Name: Date:

7.NS EOG Review Block:

You must show all work for each problem. This EOG review is CALCULATOR INACTIVE. All computations must be shown to receive any credit, that includes long division. If there is not enough room, attach a separate sheet of paper to this assignment.

1. Mr. Grant deposited two checks, valued at $27.45 and $122.90, into his checking account last week. Then, he wrote three checks for $14.99, $32.49, and $43.85 out of this account to pay his monthly bills. What is the total change of Mr. Grant’s checking account after all checks are processed?

a. 241.68 b. 59.02

c. -59.02 d. -241.68

2. What is the value of $-2.54-6.18+4.25$?

a. -12.97 b. -4.47

c. 0.61 d. 7.89

3. In a bucket, Brandon mixed $\frac{1}{8}$ of a gallon of white paint with $\frac{2}{3}$ a gallon of green paint. How much paint did he have in the bucket?

a. $\frac{1}{12}$ gallon b. $\frac{2}{12}$ gallon

c. $\frac{17}{24}$ gallon d. $\frac{19}{24}$ gallon

4. Sheldon practice the piano $\frac{2}{3}$ of an hour on Monday, $\frac{1}{6}$ of an hour on Tuesday, and $\frac{3}{4}$ of an hour on Thursday. How many hours did Sheldon practice piano?

a. $1\frac{1}{2}$ hours b. $1\frac{7}{12}$ hours

c. $1\frac{3}{4}$ hours

5. What is the value of the expression below?

$$-12+\left(-3\right)-\left(-4\right)$$

a. -19 b. -13

c. -11

6. What is the value of the expression $-6\frac{3}{4}÷-1\frac{3}{12}$?

a. $-8\frac{7}{16}$ b. $-5\frac{2}{5}$

c. $5\frac{2}{5}$ d. $8\frac{7}{16}$

7. A hardware store sells chains that are $14\frac{3}{10}$ inches in length. Each link of the chain is $1\frac{3}{10}$ inches long. How many links are in the chain?

a. 5 pieces b. 11 pieces

c. 14 pieces d. 20 pieces

8. A carpenter wants to cut a 24-foot piece of wood into sections measuring $3\frac{1}{8}$ feet. How many complete sections can be cut?

a. 9 b. 8

c. 7 d. 6

9. What is the value of $-\frac{2}{5}∙\frac{10}{14}$?

a. $-\frac{2}{7}$ b. $-\frac{14}{25}$

c. $\frac{12}{19}$ d. $\frac{1}{14}$

10. John has $8\frac{1}{4}$ gallons of gas in his truck. John can drive his truck $16\frac{1}{2}$ miles on each gallon of gas. About how many miles can John drive his truck?

a. 135 b. 130

c. 125

11. What is the decimal equivalent for the number $-\frac{5}{8}?$

a. -1.6 b. -0.625

c. -0.16 d. -0.125

12. What is $\frac{1}{6}$ written in decimal form?

a. $0.\overbar{1}$ b. $0.1\overbar{6}$

c. $0.\overbar{16}$ d. $0.\overbar{166}$

13. Which fraction is equivalent to 1.5?

a. $1\frac{1}{2}$ b. $1\frac{1}{5}$

c. $\frac{15}{100}$

14. Which decimal is equivalent to $\frac{257}{4}$?

a. 64.30 b. 64.25

c. 64.20 d. 64.03

15. Which decimal is equivalent to $\frac{7}{18}$?

a. 2.571 b. 2.562

c. $0.\overbar{4}$ d. $0.3\overbar{8}$

16. What is the value of the following expression?

$$\frac{2}{5}-0.5\left(\frac{6}{5}\right)$$

a. $-\frac{1}{5}$ b. $-\frac{4}{5}$

c. $-\frac{9}{25}$ d. $-\frac{6}{50}$

17. Samantha needs to purchase 7 notebooks at $2.99 each and 5 pencils at $0.79 each. About how much will Samantha spend before sales tax?

a. $20.00 b. $21.00

c. $25.00 d. $28.00

18. Susan gave $\frac{1}{3}$ of a pizza to her brother. She gave $\frac{1}{2}$ of what was left to her mother. Susan ate the rest herself. What fraction of the pizza did Susan eat?

a. $\frac{1}{6}$ b. $\frac{1}{4}$

c. $\frac{1}{3}$ d. $\frac{3}{5}$

19. What is the value of $2x-3y$, if x = 2 and y = -1?

a. 7 b. 1

c. -1 d. 4

20. A chef prepared sandwiches that are 3 feet long. How many $4\frac{1}{2}$ in sandwiches can be cut out of these three sandwiches?

a. 8 b. 9

c. 16 d. 24