

is the square of	The Relations Game		
is a multiple of	is a positive divisor of	is less than	is greater than
x2	x10	$\times \frac{2}{3}$	is at least 20 less than
÷2	÷10	$\div \frac{2}{3}$	is at least 20 greater than
+ 2 = ...	+ 3 = ...	+ 4 = ...	+ 5 = ...
- 2 = ...	- 3 = ...	- 4 = ...	- 5 = ...

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+ 2 = ...	+ 3 = ...	+ 4 = ...	+ 5 = ...
- 2 = ...	- 3 = ...	- 4 = ...	- 5 = ...

Scoring Sheet for The Relations Game

Secret Relation: _____				
Points	TEAM A	TEAM B	TEAM C	TEAM D
First part of game				
For correctly identifying the relation				
• before additional plays 15 pts.				
• after first play 10 pts.				
• after second play 9 pts.				
• after third play 8 pts.				
• after fourth play 7 pts.				
Second part of game				
For correctly locating an ordered pair				
• inside the string 2 pts.				
• outside the string 1 pt.				

Scoring Sheet for The Relations Game

Secret Relation: _____				
Points	TEAM A	TEAM B	TEAM C	TEAM D
First part of game				
For correctly identifying the relation				
• before additional plays 15 pts.				
• after first play 10 pts.				
• after second play 9 pts.				
• after third play 8 pts.				
• after fourth play 7 pts.				
Second part of game				
For correctly locating an ordered pair				
• inside the string 2 pts. (bonus for non-whole numbers 1 pt. each)				
• outside the string 1 pt.				

L11(a)

The Relations Game

Name _____

Team _____

Red Blue

is less than		
is greater than		
is at least 20 less than		
is at least 20 greater than		
is a multiple of		
is a positive divisor of		
is the square of		
x10		
÷10		
x2		
÷2		
$\times \frac{2}{3}$		
$\div \frac{2}{3}$		
$\boxed{+} \boxed{2} \boxed{=} \dots$		
$\boxed{-} \boxed{2} \boxed{=} \dots$		
$\boxed{+} \boxed{3} \boxed{=} \dots$		
$\boxed{-} \boxed{3} \boxed{=} \dots$		
$\boxed{+} \boxed{4} \boxed{=} \dots$		
$\boxed{-} \boxed{4} \boxed{=} \dots$		
$\boxed{+} \boxed{5} \boxed{=} \dots$		
$\boxed{-} \boxed{5} \boxed{=} \dots$		

The Relations Game

Name _____

Team _____

Red Blue

is less than		
is greater than		
is at least 20 less than		
is at least 20 greater than		
is a multiple of		
is a positive divisor of		
is the square of		
x10		
÷10		
x2		
÷2		
$\times \frac{2}{3}$		
$\div \frac{2}{3}$		
$\boxed{+} \boxed{2} \boxed{=} \dots$		
$\boxed{-} \boxed{2} \boxed{=} \dots$		
$\boxed{+} \boxed{3} \boxed{=} \dots$		
$\boxed{-} \boxed{3} \boxed{=} \dots$		
$\boxed{+} \boxed{4} \boxed{=} \dots$		
$\boxed{-} \boxed{4} \boxed{=} \dots$		
$\boxed{+} \boxed{5} \boxed{=} \dots$		
$\boxed{-} \boxed{5} \boxed{=} \dots$		

Scoring Sheet for The Relations Game with Two Strings

Secret Relations: Red String _____ Blue String _____

Points	TEAM A	TEAM B	TEAM C	TEAM D
First part of game For correctly identifying both relations <ul style="list-style-type: none"> • before additional plays 15 pts. • after first play 10 pts. • after second play 9 pts. • after third play 8 pts. • after fourth play 7 pts. 				
Second part of game For correctly locating an ordered pair <ul style="list-style-type: none"> • inside both strings 4 pts. • inside only one of the strings 2 pts. • outside both strings 1 pt. 				

Scoring Sheet for The Relations Game with Two Strings

Secret Relations: Red String _____ Blue String _____

Points	TEAM A	TEAM B	TEAM C	TEAM D
First part of game For correctly identifying both relations <ul style="list-style-type: none"> • before additional plays 15 pts. • after first play 10 pts. • after second play 9 pts. • after third play 8 pts. • after fourth play 7 pts. 				
Second part of game For correctly locating an ordered pair <ul style="list-style-type: none"> • inside both strings 4 pts. • inside only one of the strings 2 pts. • outside the string 1 pt. 				