COMPARISON

ADDING

Sometimes we can compare amounts even if we don't know what the actual numbers are.

PRACTICE | Solve each word problem below.

63. Ben and Curtis were the same height a year ago. Ben grew four inches and Curtis grew three inches. Who is taller now?

63. _____
Ben or Curtis?

64. Mita scored more points than Rita in their first game, but Mita scored the same number of points as Rita in the second game. Who scored more points all together?

64. _____
Mita or Rita?

65. Kate is five years older than Neil. Who will be older six years from now, Kate or Neil?

65. _____
Kate or Neil?

66. Layla and Tan are stacking blocks. Layla's stack has three more blocks than Tan's. If they both add fifteen more blocks to their stacks, whose stack will have more blocks?

66. _____
Layla's or Tan's?

It may help to discuss or act out these word problems with someone else.

67. Jon jogged to Erin's house. Then they jogged together to the park. Who jogged further, Jon or Erin?

67. _____
Jon or Erin?

68. Ruby says a number from 1 to 100. Lily says the next number, Ruby says the number after that, and Lily says the number after that. Which numbers add up to more, Ruby's or Lily's?

68. _____
Ruby's or Lily's?

69. ★ Apples cost more than oranges at the market. Jayden buys one apple and two oranges. Kayden buys two apples and one orange. Who pays more?

69. _____
Jayden or Kayden?

70. ★ Evan ate more pancakes than Noah on Saturday. Noah ate more pancakes than Evan on Sunday. If Noah ate the same number of pancakes both days, did the boys eat more pancakes Saturday or Sunday?

70. _____
Saturday or Sunday?

COMPARISON
SUMS

We can use <, >, and = to show how two sums relate.

Look for ways to compare sums without adding.

EXAMPLE | Place a <, >, or = in each circle below.
Try to solve both without adding.

$$27+27 \bigcirc 28+28 \qquad 8+9+10 \bigcirc 7+8+9$$

Since 27 is less than 28, the sum of two 27's is less than the sum of two 28's.

$$27+27 \enclose{circle}{<} 28+28$$

Each number on the left is one more than the number in its place on the right. So, the sum of the numbers on the left is greater.

$$8+9+10 \enclose{circle}{>} 7+8+9$$

Here's another way to think about this one. Both sums have 8+9 plus another number. Since 10 is greater than 7, we know 8+9+**10** is more than **7**+8+9.

$$\boxed{8+9}+10 \enclose{circle}{>} 7+\boxed{8+9}$$

These parts are the same, but 10>7.

PRACTICE | Place a <, >, or = in each circle below.
Try to solve each without adding.

71. $10+11 \bigcirc 10+11+12$

72. $55+10 \bigcirc 55+11$

73. $43+44 \bigcirc 43+42$

74. $18+19 \bigcirc 19+18$

PRACTICE | Place a <, >, or = in each circle below. Try to solve each without finding the final sum on both sides.

75. $7+7+7+7 \bigcirc 7+7+7+7+7$

76. $2+4+6+8 \bigcirc 10+10$

77. $23+24 \bigcirc 23+22$

78. $29+28 \bigcirc 28+29$

79. $34+34 \bigcirc 43+43$

80. $38+39 \bigcirc 41+42$

81. $25+35 \bigcirc 35+45$

82. $11+22+33 \bigcirc 10+20+30$

83. $27+28+28 \bigcirc 27+27+28$

84. $53+31 \bigcirc 32+54$

85. ★ $5+15+25+35+45+55 \bigcirc 16+26+36+46+56$