T-MF Math Fundamentals Week 21 2/13 Fraction = Part whole Ratio part: part "proportionality" ice cream: HHI pizza: 1111 Fraction: ice cream = 6 = 3 total # of people Ratio ice cream: pizza 6:4:3:2 unit/time \$/w mi/w Ratios - Rates Nate ate 192 donots in 8 hours 192/8 24 donors donut/h

Nate committed 36 felonies over a
. A
Pate: felonies/day adays : 4 felonies day
Proportions
Donuts 192 (192)(24) Hours 8
Hours 8
1 2 16 a onuts 1
Best Sundae Sundae [12] *48 (72)(48) = 288
Neese's 12 *42 cups 12*4=288



Solve each problem.

1) On *Monday* the price for bottled water was 5 bottles for \$10.90. On *Saturday* the price was 4 bottles for \$8.56. Which day had the higher unit price?

\$ bottle Monday 10.90 \$2.18

Saturday

4 \$2,1

2) At a candy store you could get 3 giant Jollipops for \$8.94. How much would it cost to buy 6 lollipops?

\$8.94 5 517.88

At a farming supply store 7 pounds of seed cost \$185.08. If a farmer needed 3 pounds of seeds, how much would it cost him?

3(\$185.08) 3 pounds

In September a clothing store had a sale where you

In September a clothing store had a sale where you could get 7 scarves for \$30.10. In October the price was changed to 3 scarves for \$12.99. On which month did a scarf cost the most? \$30.10 = \$44.20 \$12.99

5) A store had 3 blue chairs for \$39.96 or 7 red chairs for \$93.59. Which color chair has a lower unit price?

Blue: \$39.96 . \$13.32

- Red \$93.59 = \$13
- An ice company charged \$1.40 for 5 bags of ice. If a convenience store bought 7 bags of ice, how much would it have cost them?

\$1.40 = 7 (\$1.40)(1)

- 7) At the *toy store* you could get 3 board games for \$26.79. *Online* the price for 4 board games is \$35.92. Which place has the highest price for a board game?
- **8)** At a restaurant 4 *hotdogs* cost \$9.68 and 5 *hamburgers* cost \$11.75. Which food has the lower unit price?
- **9)** A shoe store was having a back to school sale where you could buy 7 pairs of shoes for \$71.54. If a large family decided to buy 4 pairs of shoes, how much would it cost them?
- **10**) A video game store was getting rid of old games, selling them 7 for \$134.19. If they sold 5 games, how much money would they have made?

Answers

1. Monday - \$2.18

17.88

\$79.32

Oct - \$4.33

Blue - \$13.32

\$1.96

- 8
- 9. _____
- 10



Solve each problem.

1) The ratio of white chocolate to dark chocolate sold at a candy shop was 5: 4. If there were 35 bars of white chocolate sold, how many bars of dark chocolate were sold?

white: dwk white: dwk white 5: 4 35: ? dwk 4

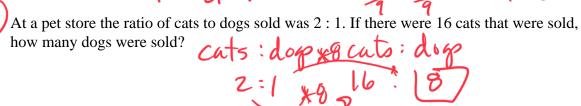
2) A produce store sold 45 red apples. If the ratio of red apples to green apples sold was 5 : 2, what is the combined amount of red and green apples sold?



green > 2 18 = gre

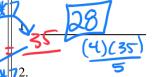
A fast food restaurant sells two sizes of fries, small and large. On Friday they sold 81 fries total. If 9 of the fries sold were small, what is the ratio of large fries sold to small fries sold?

Small: large small: large



- 5) During a class election the ratio of students who voted for candidate A compared to candidate B was 7: 4. If candidate A received 21 votes, what is the combined amount of votes candidate A and candidate B received?
- 6) A video game had 35 levels in it. If you beat 5 of the levels, what is the ratio of levels left to the levels that have been beaten?
- 7) Dave was playing checkers with a friend. The ratio of games Dave won was 7 : 2. If Dave won 35 games, how many games did his friend win?
- **8**) A chess player won 72 of the games he played. If his ratio of wins to loses was 9 : 4, how many games did he play total?
- **9**) A small school has 55 students. If 10 of the students are boys, what is the ratio of girls to boys?
- **10)** A buffet offers ranch or caesar dressing. The ratio of ranch dressing used to caesar dressing used is 7:1. If the buffet uses 28 cases of ranch dressing, how many cases of caesar do they use?





3. 45+18=63

- 4. 8:1
- 5. 8
- 6.
- 7. _____
- 8.
- 9. _____
- 10. _____

Reduce each ratio to its lowest form.

- **Ex**) 72:56 9:7
- 1) 16:56 2:7
- 2) $\frac{21:56}{7}$ $\boxed{3:8}$ 3:8
- Ex. 9:7

Answers

- **3**) 10:30 _____
- **4**) 63:90 _____
- 5) 20:5
- 2. _____
- 4. _____

- **6**) 72:9 _____
- 7) 20:45 _____
- **8**) 15:50 _____
- 4

- **9**) 28:49 _____
- **10**) 10 : 20 _____
- **11**) 2:20 _____
- 3. _____
- 9. _____
- 0.

12) 10:50 _____

15) 14 : 21 _____

18) 50 : 40 _____

13) 36:4 _____

16) 6:15 _____

19) 63:45 _____

14) 70:30 _____

17) 20 : 15

20) 30 : 54 _____

- 11. _____
- 12. _____
- 13. _____
- 14. _____
- 5. _____
- 16. _____
- 17.
- 18. _____
- 19. _____