

Whole Number Ratios

DMTI VARIED PRACTICE – DISCRETE SITUATIONS

DMTI Varied Practice Worksheets

This ppt displays the worksheets that have varied situations (context, visual, equations, and other mathematical models) for students to work on. By completing these worksheets, students increase their foundational skills in the topic, which will help them with these standards and future mathematical topics.

1. If using a journal, have students present the worksheet and complete all the problems.
2. Or print the student 'Varied Practice Worksheets' using the link below for them to work on. Then, you can return to the ppt to look at the keys to check their work.

[\[Print Varied Practice Worksheets\]](#)

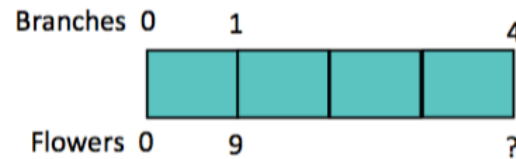
Worksheet 1.1 – Whole Number Ratios: Discrete

Context

Bar Model

Ratio Table

Each flower has 5 petals. How many petals would be on 6 flowers?




Flowers	1			?
Petals	4			28

Each branch has 8 flowers. How many branches would it take to hold 72 flowers?

Context	Bar Model	Ratio Table												
<p>Each flower has 5 petals. How many petals would be on 6 flowers?</p>		<table border="1"> <tr> <td>Flowers</td> <td>1</td> <td>2</td> <td>3</td> <td>6</td> </tr> <tr> <td>Petals</td> <td>5</td> <td>10</td> <td>15</td> <td>30</td> </tr> </table>	Flowers	1	2	3	6	Petals	5	10	15	30		
Flowers	1	2	3	6										
Petals	5	10	15	30										
<p>Each branch has 9 flowers. How many flowers would be on 4 branches?</p>		<table border="1"> <tr> <td>Branches</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> <tr> <td>Flowers</td> <td>9</td> <td>18</td> <td>27</td> <td>36</td> </tr> </table>	Branches	1	2	3	4	Flowers	9	18	27	36		
Branches	1	2	3	4										
Flowers	9	18	27	36										
<p>Each flower has 4 petals. How many flowers would it take to hold 28 petals?</p>		<table border="1"> <tr> <td>Flowers</td> <td>1</td> <td></td> <td></td> <td>?</td> </tr> <tr> <td>Petals</td> <td>4</td> <td></td> <td></td> <td>28</td> </tr> </table>	Flowers	1			?	Petals	4			28		
Flowers	1			?										
Petals	4			28										
<p>Each branch has 8 flowers. How many branches would it take to hold 72 flowers?</p>		<table border="1"> <tr> <td>Branches</td> <td>1</td> <td>2</td> <td>4</td> <td>8</td> <td>9</td> </tr> <tr> <td>Flowers</td> <td>8</td> <td>16</td> <td>32</td> <td>64</td> <td>72</td> </tr> </table>	Branches	1	2	4	8	9	Flowers	8	16	32	64	72
Branches	1	2	4	8	9									
Flowers	8	16	32	64	72									

Worksheet 1.2 – Whole Number Ratios: Discrete

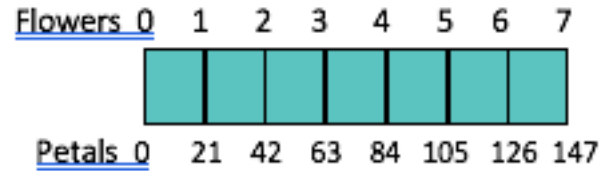
Context	Bar Model	Ratio Table												
<p>Each flower has 21 petals. How many petals would be on 7 flowers?</p>														
														
		<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 5px;">Branches</td> <td style="padding: 5px; text-align: center;">1</td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> </tr> <tr> <td style="padding: 5px;">Flowers</td> <td style="padding: 5px; text-align: center;">15</td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px; text-align: center;">75</td> </tr> </table>	Branches	1					Flowers	15				75
Branches	1													
Flowers	15				75									
<p>Each branch has 34 flowers. How many branches would it take to hold 272 flowers?</p>														

Context

Bar Model

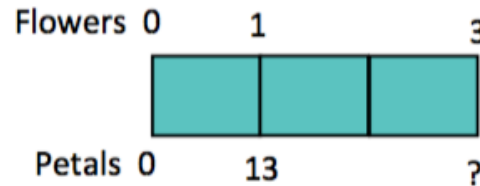
Ratio Table

Each flower has 21 petals. How many petals would be on 7 flowers?



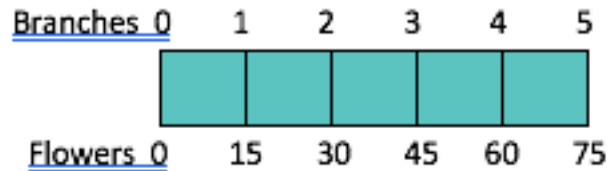
Flowers	1	2	3	6	7
Petals	21	42	63	126	147

Each flower has 13 petals. How many petals would be on 3 flowers?



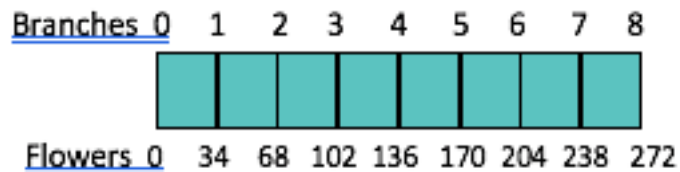
Flowers	1	2	3
Petals	13	26	39

Each branch has 15 flowers. How many branches would it take to hold 75 flowers?



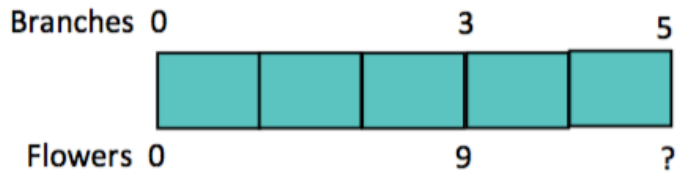
Branches	1			
Flowers	15			75

Each branch has 34 flowers. How many branches would it take to hold 272 flowers?



Branches	1	2	4	8
Flowers	34	68	136	272

Worksheet 1.3 – Whole Number Ratios: Discrete

Context	Bar Model	Ratio Table												
<p>2 flowers have 26 petals. How many petals would be on 5 flowers?</p>														
														
		<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 5px;">Flowers</td> <td style="padding: 5px; text-align: center;">5</td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> </tr> <tr> <td style="padding: 5px;">Petals</td> <td style="padding: 5px; text-align: center;">30</td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px; text-align: center;">42</td> </tr> </table>	Flowers	5					Petals	30				42
Flowers	5													
Petals	30				42									
<p>4 branches have 32 flowers. How many branches would it take to hold 72 flowers?</p>														

Context	Bar Model	Ratio Table										
<p>2 flowers have 26 petals. How many petals would be on 5 flowers?</p>		<table border="1"> <tr> <td>Flowers</td> <td>2</td> <td>4</td> <td>1</td> <td>5</td> </tr> <tr> <td>Petals</td> <td>26</td> <td>52</td> <td>13</td> <td>65</td> </tr> </table>	Flowers	2	4	1	5	Petals	26	52	13	65
Flowers	2	4	1	5								
Petals	26	52	13	65								
<p>3 branches have 9 flowers. How many flowers would be on 5 branches?</p>		<table border="1"> <tr> <td>Branches</td> <td>3</td> <td>1</td> <td>5</td> </tr> <tr> <td>Flowers</td> <td>9</td> <td>3</td> <td>15</td> </tr> </table>	Branches	3	1	5	Flowers	9	3	15		
Branches	3	1	5									
Flowers	9	3	15									
<p>5 flowers have 30 petals. How many flowers would it take to hold 42 petals?</p>		<table border="1"> <tr> <td>Flowers</td> <td>5</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Petals</td> <td>30</td> <td></td> <td></td> <td>42</td> </tr> </table>	Flowers	5				Petals	30			42
Flowers	5											
Petals	30			42								
<p>4 branches have 32 flowers. How many branches would it take to hold 72 flowers?</p>		<table border="1"> <tr> <td>Branches</td> <td>4</td> <td>2</td> <td>1</td> <td>9</td> </tr> <tr> <td>Flowers</td> <td>32</td> <td>16</td> <td>8</td> <td>72</td> </tr> </table>	Branches	4	2	1	9	Flowers	32	16	8	72
Branches	4	2	1	9								
Flowers	32	16	8	72								