

## Number Bank\*

Cross off each number as it is used on **Fill in the Blank**.

Problem A

0.33	0.33	1.35	1.35
1.35	2	2	18
18	18		

Problem B

$\frac{3}{10}$	$\frac{3}{10}$	$\frac{1}{2}$	$\frac{1}{2}$
$\frac{1}{2}$	5	5	5
10	10	20	20
20			

Problem C

4	4	8	180
180	180	264	264
264			

Problem D

$\frac{3}{4}$	120	160	160
320	320		

### Fill in the Blank

The problem-solving boards are incomplete. You will need to look at each part of the board to determine information needed to complete the other parts. Work with your partner to complete the missing information in each section of the problem-solving boards.

**Problem A:** Laurel buys \_\_\_\_\_ folders that cost \_\_\_\_\_ each and \_\_\_\_\_ packages of pencils that cost \$1.35 per package. What is the total cost of her purchase, not including tax?

<p><b>See</b></p> <p>Number of folders: 18</p> <p>Cost per folder: _____</p> <p>Number of packages of pencils: _____</p> <p>Cost per package of pencils: _____</p>	<p><b>Plan</b></p> <p style="text-align: center;">Total cost</p> <div style="text-align: center;"> </div>
<p><b>Do</b></p> <p>Total cost = _____ (0.33) + 2 ( _____ )</p> <p>Determine the total cost:</p>	<p><b>Reflect</b></p> <p>My solution is reasonable because</p>

**Problem B:** Peter wants to save \_\_\_\_\_ of his weekly earnings from mowing yards. He also wants to save  $\frac{1}{2}$  of his allowance money. He mows \_\_\_\_\_ yards per week and makes \$20 per yard. He receives a \$\_\_\_\_\_ allowance from his parents. How much will he save in one week?

<p><b>See</b></p> <p>Fraction saved from mowing yards: _____</p> <p>Number of yards per week: 5</p> <p>Amount earned per yard: _____</p> <p>Fraction saved from allowance: _____</p> <p>Amount of allowance: _____</p>	<p><b>Plan</b></p> <p style="text-align: center;">Total Savings</p> <div style="text-align: center;"> </div>
<p><b>Do</b></p> <p>Total savings =</p> <p><math>(\frac{3}{10})(\underline{\hspace{1cm}})(\underline{\hspace{1cm}}) + (\underline{\hspace{1cm}})(10)</math></p> <p>Determine his total savings for one week:</p>	<p><b>Reflect</b></p> <p>My solution is reasonable because</p>

<p><b>Problem C:</b> Terez bought _____ custom rims for her car. Each rim cost \$_____, including tax. She also had to pay a \$_____ installation fee. She plans on paying the total amount in 8 equal payments. How much will each payment be?</p>	
<p><b>See</b></p> <p>Number of rims: _____</p> <p>Cost per rim: \$264</p> <p>Installation fee: _____</p> <p>Number of payments: _____</p>	<p><b>Plan</b></p> <div style="text-align: center;"> <p style="text-align: center;">Total cost</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">             Cost per rim: _____              { 4 rims }         </div> <div style="border: 1px solid black; padding: 5px; text-align: center;">             Installation fee: \$180         </div> </div> </div>
<p><b>Do</b></p> <p>Total cost = 4 ( _____ ) + _____</p> <p>Determine the total cost:</p> <p>Determine the amount of each payment:</p>	<p><b>Reflect</b></p> <p>My solution is reasonable because</p>

<p><b>Problem D:</b> Jennifer would like to buy a new cell phone that costs \$_____. She has saved half of the cost so far. If her grandmother gives her <math>\frac{3}{4}</math> of the remaining amount she needs, how much money, <math>x</math>, does Jennifer still need to save for the cell phone?</p>	
<p><b>See</b></p> <p>Cost of cell phone: _____</p> <p>Amount saved so far: _____</p> <p>Fraction of the remaining amount given by grandmother: _____</p>	<p><b>Plan</b></p> <div style="text-align: center;"> <p style="text-align: center;">Total cost = \$320</p> <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">             Amount saved so far: _____         </div> <div style="border: 1px solid black; padding: 5px; text-align: center; margin-left: 10px;"> <div style="background-color: #cccccc; width: 100%; height: 100%; position: relative;"> <div style="position: absolute; top: 0; left: 0; right: 0; height: 20%;"></div> <div style="position: absolute; top: 20%; left: 0; right: 0; height: 20%;"></div> <div style="position: absolute; top: 40%; left: 0; right: 0; height: 20%;"></div> <div style="position: absolute; top: 60%; left: 0; right: 0; height: 20%;"></div> </div> </div> </div> <div style="margin-left: 10px;"> <p>} Amount given by grandmother: _____</p> </div> </div>
<p><b>Do</b></p> <p>Determine the amount of money, <math>x</math>, Jennifer still needs to save.</p>	<p><b>Reflect</b></p> <p>My solution is reasonable because</p>