

Incarnation School

Grades 1-4

(for students entering grades 2-5)



In order for students to maintain all the math skills they have learned throughout the school year, students in grades 1-4 will be working in the Sumdog program. This is a program that the children have used throughout the year and are quite familiar with.

- Children will be completing two “Challenges” during the summer.
- Your child will be **expected** to complete both of the assigned 1,000 problem “Challenges” with a goal of 85% accuracy. This is very similar to the Sumdog contests that the children have enjoyed participating in this year.
- Please be aware of the dates for the “Challenges” below, students will not be able to go back to complete a “Challenge” that has already ended.
- We understand that many families travel during the summer and may not have computers available to complete a Sumdog “Challenge”. A written math packet will be available on the Incarnation website, it will be emailed home during the last week of school as well. **The written packet will fulfill one of the required “Challenges”.**
- Students will be given their login information at the end of year in case they do not remember it.
- Incentives will be given for students who complete the “Challenges”!



Challenge #1: May 25th-June 30th

Challenge #2: July 1st -August 17th

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Challenge #1: May 26th-June 30th

Challenge #2: July 1st -August 18th

Name _____

Date _____ Score _____

Assessment A
Adding and Subtracting
Whole Numbers and Decimals

Incarnation School Summer Math for Incoming 5th Graders

(may be used in place of 1 Sumdog Challenge)

Add or subtract.

1.
$$\begin{array}{r} 68 \\ + 26 \\ \hline \end{array}$$

74 84 94

2.
$$\begin{array}{r} 78 \\ - 45 \\ \hline \end{array}$$

43 33 32

3.
$$\begin{array}{r} 428 \\ + 193 \\ \hline \end{array}$$

621 611 521

4.
$$\begin{array}{r} 906 \\ - 417 \\ \hline \end{array}$$

489 589 599

5.
$$\begin{array}{r} 4,268 \\ + 3,735 \\ \hline \end{array}$$

7,003 7,993 8,003

6.
$$\begin{array}{r} 6,481 \\ - 1,967 \\ \hline \end{array}$$

5,514 4,514 4,414

7.
$$\begin{array}{r} 5.9 \\ + 8.8 \\ \hline \end{array}$$

13.7 14.7 14.8

8.
$$\begin{array}{r} 8.2 \\ - 3.4 \\ \hline \end{array}$$

3.8 3.9 4.8

9.
$$\begin{array}{r} 6.73 \\ - 5.85 \\ \hline \end{array}$$

0.88 1.88 1.98

10.
$$\begin{array}{r} 8.08 \\ - 2.94 \\ \hline \end{array}$$

5.14 6.04 6.14

11.
$$\begin{array}{r} \$7.68 \\ + 1.77 \\ \hline \end{array}$$

\$9.35 \$9.45 \$8.35

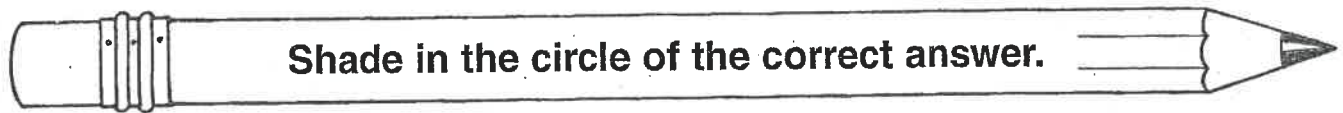
12.
$$\begin{array}{r} \$9.00 \\ - 2.45 \\ \hline \end{array}$$

\$7.65 \$7.55 \$6.55

Name _____

Date _____ Score _____

Assessment B
Multiplication
and Division



Multiply or divide.

1.
$$\begin{array}{r} 9 \\ \times 7 \\ \hline \end{array}$$
 16
 56
 63

2.
$$\begin{array}{r} 5 \\ \times 8 \\ \hline \end{array}$$
 13
 40
 48

3.
$$\begin{array}{r} 4 \\ \times 6 \\ \hline \end{array}$$
 24
 21
 10

4.
$$7 \overline{)56}$$
 7
 8
 9

5.
$$9 \overline{)54}$$
 5
 6
 7

6.
$$7 \overline{)49}$$
 9
 8
 7

7.
$$\begin{array}{r} 84 \\ \times 6 \\ \hline \end{array}$$

 484 504 584

8.
$$\begin{array}{r} 373 \\ \times 6 \\ \hline \end{array}$$

 2,238 2,228 1,838

9.
$$\begin{array}{r} 2,165 \\ \times 4 \\ \hline \end{array}$$

 8,640 8,660 8,860

10.
$$8 \overline{)67}$$
 8 R2
 8 R3
 9

11.
$$4 \overline{)275}$$
 68
 66 R5
 68 R3

12.
$$3 \overline{)782}$$
 260 R2
 270 R2
 260

13.
$$23 \times 67$$
 1,541
 1,301
 1,281

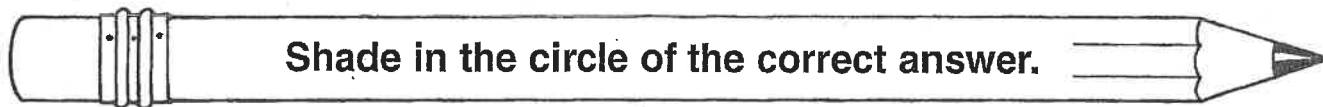
14.
$$54 \times 182$$
 5,628
 9,728
 9,828

15.
$$13 \overline{)497}$$
 37 R8
 38 R3
 38

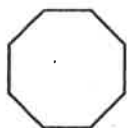
Name _____

Date _____ Score _____

Assessment C
Fractions and Geometry

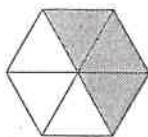


1. Identify the shape.



- octagon
- hexagon
- pentagon

2. Choose the fraction.



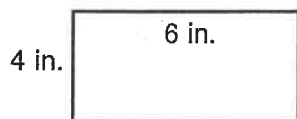
- $\frac{5}{6}$
- $\frac{3}{6}$
- $\frac{1}{3}$

3. Choose the fraction.



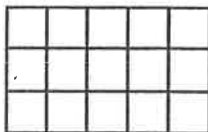
- $\frac{2}{4}$
- $\frac{1}{8}$
- $\frac{2}{3}$

4. Find the perimeter.



- 24 inches
- 20 inches
- 10 inches

5. Find the area.



- 16 square units
- 15 square units
- 8 square units

6. Find the equivalent fraction for $\frac{1}{4}$.

- $\frac{2}{8}$
- $\frac{3}{9}$
- $\frac{4}{6}$

Compare.

7. $\frac{4}{5}$ $\frac{1}{8}$

- $>$
- $<$
- $=$

Add or subtract.

8. $\frac{3}{6} + \frac{1}{6} =$ _____

- $\frac{2}{6}$
- $\frac{4}{6}$
- $\frac{4}{12}$

9. $\frac{7}{8} - \frac{2}{8} =$ _____

- $\frac{3}{8}$
- $\frac{9}{8}$
- $\frac{5}{8}$

10. $2\frac{1}{5} + 1\frac{3}{5} =$ _____

- $2\frac{4}{5}$
- $3\frac{4}{5}$
- $3\frac{4}{10}$

11. $4\frac{2}{3} - 2\frac{1}{3} =$ _____

- $6\frac{1}{2}$
- $2\frac{1}{3}$
- $2\frac{2}{3}$

12. What is 4 out of 5?

- $\frac{4}{5}$
- 45
- $\frac{1}{5}$

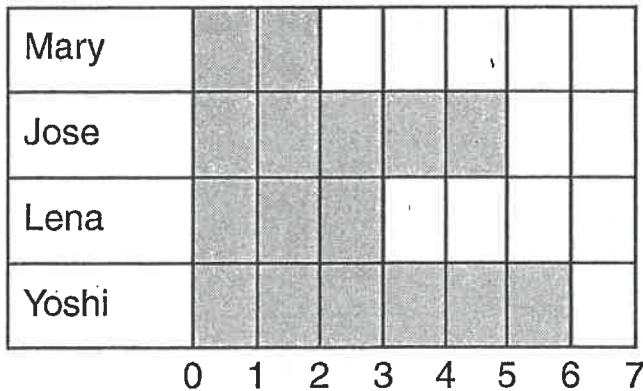
Name _____

Date _____ Score _____

Assessment D
Graphing and
Problem Solving



Number of Books Read



1. How many more books did Yoshi read than Jose?

- 1 2 3

2. How many books did the children read in all?

- 15 16 17

Solve.

3. A toy store gets a shipment of 18 boxes. Each box holds 125 games. How many games are there in all?

- 2,010 2,050 2,250

4. On Sunday, an airplane flies 3,678 miles. On Monday, the plane flies 4,835 miles. How many miles does it fly in all?

- 8,513 7,513 7,403

5. Bianca has 1,935 coins in her collection. Ned has 867 coins in his collection. How many more coins does Bianca have than Ned?

- 1,058 1,068 1,168

6. There are 457 students in the fourth grade. If each classroom holds 25 students, how many full classrooms are there? How many students are left over?

- 18 R7 18 17 R9

MATH RESEARCH PROJECT

Name _____



On the back of this paper, arrange the following data:

- 1. List the age of the last ten presidents of the United States on the day that they took office.**
- 2. Find the range - subtract the youngest age from the oldest age**
- 3. Find the mean - add the ages together and divide by 10**
(You may need to round this answer.)