

# 5th Grade Winter Break Math Review



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Teacher: \_\_\_\_\_

Name: \_\_\_\_\_

### 5<sup>th</sup> Grade Mixed Review

1. An expression is shown.

$$\frac{2}{3} + \frac{1}{4}$$

Which expression is equivalent to this fraction?

- a.  $\frac{2}{12}$
- b.  $\frac{3}{12}$
- c.  $\frac{11}{12}$
- d.  $\frac{10}{12}$

2. Mackenzie spent a total of \$19.50 on Saturday afternoon. She bought a movie ticket for \$8.25 and snacks for \$5.95. She spent the rest of the money on bus fare to get to the movie and back home. How much was the bus fare each way if each trip cost the same amount? The dollar sign has already been put in the answer.

\$ \_\_\_\_\_

3. Which decimal would make the statement below true? \_\_\_\_\_ is 2.6 when rounded to the nearest tenth and 2.62 when rounded to the nearest hundredth.

- a) 2.624
- b) 2.585
- c) 2.628
- d) 2.643

4. What number is equal to  $5 \times 100 + 6 \times \left(\frac{1}{10}\right) + 3 \times \left(\frac{1}{1,000}\right)$ ?

- a) 563
- b) 500.603
- c) 50.63
- d) 5.063

5. Multiply  $736 \times 4$ . \_\_\_\_\_

6. Select all the numbers that round to 8.5 when rounded to the nearest tenth.

8.493

8.57

8.428

8.506

8.539

8.48

7. Choose the decimals that would make the equation below true.  $\underline{\quad\quad\quad} + \underline{\quad\quad\quad} = 4.64$

2.29

2.21

2.19

2.35

2.47

2.25

8. What is 16,000 written as a whole number multiplied by a power of ten?

a)  $16 \times 10^2$

b)  $16 \times 10^4$

c)  $16 \times 10^3$

d)  $16 \times 10^5$

9. What is the value of the expression below?  $80 \times \left(\frac{1}{10}\right)$  \_\_\_\_\_

10. What is "six and seventy-two thousandths" in decimal form? \_\_\_\_\_

11. Name the place value to which the number below was rounded. 4.593 to 4.6 \_\_\_\_\_

12. Molly has a weekend job picking apples. She picked 1,049 apples last weekend and put them in bags that hold 12 apples each. How many bags containing exactly 12 apples each did Molly fill?

13. The 5th grade field trip costs \$36 per student. How much would it cost for 104 students to go on the trip? \_\_\_\_\_

14. An equation is shown.

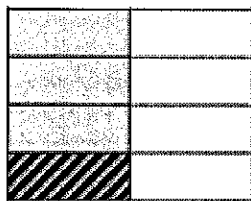
$$14 \times 10^* = 1,400$$

What exponent will take the place of the \* to make the equation true? \_\_\_\_\_

15. What is the value of  $2.38 - 0.5$ ? \_\_\_\_\_

16. A candy factory produces 1,875 boxes of candy every day. How many boxes of candy does the factory produce in 15 days? \_\_\_\_\_

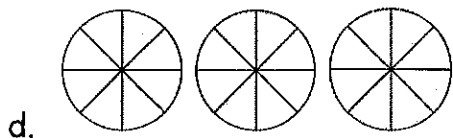
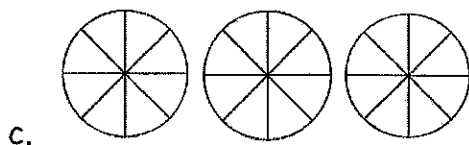
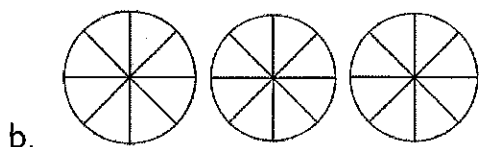
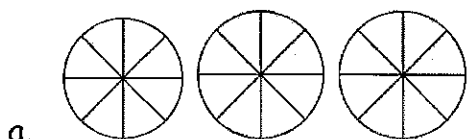
17. Ms. Collinsworth breaded  $\frac{1}{2}$  of the fish she cooked for dinner. She ate  $\frac{1}{4}$  of the fish. She used the model to find how much fish she had eaten.



How much of the fish had Ms. Collinsworth eaten?

\_\_\_\_\_

18. Ms. Mulcahy was throwing away the pizza from the Kids Night in. There were only three boxes that had left over pizza. Each box had  $\frac{3}{8}$  of a pizza left. If the shaded parts represent leftover pizza, which fraction model shows how much pizza is left?



19. An equation is shown.  $708 \div 10^? = 7.08$

What is the value of the missing exponent? \_\_\_\_\_

20. An equation is shown.

$$\frac{7}{10} - \frac{\quad}{5} = \frac{3}{10}$$

What is the missing numerator?

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21. Three students made recycled wood sculptures for their Earth Day art project.

The table below shows the height of each sculpture.

Earth Day Art Projects	
Sculpture	Height (in Feet)
1	$3\frac{3}{4}$
2	$4\frac{2}{3}$
3	$1\frac{11}{12}$

How much longer is Sculpture 1 than Sculpture 3?

- a.  $2\frac{2}{12}$
- b.  $1\frac{10}{12}$
- c.  $1\frac{1}{12}$
- d.  $\frac{10}{12}$

22. Here are clues to a number riddle:

The value of the 4 is 10 times the value of the 5 in 1.34. The value of the 2 is  $\frac{1}{10}$  of the value of the 4 in 26.8. The value of the 6 is 10 times the value of the 8 in 4.726. What is the number? \_\_\_\_\_