

MATH BENCHMARK 2 STUDY GUIDE ANSWER KEY

Name \_\_\_\_\_

Date \_\_\_\_\_

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Math Benchmark 2 STUDY GUIDE

1. Shaquille bought 16 bottles of soda. Each bottle has 1.84 quarts of soda in it. How many quarts of juice did Shaquille buy?

29.44

1.84  
x 16  
-----  
1104

2. Miguel needs to divide 162.80 liters of juice into glass pitchers. If each pitcher will hold 4.4 liters of juice, how many glass pitchers will be needed?

37.0

162.80  
- 4.4  
-----  
308

44  
x 37  
-----  
1308

162.80  
+ 1840  
-----  
2944

3. Kimberly's bag of marbles weighs 2.12 pounds. Jeremy's bag of marbles weighs 2.4 times as much as Kimberly's bag of marbles. How much does Jeremy's bag of marbles weigh?

5.088 lbs

2.12  
x 2.4  
-----  
848  
+ 4240  
-----  
5088

4. Ms. Clements has 9.2 feet of rope. She has to cut pieces of rope that are 1.5 feet long. How many pieces of rope can he cut?

6 pieces of rope

9.2  
- 1.5  
-----  
7.7  
- 1.5  
-----  
6.2  
- 1.5  
-----  
4.7  
- 1.5  
-----  
3.2  
- 1.5  
-----  
1.7  
- 1.5  
-----  
.2

5. If you increased the number 5.183 by 2 places, what would the number be?

518.3

6. What happens to the decimal point when you multiply  $32.78 \times 10^2$ ?

It moves 2 places to the right.

7. What happens to the decimal point when you solve the problem  $89.6 \div 10^2$ ?

It moves 2 places to the left.

8. Pasqual solved the problem  $925.3 \div 10^2 = 9.253$ . What do you notice about what happened to the place value? The decimal moves 2 places to the left and the value is 100 times smaller.

9. Teresa fed her chicks 5.23 grams of Chicky Crumbles in the morning. After school, Teresa fed her chicks 4.893 grams of Chicky Crumbles. How many grams of Chicky Crumbles did Teresa feed to her chicks?

10.123 grams

5.230  
+ 4.893  
-----  
10.123

10. Katie is driving to Atlanta which is 256.45 miles away. She drove 165.56 miles to Macon. How much farther does Katie need to drive to get to Atlanta?

90.89 mi

256.45  
- 165.56  
-----  
90.89

11. Valerie bought 25.5 pounds of sugar to make lemonade at the fair. She only used 18.75 pounds of the sugar. How many pounds of sugar does Valerie have left?

25.50  
- 18.75  
-----  
6.75

12. There are 389 students that want to go to Atlanta. Each bus can hold 54 students. How many buses will be completely filled? How many will be on the other bus?

7 busses will be completely filled. 11 will be on the other bus.

54 | 389  
- 378  
-----  
11

54  
x 7  
-----  
378



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13. Thomas County Schools has 5,895 students. Only 29 students are allowed in a classroom. How many classrooms are needed?

$203 + 1 = 204$  classrooms

14. Emily likes to make lanyards. She can make 57 in a week. How many lanyards can Emily make in 367 weeks?

$20,919$

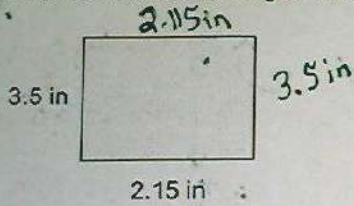
$$\begin{array}{r}
 367 \\
 \times 57 \\
 \hline
 2569 \\
 +18350 \\
 \hline
 20919
 \end{array}$$

15. Kendra bought 3.86 pounds of dried peaches and 1.1 pounds of dried cherries. About how many more pounds of dried peaches did Kendra buy?

About 3 lbs

$$\begin{array}{r}
 3.86 \\
 - 1.10 \\
 \hline
 2.76
 \end{array}$$

16. Jamie drew the rectangle. What is the perimeter?



$$\begin{array}{r}
 3.50 \\
 + 2.15 \\
 \hline
 5.65 \\
 \times 2 \\
 \hline
 11.30
 \end{array}$$

#13

$$\begin{array}{r}
 \times 0203 \\
 29 \overline{) 5895} \text{ (students)} \\
 \underline{-58} \phantom{0} \\
 09 \phantom{0} \\
 \underline{-0} \phantom{0} \\
 895 \\
 \underline{-87} \\
 8 \text{ student}
 \end{array}$$

$$\begin{array}{r}
 29 \\
 \times 2 \\
 \hline
 58
 \end{array}
 \qquad
 \begin{array}{r}
 29 \\
 \times 3 \\
 \hline
 87
 \end{array}$$