

Name: Key #: _____

Topic 2/3 Test Review

Your test will be 26 multiple choice questions. It will cover rounding, estimation, addition and subtraction of whole numbers and decimals, and multi-step word problems.

1. Sophia's house has 1,245 square feet downstairs and 525 square feet upstairs. Which of the following is the best estimate of the total square footage in the home?
 - a. 1,300 square feet
 - b. 1,700 square feet
 - c. 1,900 square feet
 - d. 2,000 square feet

2. On average, residents of Ireland have 42 days of vacation during each year while residents of Switzerland have 37 days of vacation each year. Which shows a way to find $42-37$ using mental math?
 - a. $45-40$
 - b. $42-40$
 - c. $42-37+3$
 - d. $42-2+3$

3. Thatcher cut a wire that was 45.63 meters long into 3 pieces. The first piece of wire was 12.3 meters long, and the second piece was 28.96 meters long. How long was the third piece of wire?

4.37 m

4. Will used yellow, blue, and green pieces of glass to make a mirror. He used 72 yellow pieces of glass, 35 more green pieces of glass than blue pieces, and 15 more blue pieces than yellow pieces of glass. What is the number of green pieces of glass Will used?

$$Y = 72$$

$$G = 35 + B$$

$$B = 15 + 72 = 87$$

122

5. To add $98 + 13$ using mental math, Gigi did the following. What is the missing number that makes the statement true?

$$98 + 13 =$$

$$98 + (2 + 11) = (98 + \underline{\quad}) + 11$$

- a. 13
b. 11
c. 2
d. 100
6. A company invited 8223 guests to dinner, and 532 of them have replied that they will be able to attend. Which shows the best way to estimate how many will not be able to attend?

- a. $900 - 500 = 400$
b. $800 - 500 = 300$
c. $900 - 600 = 300$
d. $800 - 600 = 200$

7. The dance club sold 768 tickets to Friday's show and 922 tickets to Saturday's show. About how many tickets did the club sell together?

~~1700~~ About 1700

8. Maddy needs 38 party hats for a party. She has made 12 party hats so far. How many more party hats does Maddy need to make? Write an equation that could be used to solve the problem.

$$y = 38 - 12 \quad 26 \text{ more hats}$$

9. Wendy bought a computer for \$1,980.65. She also bought some software that cost \$345.69. How much did she spend on the computer and the software?

\$2,326.34

10. Daniel saved \$70.00 in May, \$55.00 in June, and \$50.00 in July. He spent \$29.00 on DVDs and \$50 on gas. How much money did he have left from his three months of saving?

\$ 96

11. Erke's batting average last year was .321 and Ethan's was .238. How much higher was Erke's batting average than Ethan's?

- a. 0.093
- b. 0.083
- c. 0.073
- d. 0.063

12. The Reed family spend \$15 on lunch and \$7 on dessert. Which is a way to find how much change they would get from \$30.

- a. Add 30 to the difference of 15 and 7
- b. Add 7 to the difference of 30 and 15
- c. Subtract the sum of 15 and 7 from 30
- d. Subtract 15 from the sum of 7 and 30

13. On average, it takes Ava 20 minutes to get to school each day. Henry travels 10.7 minutes to get to school. Which of the following can be used to find how many more minutes Ava travels to school each day than Henry?

- a. $20 - 10.7 = 9.3$
- b. $20 + 10.7 = 30.7$
- c. $10.7 - 20 = 9.3$
- d. $20 + 10.7 - 20 = 10.7$

14. Edward is downloading two files onto his computer. One file is 6.43 MB in size and the other is 3.8 MB. How many MG's are both files combined?

10.23 MB

15. $16.94 - 5.221$

11.719

16. $103,457 + 80,769$

184,226

17. $325.65 + 33.45$

359.1

18. $88.33 - 34.348$

53.982

19. $114,200 - 1,664.269$

112,535.731

20. $15,859.247 + 256.45$

16,115.697

For numbers 21- 25, Round the numbers to the place value in the parenthesis

21. 1052.693 (tenths)

1052.7

22. $258,521.927$ (thousands)

259,000

23. $98,528.253$ (hundredths)

98,528.25

24. 25.369 (tens)

~~25.369~~ 30.00

25. 96.258 (ones)

96.00