SETS
LISTING AND DESCRIBING : NUMBERS

Ref: G811. **1F1**

A1 List	**A2** List	**A3** List	**A4** List
{the first six multiples of 3}	{prime numbers less than 10}	{all the factors of 12}	{even numbers between 3 and 11}
B1 Describe the set:	**B2** Describe the set:	**B3** Describe the set:	**B4** Describe the set:
{1, 2, 3, 4, 5}	{1, 3, 5, 7, 9}	{1, 2, 3, 6, 9, 18}	{11, 13, 17, 19}
C1 A = {positive integers less than 5} List set A	**C2** B = {negative integers more than 6} List set B	**C3** C = {integers between 4 and 9} List set C	**C4** D = {integers between –3 and 4} List set D
D1 M = {the first five multiples of 6} List set M	**D2** F = {all the factors of 20} List set F	**D3** P = {the first six prime numbers} List set P	**D4** S = {square numbers less than 20} List set S
E1 A = {factors of 20} B = {1, 2, 5, 10, 20} Are the sets A and B the same?	**E2** C = {first five multiples of 7} D = {7, 14, 21, 27, 35} Are the sets C and D the same?	**E3** E = {prime numbers less than 20} F = {the first nine prime numbers} Are the sets E and F the same?	**E4** G = {numbers on a dice} H = {positive integers less than 7} Are the sets G and H the same?

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Ref: G811. **1F1**

A1 List	A2 List	A3 List	A4 List
{the first six multiples of 3} { 3, 6, 9, 12, 15, 18 }	{prime numbers less than 10} { 2, 3, 5, 7 }	{all the factors of 12} { 1, 2, 3, 4, 6, 12 }	{even numbers between 3 and 11} { 4, 6, 8, 10 }
B1 Describe the set: {1, 2, 3, 4, 5} { the first five positive integers }	**B2** Describe the set: {1, 3, 5, 7, 9} { odd numbers less than 10 }	**B3** Describe the set: {1, 2, 3, 6, 9, 18} { all the factors of 18 }	**B4** Describe the set: {11, 13, 17, 19} { prime numbers between 10 and 20 }
C1 A = {positive integers less than 5} List set A { 1, 2, 3, 4 }	**C2** B = {negative integers more than –6} List set B { -5, -4, -3, -2, -1 }	**C3** C = {integers between 4 and 9} List set C { 5, 6, 7, 8 } Accept { 4, 5, 6, 7, 8, 9 }	**C4** D = {integers between –3 and 4} List set D { -2, -1, 0, 1, 2, 3 } Accept { -3, -2, -1, 0, 1, 2, 3, 4 }
D1 M = {the first five multiples of 6} List set M { 6, 12, 18, 24, 30 }	**D2** F = {all the factors of 20} List set F { 1, 2, 4, 5, 10, 20 }	**D3** P = {the first six prime numbers} List set P { 2, 3, 5, 7, 11, 13 }	**D4** S = {square numbers less than 20} List set S { 1, 4, 9, 16 }
E1 *Different* A = { 1, 2, 4, 5, 10, 20 } B = {1, 2, 5, 10, 20} Are the sets A and B the same?	**E2** *Different* C = { 7, 14, 21, 28, 35 } D = {7, 14, 21, 27, 35} Are the sets C and D the same?	**E3** *Different* E = { 2, 3, 5, 7, 11, 13, 17, 19 } F = { 2, 3, 5, 7, 11, 13, 17, 19, 23 } Are the sets E and F the same?	**E4** *Same* G = { 1, 2, 3, 4, 5, 6 } H = { 1, 2, 3, 4, 5, 6 } Are the sets G and H the same?

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