* Due Tuesday! *

Long Division

1 Digit Into 3 Digit Numbers - With Remainders

Name: _____ Date: _____

(1) 7) 6 6 0

x | 9 | 4 r 2

-6 3 ↓

8 0

- 2 8

2

D ÷
M x
S −
B ↓ one at a time
C ✓

To check: ✓

63 • 94 (quotient)
× 7 (divisor)
658
+ 2 (remainder)
660 ✓ (Dividend)

(2) 6) 3 4 6

(3) 9) 6 5 2

(4) 4) 3 3 4

(5) 2) 1 3 9

(6) 3) 2 2 9

(7) 5) 4 1 6

(8) 8) 2 4 9

(9) 6) 3 7 4

Division Practice!! * Due Thursday!

For questions 1–3, will the first digit of the quotient be in the hundreds place, tens place, or ones place?

1. $2\overline{)428}$ _____

2. $5\overline{)275}$ _____

3. $3\overline{)285}$ _____

HINT Are there enough hundreds?

Fill in the numbers in the boxes to complete the division.

4.
$$\begin{array}{r} 1\square 5 \\ 4\overline{)620} \\ -\ 4 \\ \hline \square 2 \\ -\ 20 \\ \hline \quad \square 0 \\ -\ \square\square \\ \hline \quad 0 \end{array}$$

5.
$$\begin{array}{r} \square 2\,\square\square \\ 6\overline{)7242} \\ -\ \square \\ \hline \quad \square 2 \\ -\ \square\square \\ \hline \quad\ \square 42 \\ -\ \quad \square\square \\ \hline \quad\quad 0 \end{array}$$

6.
$$\begin{array}{r} \square\square\square\ \text{R}\ \square \\ 7\overline{)3278} \\ -\ \square\square \\ \hline \quad \square\square \\ -\ \square\square \\ \hline \quad\ \square\square \\ -\ \square\square \\ \hline \quad\quad \square \end{array}$$

REMEMBER Divide, multiply, and subtract in each step.

Divide. Check your answers for 2 problems.

7. $3\overline{)738}$

8. $8\overline{)992}$

9. $5\overline{)895}$

10. $3\overline{)6273}$

11. $5\overline{)5854}$

12. $4\overline{)8202}$

Division Practice

* Due Thursday

Complete each sentence.

13. $124 \times 8 = 992$ is the opposite of $992 \div$ _____ = _____.

14. $418 \times 2 = 836$ is the opposite of _____ ÷ _____ = _____.

Use the diagram to complete the sentence.

15.

60 ÷ _____ = _____

16.

_____ ÷ _____ = _____

Choose the best answer.

17. Which is the same as $218 \div 5 = 43 + 3$?

A. $43 \times 3 + 5 = 218$

B. $43 \times 5 + 3 = 218$

C. $43 \times 5 = 218$

D. $43 \times 3 = 218$

18. Which is the same as $35 \times 3 + 2 = 107$?

A. $107 \div 3 = 35$

B. $107 \div 2 = 35$

C. $107 \div 3 = 35 + 2$ left over

D. $107 \div 2 = 35 + 2$ left over

Solve.

19. There are 1,536 dancers at the audition. The dancers will be in groups of 6 in the first round. How many groups of dancers will there be?

_____

20. A total of 2,268 gallons of gas were used to fill up motorcycles. Each motorcycle holds 7 gallons of gas. How many motorcycles were filled?

_____

SHOW YOUR WORK!! *Due Fri.*

Basic Multiplication Word Problems

One- and Two-Digit Factors - With Extra Information

(1) Shelby filled up 5 photo albums with pictures of her friends and family. Each photo album held 32 pictures. How many pictures did she put in all of the albums combined?

Answer: _____ pictures

(2) There are 8 different colors of gumballs in the gumball machine. There are 24 gumballs of each color. How many gumballs are there in the machine?

Answer: _____ gumballs

(3) Caroline's coffee shop brewed 92 liters of coffee every day for a week. The shop is open for 16 hours every day. How many liters of coffee did they brew for the whole week? 7 days!

What information do you NOT need? Cross it out.

Answer: _____ liters of coffee

(4) Vanessa can walk her dog one kilometer in 12 minutes. Her dog weighs 13 kilograms. How long would it take her to walk her dog 6 kilometers? What information do you NOT need? Cross it out.

Answer: _____ minutes

(5) The Washington Expressway has 37 speed limit signs. The signs are posted every 5 miles. The speed limit is 100 kilometers per hour. How long is the expressway? What information do you NOT need? Cross it out.

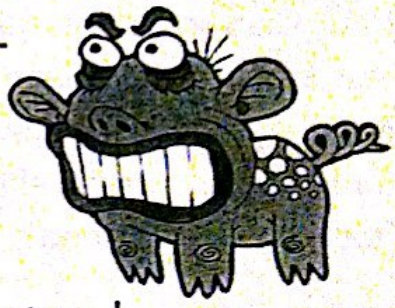
Answer: _____ miles

(6) Katelyn wants to mail out 39 copies of a letter on special paper. Her letter is 6 pages long. How many sheets of the special paper does she need?

Answer: _____ sheets

Name: _____ *Due Friday!*

Prime and Composite



Factors are the numbers you multiply to get another number.

Prime numbers are the numbers that have only two factors.
What are the factors of 3? 1 and 3
Because 3 has only two factors, it is a prime number.

Composite numbers are the numbers that have more than two factors.
What are the factors of 6? 1, 2, 3, and 6
Because 6 has more than two factors, it is a composite number.

a. List all of the factors for the number **8.** _____

Is **8** a prime or composite number? _____

b. List all of the factors for the number **20.** _____

Is **20** a prime or composite number? _____

c. List all of the factors for the number **19.** _____

Is **19** a prime or composite number? _____

d. List all of the factors for the number **37.** _____

Is **37** a prime or composite number? _____

e. List all of the factors for the number **9.** _____

Is **9** a prime or composite number? _____

f. List all of the factors for the number **13.** _____

Is **13** a prime or composite number? _____