

Show all work on a separate sheet of paper.

Find the sum, difference, product or quotient.

1.	$453 + 672$		2.	$3687 - 496$	
3.	$24 \cdot 17$		4.	$68 \div 8$	

Solve.

5.	Mr. Mangham had 682 brain cells at the beginning of the school day. By the end of the day his brain cells had dropped to 257. How many brain cells did he lose during the day?	
6.	Harry Potter found 1244 jelly beans in his room at Hogwarts. He split them up into 9 equal groups to give to friends. How many jelly beans were in each group?	
7.	Scooby-Doo loves Scooby snacks. He eats 16 snacks every TV episode. If there are a total of 254 Scooby-Doo episodes, how many total snacks does he eat?	
8.	Mr. Underwood does not like UT. His students surprised him and gave him 2342 UT stickers for his birthday. By the end of the day he was able to give 898 stickers away. How many did he still have left?	

Write the product as a power.

9.	$11 \cdot 11 \cdot 11 \cdot 11$		10.	$2 \times 2 \times 2 \times 2 \times 2$	
11.	$3 \times 3 \times 3$		12.	$25 \cdot 25 \cdot 25 \cdot 25 \cdot 25$	

Solve.

13.	2^5		14.	5 to the 4 th power	
15.	15^2		16.	10 cubed	
17.	$\sqrt{81}$		18.	$\sqrt{196}$	

Fill in the blank with $<$, $>$, or $=$ to make a true sentence.

17.	$101,546$ _____ $101,199$	18.	$599,798$ _____ $601,102$
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Find the value of each expression.

19.	$28 - 8^2 \div 4$	20.	$40 - 12 + 2 \cdot 4$
21.	$15 \cdot (24 - 18) - 5^2$	22.	$(11^2 - 7^2) + 3 \times 14$

Solve.

23.	You go shopping and buy 8 pens at \$2 each, 4 notebooks at \$6 each and a book for \$17. If you give the cashier \$100, how much change do you get back?
24.	A private movie theater has the seats arranged in the shape of a square. There are 6 rows with 6 seats each. Draw a picture below to represent the seating arrangement and determine the total number of seats. Write your answer using an exponent and as a normal whole number.
25.	Mrs. Atkins reads books that have an average of 496 pages. If she read 11 books last month, estimate the number of pages that she read.