

Name _____

Dividing a Whole Number by a Decimal

Find each quotient. Show your work.

1. $0.7 \overline{)840}$ _____

2. $0.3 \overline{)1,230}$ _____

3. $0.05 \overline{)281}$ _____

4. $0.7 \overline{)287}$ _____

5. $0.6 \overline{)135}$ _____

6. $0.08 \overline{)280}$ _____

7. $4,530 \div 0.06$ _____

8. $315 \div 0.9$ _____

9. $516 \div 0.03$ _____

10. $827 \div 0.2$ _____

11. $45 \div 0.15$ _____

12. $1,233 \div 0.09$ _____

13. A 21-pound turkey was cooked for a small banquet. The caterer figures he will discard 5 pounds of bones and that each person will eat 0.8 pounds of the remaining turkey. How many people will the turkey serve?

14. During a regular half-hour TV show, there are 8 minutes of commercials. If each commercial is 0.25 minutes long, how many commercials will be shown during that show?

15. A machine in a deli cooks chickens by rotating them past a heat source. One rotation takes 1.75 minutes, and it takes 35 minutes to fully cook a chicken. How many rotations does it take to cook the chicken?

A 8

B 14

C 18

D 20

16. One pound of horsehair is divided into “pulls” to make horsehair belts. One “pull” weighs about 0.011 ounces. How many “pulls” could be made from 6 pounds of horsehair?

17. When you divide a whole number by a decimal less than 1, the quotient is greater than the whole number. Why?
