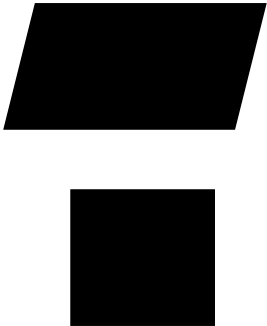


Conceptual and Procedural Understanding Cards

What is $20 + 70$ ?	<p>20 is 2 tens and 70 is 7 tens.            So, 2 tens and 7 tens is 9 tens.            9 tens is the same as 90.</p>	<p><math>2 + 7</math> is 9            So, <math>20 + 70</math> is 90,            as you just add on the zero</p>
$6.345 \times 5.28 = 335.016$ Is this true?	<p>335.016 cannot possibly be the correct product since one factor is greater than 6 and less than 7, while the second factor is greater than 5 and less than 6.            Therefore, the product must be between <math>6 \times 5 = 30</math> and <math>7 \times 6 = 42</math>.</p>	<p>To work out <math>6.345 \times 5.28</math>, you can calculate <math>6345 \times 528 = 3350160</math> then put the decimal point back in, therefore <math>6.345 \times 5.28 = 33.50160</math>, therefore 335.016 is not the correct answer.</p>
What is $6 \times 9$ ?	<p>I know my 8 times tables and <math>6 \times 8 = 48</math>.            Therefore, the product <math>6 \times 9</math> must be 6 more than 48, which is 54.</p>	<p><math>6 \times 1 = 6</math>, <math>6 \times 2 = 12</math>, <math>6 \times 3 = 18</math>, <math>6 \times 4 = 24</math>,  <math>6 \times 5 = 30</math>, <math>6 \times 6 = 36</math>, <math>6 \times 7 = 42</math>, <math>6 \times 8 = 48</math>,  <math>6 \times 9 = 54</math></p>
What is $\pi$ ?	<p><math>\pi</math> is the ratio of the circumference of a circle to its diameter, which is approximately 3 times. Therefore <math>\pi</math> is approximately 3.</p>	<p><math>\pi</math> is equal to 3.14, or <math>22/7</math></p>

# Conceptual and Procedural Understanding Cards

What is 25% of 88?	25% is the same as $\frac{1}{4}$ , and $\frac{1}{4}$ of 88 is 22.	$(88 \div 100) \times 25 = 22$
Prove that 7 is an odd Number.	7 is an odd number because I can't make pairs with all of the counters and odd numbers do not have a factor of two.  ● ● ● ● ● ● ● ●	Numbers go up as even, odd, even, odd..... and so on. Therefore 7 is odd because it lies between two even numbers 6 and 8.
Prove the 5 is a Prime number	5 is a prime number since there are only two ways to arrange the squares to make a rectangle. All prime numbers have only two ways.  □ □ □ □ □      □ □ □ □ □	5 is a prime number because it can only be divided by itself and one to give a whole number answer.
Show that a parallelogram is not a square.	A parallelogram is a quadrilateral with opposite sides parallel and congruent. Since a square is a parallelogram with 4 congruent sides and 4 right angles. A parallelogram that doesn't have these characteristics is a square. A rhombus, parallelogram, or rectangle each meets these conditions.	 Not the same shape