

* Homework for Thursday Night 8-31-17

Name: _____

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Date: _____

Period: _____

Study Guide for Multiplication, Long Division, and Divisibility Rules Test

** Use your math notebook to help you study!*

Define the following terms:

1) product: _____

2) divisor: _____

3) dividend: _____

4) quotient: _____

Solve the following multiplication problems.

5.
$$\begin{array}{r} 233 \\ \times 6 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 821 \\ \times 4 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 572 \\ \times 5 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 902 \\ \times 1 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 572 \\ \times 36 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 368 \\ \times 20 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 441 \\ \times 91 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 682 \\ \times 47 \\ \hline \end{array}$$

Use the standard algorithm to find each quotient.

13. $7 \overline{)378}$

14. $8 \overline{)2632}$

15. $4 \overline{)3884}$

16. $6 \overline{)912}$

over \longrightarrow

17. $16 \overline{)448}$

18. $35 \overline{)630}$

19. $12 \overline{)6564}$

20. $31 \overline{)8525}$

Solve the following word problems. Show all your work and circle your answer.
(Remember to put a label on your answer!)

21. A cargo ship has 15 compartments in the hull. If each compartment can hold 925 King Crabs, how many total crabs can the cargo ship hold?

22. Amy bought 426 bottles of water when they were on sale. If she drank 3 bottles a day, how many days would they last?

Use the divisibility rules to circle each divisor for the bolded numbers.

23) **3,264**

- 2 3 5 6 9 10

24) **1,404**

- 2 3 5 6 9 10

25) **14,580**

- 2 3 5 6 9 10

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