

Interpreting Remainders in Word Problems

NCTM Standards 1, 2, 6, 7, 8, 9, 10

Decide what to do when there is a remainder—ignore it or include it as a fraction or a decimal.

- 1 How many 24-foot jump ropes can be made from a rope that is 100 feet long?

Solution: _____

What should you do about the remainder?

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- 2 Nathan used lots of tennis balls when practicing his serve. At the end of practice, he gathered up 59 tennis balls and put them back into cans. If each can holds 3 tennis balls, how many cans will he fill?

Solution: _____

What should you do about the remainder?

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- 3 Altogether, the 32 students in Ms. Rosenfeld's class raised \$456 at the bake sale. The money will be divided up to pay for each student's admission and snack for a field trip. How much money is available for each student?

Solution: _____

What should you do about the remainder?

- 4 My large plastic bottle holds 196 ounces of water. How many cups of water is that? (1 cup = 8 oz)

Solution: _____

What should you do about the remainder?

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- 5 The bagel bakery advertised a "Baker's Dozen Sale": buy a dozen bagels and get an extra bagel free. The first batch they made was 20 dozen bagels. How many bags of 13 bagels will that make?

Solution: _____

What should you do about the remainder?

- 6 **Challenge** A rope is 408 ft long. If it is cut into 32 shorter pieces, what is the length of each piece? Write your answer in feet and inches.

Solution: _____

What should you do about the remainder?

