

INSPIRED TOTS EARLY LEARNING CENTER
SECOND TERM EXAMINATION 2023/2024 SESSION

Name _____ Class: 5th Grade Date: _____
 Subject: **ARITHMETIC**

Instruction: **Fill the blanks with the number that makes the fractions equivalent.**

1. $\frac{4}{7} = \frac{\square}{28}$ 2) $\frac{3}{5} = \frac{\square}{30}$ 3) $\frac{\square}{8} = \frac{56}{64}$

1. Mark under the values that are equal to $\frac{1}{2}$.

$\frac{5}{10}$ 50% 0.05 0.10 0.50 $\frac{10}{50}$ 20% $\frac{0.5}{1}$
☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

2.
$$\begin{array}{r} 23\frac{2}{15} \\ 16\frac{1}{15} \\ + 52\frac{8}{15} \\ \hline \end{array}$$

6.
$$\begin{array}{r} 3,246\frac{1}{5} \\ 719\frac{2}{5} \\ + 5,899\frac{1}{5} \\ \hline \end{array}$$

7.
$$\begin{array}{r} 423\frac{3}{17} \\ 784\frac{5}{17} \\ + 95\frac{6}{17} \\ \hline \end{array}$$

8.
$$\begin{array}{r} 101\frac{1}{6} \\ - 76\frac{3}{8} \\ \hline \end{array}$$

9.
$$\begin{array}{r} 501\frac{3}{8} \\ - 217\frac{7}{8} \\ \hline \end{array}$$

10.
$$\begin{array}{r} 64\frac{1}{3} \\ - 18\frac{4}{5} \\ \hline \end{array}$$

11.
$$\begin{array}{r} 1 \\ - \frac{7}{8} \\ \hline \end{array}$$

Instruction: **Convert these Celsius temperatures to Fahrenheit. Use the formula**
 $F = \frac{9}{5}C + 32$.

12. $25^{\circ}\text{C} = \underline{\hspace{2cm}}^{\circ}\text{F}$ 13. $50^{\circ}\text{C} = \underline{\hspace{2cm}}^{\circ}\text{F}$ 14. $100^{\circ}\text{C} = \underline{\hspace{2cm}}^{\circ}\text{F}$

Instruction: **Convert these Fahrenheit temperatures to Celsius. Use the formula**
 $C = \frac{5}{9}(F - 32)$.

15. $59^{\circ}\text{F} = \underline{\hspace{2cm}}^{\circ}\text{C}$ 16. $212^{\circ}\text{F} = \underline{\hspace{2cm}}^{\circ}\text{C}$ 17. $104^{\circ}\text{F} = \underline{\hspace{2cm}}^{\circ}\text{C}$

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Instruction: Use the formula $P = (2 \times l) + (2 \times w)$ to find the perimeter of these rectangles.

18. $l = 5ft.; w = 4ft.$

19. $l = 7\frac{1}{2}ft.; w = 4ft.$

Instruction: use the rule for probability to find each answer.

20. A bag of beads has 5 blue beads and 7 red beads. What is the probability that a red bead will be chosen from the bag? _____

How many beads are in the bag? _____

21. A classroom has 15 girls and 15 boys. The names of the students are put in a hat. What is the probability that a boy's name will be chosen? (Reduce the answer to lowest terms.)

22. The Alaskan Highway extends 1,422 miles. How long would it take to drive it going 45 miles per hour? _____

23. The cost for 407 students to enter the zoo is \$ 2,442. What is the cost per ticket?

24. Lucia left for an extended trip on May 21 and returned on September 5. How many days was she away from home? _____

Instruction: mark the correct answer.

25. this gives the best estimate of $702 - 199$.

☐ $700 - 190$

☐ $710 - 200$

☐ $700 - 200$

☐ $700 - 100$

26. This estimate how many 12s there are in 468.

☐ $400 \div 10$

☐ $500 \div 10$

☐ $400 \div 20$

☐ $500 \div 20$

27. This gives the best estimate of the cost of 199 candy bars at \$0.75 each.

☐ $\frac{3}{4} \times 200$

☐ $\frac{3}{10} \times 200$

☐ $\frac{1}{2} \times 100$

☐ $\frac{3}{4} \times 100$

28. Rearrange the digits of 27 136 to make the least number possible. Use the comma correctly and read the number. _____

29.

$$624 \overline{) 839,280}$$

30.

$$89 \overline{) 205,323}$$

31.

$$9 \overline{) 33,075}$$

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Instruction: Find the sum and differences.

32.

32.4

7.98

+ 42.85

33.

0.97

1.8

2.69

+ 3.2

34. The apostle Paul was a tentmaker. Suppose he had materials these lengths:

$1\frac{3}{4}$ yd., $2\frac{1}{4}$ yd., $3\frac{3}{4}$ yd., and $2\frac{3}{4}$ yd. What was the total length?

35. Alexandra made 24 quarts of lemonade. How many gallons did she make? How many pints did she make?

Instruction: write the correct Arabic numeral for these Roman numerals.

36. $\overline{\text{VI}}$ _____

37. $\overline{\text{VM}}$ _____

38. CMXXIV _____

39. DXXI _____

40. DCCXXII _____