Name _____ Date _____ Class _____

Practice B
Converting Customary Units

Convert.

1. 3 yards = _____ inches

2. _____ yards = 87 feet

3. _____ cups = 104 fluid ounces

4. 4 quarts = _____ pints

5. 4 pounds = _____ ounces

6. 80 ounces = _____ pounds

7. 5 miles = _____ yards

8. _____ gallons = 48 cups

9. _____ cups = 4 pints

10. 36 inches = _____ yards

Compare. Write <, >, or =.

11. 4 quarts ☐ 24 cups

12. 2.5 feet ☐ 32 inches

13. 8 ounces ☐ $\frac{1}{4}$ pound

14. 5 cups ☐ 40 fluid ounces

15. 56 ounces ☐ 3.5 pounds

16. 2 yards ☐ 5 feet

17. 1.5 miles ☐ 2,500 yards

18. $3\frac{1}{2}$ tons ☐ 6,000 pounds

19. Cassandra drank $8\frac{1}{2}$ cups of water during the mountain hike.
How many fluid ounces of water did she drink?

_____

20. Stan cut a wooden plank into 4 pieces. Each piece was
18 inches long. How long was the plank before Stan cut it?

_____

Holt Mathematics

Practice A
9-3 *Converting Customary Units*

Convert.

1. 1 yard = _____3_____ feet

2. 1 mile = _____1,760_____ yards

3. 1 pound = _____16_____ ounces

4. 1 ton = _____2,000_____ pounds

5. 1 pint = _____2_____ cups

6. 1 quart = _____2_____ pints

7. 1 quart = _____4_____ cups

8. 1 gallon = _____4_____ quarts

9. 24 inches = _____2_____ feet

10. _____8_____ pints = 4 quarts

11. _____8_____ quarts = 2 gallons

12. 3 pounds = _____48_____ ounces

13. 72 inches = _____2_____ yards

14. 10,000 pounds = _____5_____ tons

Compare. Write <, >, or = .

15. 28 inches $\boxed{<}$ 1 yard

16. 120 inches $\boxed{=}$ 10 feet

17. 2 pints $\boxed{=}$ 4 cups

18. 22 inches $\boxed{<}$ 2 feet

19. George's two rabbits each weigh 24 ounces. How many pounds do they weigh together?

    3 pounds

20. Loretta needs to add 2 gallons of water to her fish tank, but she only has a cup to measure the water. How many cups does she need to add?

    32 cups

19

Practice B
9-3 *Converting Customary Units*

Convert.

1. 3 yards = _____108_____ inches

2. _____29_____ yards = 87 feet

3. _____13_____ cups = 104 fluid ounces

4. 4 quarts = _____8_____ pints

5. 4 pounds = _____64_____ ounces

6. 80 ounces = _____5_____ pounds

7. 5 miles = _____8,800_____ yards

8. _____3_____ gallons = 48 cups

9. _____8_____ cups = 4 pints

10. 36 inches = _____1_____ yards

Compare. Write <, >, or =.

11. 4 quarts $\boxed{<}$ 24 cups

12. 2.5 feet $\boxed{<}$ 32 inches

13. 8 ounces $\boxed{>}$ $\frac{1}{4}$ pound

14. 5 cups $\boxed{=}$ 40 fluid ounces

15. 56 ounces $\boxed{=}$ 3.5 pounds

16. 2 yards $\boxed{>}$ 5 feet

17. 1.5 miles $\boxed{>}$ 2,500 yards

18. $3\frac{1}{2}$ tons $\boxed{>}$ 6,000 pounds

19. Cassandra drank $8\frac{1}{2}$ cups of water during the mountain hike. How many fluid ounces of water did she drink?

    68 fluid ounces

20. Stan cut a wooden plank into 4 pieces. Each piece was 18 inches long. How long was the plank before Stan cut it?

    72 inches or 6 feet long

20

Practice C
9-3 *Converting Customary Units*

Convert.

1. _____9_____ feet = 3 yards

2. $6\frac{1}{2}$ cups = 52 fluid ounces

3. $1\frac{3}{4}$ miles = _____3,080_____ yards

4. 2 gallons = _____32_____ cups

5. _____4,400_____ pounds = $2\frac{1}{5}$ tons

6. $1\frac{1}{2}$ yards = _____54_____ inches

7. 40 ounces = _____$2\frac{1}{2}$_____ pounds

8. $1\frac{2}{3}$ miles = _____8,800_____ feet

9. _____21_____ cups = $5\frac{1}{4}$ quarts

10. 1,000 pounds = _____$\frac{1}{2}$_____ ton

Compare. Write <, >, or =.

11. $4\frac{9}{10}$ pounds $\boxed{<}$ 80 ounces

12. 365 inches $\boxed{>}$ 10 yards

13. 3 miles $\boxed{=}$ 5,280 yards

14. 10 quarts $\boxed{=}$ 20 pints

15. $6\frac{2}{3}$ feet $\boxed{=}$ 80 inches

16. 4 gallons $\boxed{>}$ 30 pints

17. 11 gallons $\boxed{>}$ 40 quarts

18. $13\frac{2}{3}$ yards $\boxed{>}$ 40 feet

19. A Labrador retriever weighs 48 pounds. A huskie weighs 775 ounces. Which dog weighs more? by how many ounces?

    The huskie weighs 7 ounces more than the Labrador retriever.

20. Maria drove 176,000 yards in 2 hours. How many miles per hour did she drive on average?

    50 miles per hour

21

Reteach
9-3 *Converting Customary Units*

You can use the table below to convert customary units.

Length	Weight	Capacity
1 foot = 12 inches 1 yard = 36 inches 1 yard = 3 feet 1 mile = 5,280 feet 1 mile = 1,760 yards	1 pound = 16 ounces 1 ton = 2,000 pounds	1 cup = 8 fluid ounces 1 pint = 2 cups 1 quart = 2 pints 1 quart = 4 cups 1 gallon = 4 quarts 1 gallon = 128 fluid ounces

To figure out how many pounds are in 32 ounces, set up a proportion where the first ratio uses 16 ounces is 1 pound, and the second ratio uses a variable for the value you are trying to find.

$$\frac{16 \text{ ounces}}{1 \text{ pound}} = \frac{32 \text{ ounces}}{x \text{ pounds}}$$

Then solve the proportion.

$$\frac{16 \text{ ounces}}{1 \text{ pound}} = \frac{32 \text{ ounces}}{x \text{ pounds}}$$ First, find the cross products.
$$16x = 32$$

Think: $32 \div 16 = x$ Then, use a related math sentence to solve the equation.

$$x = 2$$

So, there are 2 pounds in 32 ounces.

Use the table above to set up a proportion. Then find each of the values.

1. the number of pounds in 80 ounces

    $$\frac{1}{16} = \frac{x}{80}$$

    5 pounds

2. the number of quarts in 6 gallons

    $$\frac{4}{1} = \frac{x}{6}$$

    24 quarts

3. the number of yards in 5 miles

    8,800 yards

4. the number of cups in 20 pints

    40 cups

22