

Name _____

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Divide. Write the remainder as a fraction. Check your answer.

1. $28 \overline{)62,000}$

2. $64 \overline{)842}$

3. $53 \overline{)2,340}$

4. $723 \div 31$

5. $13,596 \div 45$

6. $7,925 \div 72$

On Your Own

Divide. Write the remainder as a fraction. Check your answer.

7. $16 \overline{)346}$

8. $34 \overline{)42,178}$

9. $77 \overline{)851}$

10. $21 \overline{)10,989}$

11. $32 \overline{)6,466}$

12. $45 \overline{)9,500}$

13. A city has 72,604 recycle bins. The city gives half of the recycle bins to its citizens. The rest of the recycle bins are divided into 23 equal groups for city parks. How many recycle bins are left over?
- _____

Divide. Write the remainder as a fraction. Check your answer.

14. $775 \div 35$

15. $820 \div 41$

16. $80,505 \div 24$

17. $1,166 \div 53$

18. $1,989 \div 15$

19. $39,276 \div 35$



MTR 5.1 Use patterns and structure.
Explain why you can use multiplication to check division.

Problem Solving · Applications

Use the list at the right to solve Problems 20–22.

20. A smoothie shop receives a delivery of 968 ounces of grape juice and 720 ounces of orange juice. How many more Royal Purple smoothies than Orange Tango smoothies can be made with the shipment of juices?
- _____

21. The shop has 1,260 ounces of cranberry juice and 650 ounces of passion fruit juice. If the juices are used to make Crazy Cranberry smoothies, which juice will run out first? How much of the other juice will be left over?
- _____

22. **MTR** In the refrigerator, there are 680 ounces of orange juice and 410 ounces of mango juice. How many Orange Tango smoothies can be made? Explain your reasoning.
- _____
- _____
- _____
- _____
- _____

23. For 23a–23b, select True or False for each statement.

23a. $1,585 \div 16$ is $99\frac{1}{16}$. True False

23b. $1,473 \div 21$ is $70\frac{7}{21}$. True False

Smoothie Main Ingredients



Orange Tango Smoothie
18 ounces orange juice
12 ounces mango juice



Royal Purple Smoothie
22 ounces grape juice
8 ounces apple juice



Crazy Cranberry Smoothie
20 ounces cranberry juice
10 ounces passion fruit juice



Show the Math

Demonstrate Your Thinking