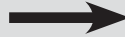In a **Number Path** puzzle, the goal is to trace the path that crosses all of the numbers in the grid from least to greatest.

EXAMPLE | Trace the path that connects the numbers in the grid below in order from least to greatest.

121	98	92	221
124	97	95	220
125	152	159	219
127	151	210	212

→

121	98	92	221
124	97	95	220
125	152	159	219
127	151	210	212

We start at the smallest number, 92...

...then connect numbers from least to greatest until the path has crossed every number.

PRACTICE | In each puzzle below, trace the path that connects the numbers in the grid in order from least to greatest.

72.

24	21	17	16
25	74	77	14
29	71	70	68
35	36	63	64

73.

97	95	89	82
98	99	78	80
35	36	77	75
33	37	73	74

PRACTICE | In each puzzle below, trace the path that connects the numbers in the grid in order from least to greatest.

74.

995	509	550	559
990	505	500	590
959	909	905	595
955	950	900	599

75.

465	534	536	543
456	453	564	546
435	436	345	346
365	364	356	354

76.

41	43	411	414	417
50	47	79	77	441
57	70	74	75	447
717	714	711	707	471
741	745	749	477	474

77.

886	885	65	62	59
868	881	68	83	56
862	655	650	88	53
858	668	561	516	518
851	686	559	553	551

78.

511	195	159	155	885
515	188	181	151	881
518	551	115	118	858
558	555	811	815	855
581	585	588	819	851

79.

468	482	486	624	628
462	428	426	648	642
284	286	288	682	684
268	246	862	864	824
264	248	846	842	826

COMPARING Multiple Numbers

> We can use < and > symbols to compare more than two numbers.

PRACTICE | Solve each problem below.

80. Use the blanks to order the following numbers from *least to greatest*.

72   27   16   108   61   18

_____ < _____ < _____ < _____ < _____ < _____

81. Use the blanks to order the following numbers from *greatest to least*.

65   506   650   560   605   56

_____ > _____ > _____ > _____ > _____ > _____

82. *How many* different whole numbers could replace the gray box below to make a true statement?

82. _____

$$10 < \boxed{} < 20$$

PRACTICE | Solve each problem below.

83. The seven numbers below use only the digits 2 and 9. Use the blanks to order these numbers from least to greatest.

29 99 222 9 22 2 92 229

_____ < _____ < _____ < _____ < _____ < _____ < _____ < _____

84. Fill each blank below with a number using only the digits 3 and 4.

33 < _____ < 43 < 44 < _____ < 334 < _____ < _____ < 433

85. ★ There are six different numbers that can be made using the digits 1, 2, and 3 exactly once each. Two of the numbers are shown below. Fill the remaining four blanks so that all numbers are in order from least to greatest.

123 < _____ < _____ < _____ < 312 < _____

86. ★ The statement below lists the smallest eight numbers that can be written using only the digits 0 and 5. Fill in the four missing numbers.

0 < 5 < 50 < _____ < _____ < _____ < _____ < 555

87. ★ The statement below lists the smallest eight numbers that can be written using only the digits 7 and 8. Fill in the four missing numbers.

7 < 8 < 77 < _____ < _____ < _____ < _____ < 778