Date
	s geometry box weighs 5 ounces. How much does it weigh in grams? Round nswer to the nearest gram.
	e problem involves conversion between different weights. In this case, from es to grams
It sho	ould be remembered that
	1 ounce = 28.35 grams
This	implies 5 ounces = 5 X 28.35 grams = 141.75 grams ≈ 142 grams
Answ	rer: 142 grams approx
Pract	ice problems
1	An apple weighs 150 grams. How much does it weigh in ounces?
2	A red colored paper is 8 inches long and the green one is 25 cm long. Which is longer and by how much (in cm)?

Convert U.S. and Metric Units - Show the Skill

wan	ne Date
1	Jerry weighs 100 lb and Kip weighs 54 kg. Who is lighter and by how much in lb?
2	A certain pole is 3 m tall and Theresa is just about half as tall as that pole. How tall is Theresa in feet?
3	A bucket has a capacity of 2.5 gallons. What is its capacity in liters?
4	A LCD monitor is 61 cm in length. What will be its length in inches?
5	Benny says big foot is 180 inches tall, Sara says big foot is 400 cm tall. Who is truthful assuming that big foot is 13 feet tall?
6	Hardy's dad is late so he's driving at the speed of 140 km/hr. If the speed limit is 55 miles/hr, how much faster is Hardy's dad driving in miles?
7	A soft drink bottle is 2 L. How much is its capacity in ounces?
8	To stop the ice cream truck Kane had to run 13 yards. How much he ran in meters?