

Whole Number Ratios

DMTI VARIED PRACTICE – CONTINUOUS SITUATIONS

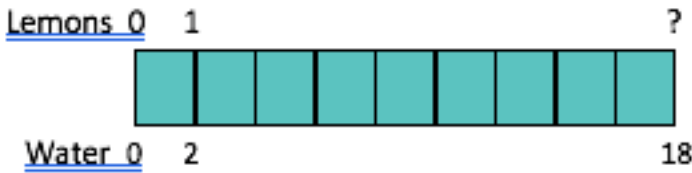
DMTI Varied Practice Worksheets

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: Continuous

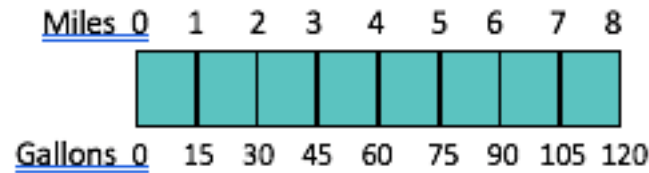
Context	Bar Model	Ratio Table												
<p>If a car can go 15 miles per gallon, how far can it go with 8 gallons?</p>														
		<table border="1"> <tr> <td>Hours</td> <td>1</td> <td></td> <td></td> <td></td> <td>?</td> </tr> <tr> <td>Miles</td> <td>35</td> <td></td> <td></td> <td></td> <td>245</td> </tr> </table>	Hours	1				?	Miles	35				245
Hours	1				?									
Miles	35				245									
														
<p>A smoothie recipe calls for 8 strawberries for every 1 banana. How many bananas do I need for 32 strawberries?</p>														

Context

Bar Model

Ratio Table

If a car can go 15 miles per gallon, how far can it go with 8 gallons?



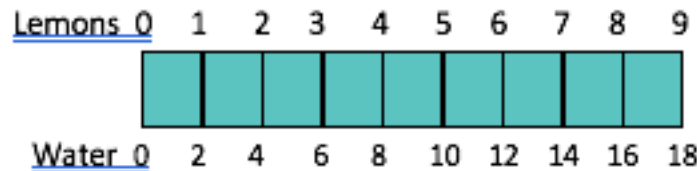
Gallons	1	2	4	8
Miles	15	30	60	120

A car is driving at 35 miles per hour. How long will it take the car to travel 245 miles?



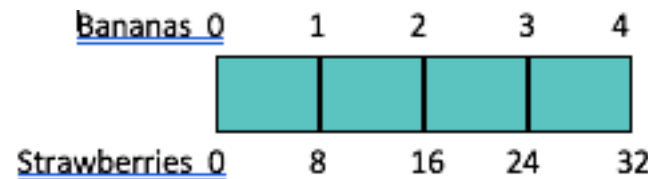
Hours	1	2	4	6	7
Miles	35	70	140	210	245

A lemonade recipe calls for 1 lemon for every 2 cups of water. How many lemons do I need for 18 cups of water?



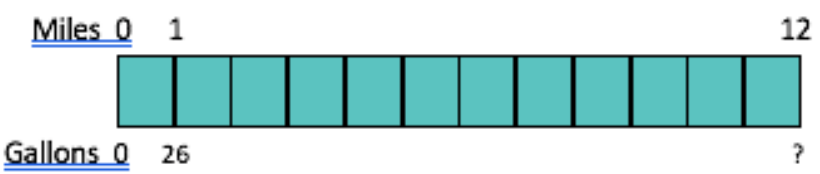
Lemons	1	10	9
Water	2	20	18

A smoothie recipe calls for 8 strawberries for every 1 banana. How many bananas do I need for 32 strawberries?



Bananas	1	2	4
S.B.	8	16	32

Worksheet 1.2 – Whole Number Ratios: Continuous

Context	Bar Model	Ratio Table												
														
<p>A car is driving at 30 miles per hour. How long will it take the car to travel 810 miles?</p>														
		<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 5px;">Lemons</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; text-align: center;">?</td> </tr> <tr> <td style="padding: 5px;">Water</td> <td style="padding: 5px; text-align: center;">4</td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px; text-align: center;">52</td> </tr> </table>	Lemons	1				?	Water	4				52
Lemons	1				?									
Water	4				52									
<p>A smoothie recipe calls for 7 strawberries for every 1 banana. I am making smoothies for a large gathering and have 224 strawberries. How many bananas do I need?</p>														

Context

Bar Model

Ratio Table

If a car can go 26 miles per gallon, how far can it go with 12 gallons?



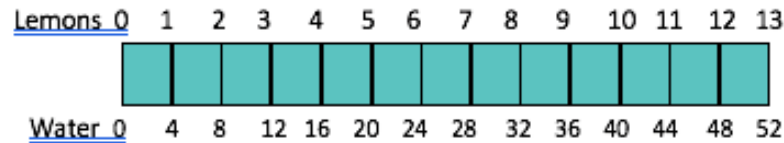
Gallons	1	2	10	12
Miles	26	52	260	312

A car is driving at 30 miles per hour. How long will it take the car to travel 810 miles?



Hours	1	10	20	25	27
Miles	30	300	600	750	810

A lemonade recipe calls for 1 lemon for every 4 cups of water. How many lemons do I need for 52 cups of water?



Lemons	1	2	3	10	13
Water	4	8	12	40	52

A smoothie recipe calls for 7 strawberries for every 1 banana. I am making smoothies for a large gathering and have 224 strawberries. How many bananas do I need?



Bananas	1	10	20	30	32
S.B.	7	70	140	210	224

Worksheet 1.3 – Whole Number Ratios: Continuous

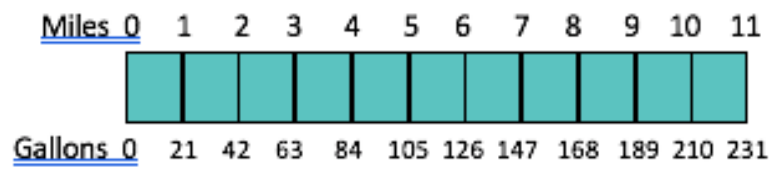
Context	Bar Model	Ratio Table												
<p>If a car can go 42 miles in 2 gallons, how far can it go with 11 gallons?</p>														
		<table border="1"> <tr> <td>Hours</td> <td>3</td> <td>1</td> <td>2</td> <td>4</td> <td>8</td> </tr> <tr> <td>Miles</td> <td>120</td> <td>40</td> <td>80</td> <td>160</td> <td>320</td> </tr> </table>	Hours	3	1	2	4	8	Miles	120	40	80	160	320
Hours	3	1	2	4	8									
Miles	120	40	80	160	320									
<p>A lemonade recipe calls for 4 lemons for every 10 cups of water. How many lemons do I need for 25 cups of water?</p>														
		<table border="1"> <tr> <td>Bananas</td> <td>4</td> <td></td> <td></td> <td>7</td> </tr> <tr> <td>S.B.</td> <td>20</td> <td></td> <td></td> <td>?</td> </tr> </table>	Bananas	4			7	S.B.	20			?		
Bananas	4			7										
S.B.	20			?										

Context

Bar Model

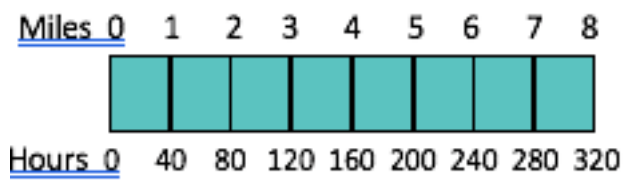
Ratio Table

If a car can go 42 miles in 2 gallons, how far can it go with 11 gallons?



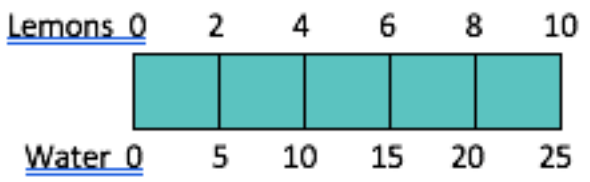
Gallons	2	1	10	11
Miles	42	21	210	231

A car drove 120 miles in 3 hours. At that rate, how long will it take the car to travel 320 miles?



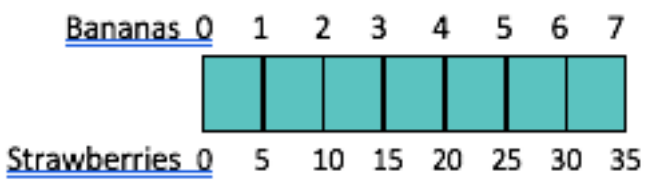
Hours	3	1	2	4	8
Miles	120	40	80	160	320

A lemonade recipe calls for 4 lemons for every 10 cups of water. How many lemons do I need for 25 cups of water?



Lemons	4	2	10
Water	10	5	25

A smoothie recipe calls for 20 strawberries for every 4 bananas. How many strawberries do I need if I have 7 bananas?



Bananas	4	2	1	7
S.B.	20	10	5	35