

Divide by 8

$$48 \div 2 = \underline{\quad}$$

$$48 \div 4 = \underline{\quad}$$

$$48 \div 8 = \underline{\quad}$$

What do you notice about the answers to these questions?

Can you predict what $48 \div 16$ would be?

Which numbers can be divided by 8 without a remainder?

64

32

800

18

200

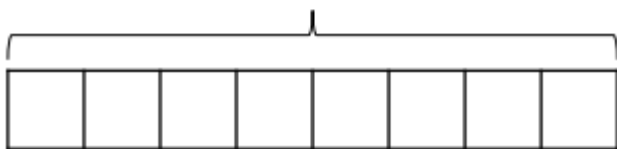
42

Amir shares 24 sweets equally between 8 friends.

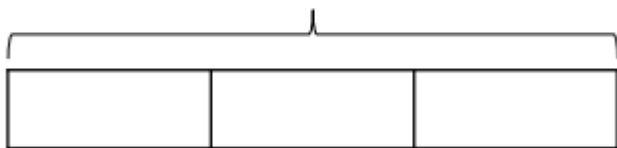
How many do they get each?

Which bar model would you use to represent this problem? Why?

24



24



Divide by 8

Reasoning and Problem Solving

$48 \div 2 = \underline{\quad}$ $48 \div 4 = \underline{\quad}$ $48 \div 8 = \underline{\quad}$ What do you notice about the answers to these questions? Can you predict what $48 \div 16$ would be?	The answers (quotients) halve and the divisors double. 3	Amir shares 24 sweets equally between 8 friends. How many do they get each? Which bar model would you use to represent this problem? Why?	Although both can represent $24 \div 8 = 3$, the first bar model fits this word problem best, because 24 has been split into 8 parts, 1 part shows 1 friend.						
Which numbers can be divided by 8 without a remainder? <table border="1"><tbody><tr><td>64</td><td>32</td><td>800</td></tr><tr><td>18</td><td>200</td><td>42</td></tr></tbody></table>	64	32	800	18	200	42	64, 32, 800, 200	<p>The first bar model shows a bar divided into 8 equal parts, with a bracket above it labeled '24'. The second bar model shows a bar divided into 3 equal parts, with a bracket above it labeled '24'.</p>	
64	32	800							
18	200	42							