Lesson II: Division with remainders

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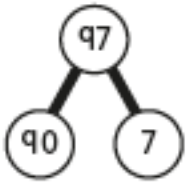
1. a) $20 \div 2 = 10$, $9 \div 2 = 4$ remainder 1,
$29 \div 2 = 14$ remainder 1

b)



$90 \div 3 = 30$, $7 \div 3 = 2$ remainder 1,
$97 \div 3 = 32$ remainder 1

2. The number in the picture has 4 tens and 5 ones. The picture shows $45 \div 2 = 22$ remainder 1.

3. a) 10 r 1
b) 11 r 4
c) 20 r 2
d) 22 r 1

4. Explanations may vary, for example:
No, Luis is not correct. He has divided the 6 tens into 3, rather than 2. Also he has a remainder of 3, which can be divided by 2. $63 \div 2 = 31$ r 1.

5. There are many possible answers; for example:
$13 \div 2 = 6$ r 1; $97 \div 2 = 48$ r 1; $25 \div 3 = 8$ r 1;
$64 \div 7 = 9$ r 1

Reflect

87 is an odd number and so is not divisible by 4, so there will be a remainder. Pictures could include a part-whole model showing 87 split into 80 and 7 (other combinations possible) or counters. $87 \div 4 = 21$ r 3