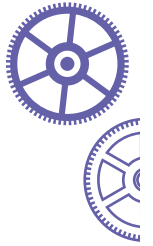


Equivalent Fractions

ACTIVITY SHEET



An equivalent fraction is a fraction that represents the same amount as another fraction. Before making a comparison, predict which fractions are the same and which are not. Then, use Evo to help you test your hypothesis. Run Evo on the outer circle of each fraction piece or group of fraction pieces and time how long it takes. Compare times. If the times are the same, the fractions are equivalent. If the times are different, the fractions are not equivalent.

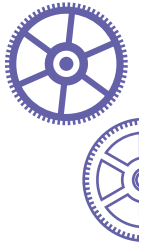
Be sure Ozobot is programmed to go cruise speed by running it on the line at the right before timing.



1.	$\frac{1}{2}$	$\frac{2}{4}$	Equivalent?	Yes	No
Time:	_____	_____			
2.	$\frac{1}{4}$	$\frac{2}{3}$	Equivalent?	Yes	No
Time:	_____	_____			
3.	$\frac{2}{6}$	$\frac{1}{3}$	Equivalent?	Yes	No
Time:	_____	_____			
4.	$\frac{1}{4}$	$\frac{2}{6}$	Equivalent?	Yes	No
Time:	_____	_____			
5.	$\frac{2}{4}$	$\frac{1}{2}$	Equivalent?	Yes	No
Time:	_____	_____			
6.	$\frac{2}{4}$	$\frac{1}{4}$	Equivalent?	Yes	No
Time:	_____	_____			
7.	$\frac{1}{3}$	$\frac{2}{4}$	Equivalent?	Yes	No
Time:	_____	_____			

Equivalent Fractions

POSSIBLE SOLUTION



An equivalent fraction is a fraction that represents the same amount as another fraction. Before making a comparison, predict which fractions are the same and which are not. Then, use Evo to help you test your hypothesis. Run Evo on the outer circle of each fraction piece or group of fraction pieces and time how long it takes. Compare times. If the times are the same, the fractions are equivalent. If the times are different, the fractions are not equivalent.

Be sure Ozobot is programmed to go cruise speed by running it on the line at the right before timing.



1.	$\frac{1}{2}$	$\frac{2}{4}$	Equivalent?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Time:	<u>20 sec.</u>	<u>20 sec.</u>			
2.	$\frac{1}{4}$	$\frac{2}{3}$	Equivalent?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Time:	<u>10 sec.</u>	<u>26 sec.</u>			
3.	$\frac{2}{6}$	$\frac{1}{3}$	Equivalent?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Time:	<u>13 sec.</u>	<u>13 sec.</u>			
4.	$\frac{1}{4}$	$\frac{2}{6}$	Equivalent?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Time:	<u>10 sec.</u>	<u>13 sec.</u>			
5.	$\frac{2}{4}$	$\frac{1}{2}$	Equivalent?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Time:	<u>20 sec.</u>	<u>20 sec.</u>			
6.	$\frac{2}{4}$	$\frac{1}{4}$	Equivalent?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Time:	<u>20 sec.</u>	<u>10 sec.</u>			
7.	$\frac{1}{3}$	$\frac{2}{4}$	Equivalent?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Time:	<u>13 sec.</u>	<u>20 sec.</u>			