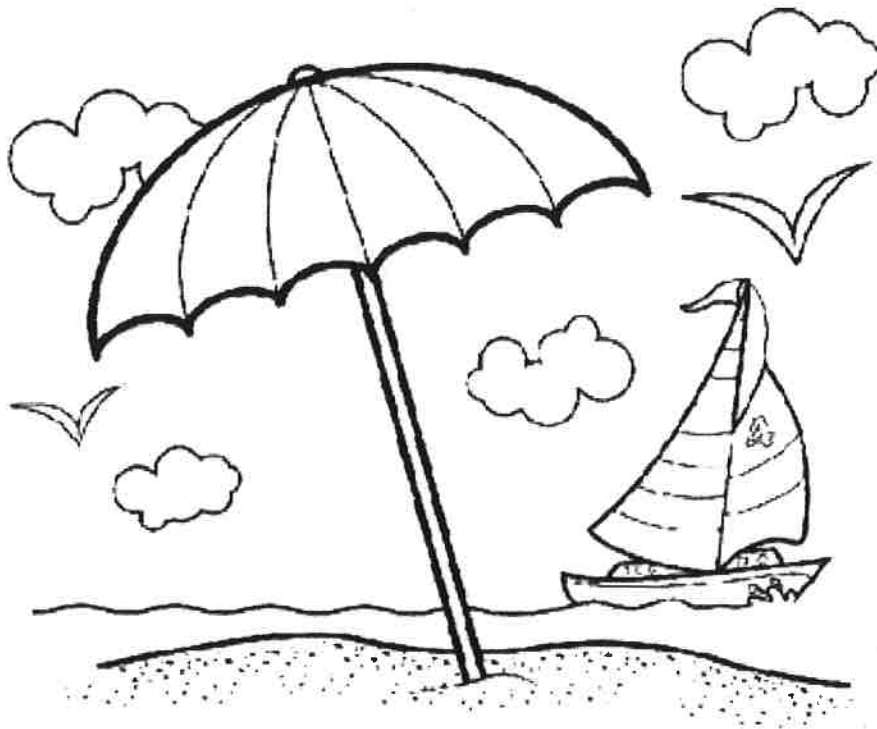


Summer Math Packet

for Incoming Fourth Graders

Name: _____



Whale hello there almost 4th Graders!

It is your job this summer to keep your math skills sharp. We can't have everything you learned this past year going out to sea! To keep on top of things, please complete this packet over the summer. In it, you will find review of key skills that will help you sail smoothly into 4th grade. It is split up into different concepts that you should practice so you can easily find what you want to review when. And **GOOD NEWS!** If you complete this packet and turn it in to your teacher, you will get 5 extra credit points on your first graded test of the year! Five points can make a **HUGE** difference. So enjoy the sun and sand this summer but **DON'T FORGET** to practice your math skills so you come to fourth grade fin-tastically prepared!

Rounding and Estimating

1. Round to the nearest ten.

4768

102

472

14

28

832

2918

392

2. Round to the nearest hundred.

8492

392

2934

294

957

2728

4932

150

3. Estimate the sum by rounding.

49 + 27

17 + 12

98 + 42

11 + 64

____ + ____

____ + ____

____ + ____

____ + ____

$123 + 275$

____ + ____

$178 + 211$

____ + ____

$492 + 376$

____ + ____

$270 + 801$

____ + ____

Addition and Subtraction

1. Find the sum.

$$\begin{array}{r} 8492 \\ + 2919 \\ \hline \end{array}$$

$$\begin{array}{r} 1893 \\ + 2910 \\ \hline \end{array}$$

$$\begin{array}{r} 2913 \\ + 2910 \\ \hline \end{array}$$

$$\begin{array}{r} 1940 \\ + 9284 \\ \hline \end{array}$$

$$\begin{array}{r} 3940 \\ + 901 \\ \hline \end{array}$$

$$\begin{array}{r} 4829 \\ + 302 \\ \hline \end{array}$$

$$\begin{array}{r} 4819 \\ + 4921 \\ \hline \end{array}$$

$$\begin{array}{r} 8472 \\ + 746 \\ \hline \end{array}$$

$$\begin{array}{r} 2910 \\ + 869 \\ \hline \end{array}$$

$$\begin{array}{r} 5834 \\ + 988 \\ \hline \end{array}$$

$$\begin{array}{r} 4891 \\ + 1997 \\ \hline \end{array}$$

$$\begin{array}{r} 9821 \\ + 4561 \\ \hline \end{array}$$

2. Find the difference.

$$\begin{array}{r} 900 \\ - 678 \\ \hline \end{array}$$

$$\begin{array}{r} 8593 \\ - 2910 \\ \hline \end{array}$$

$$\begin{array}{r} 2222 \\ - 981 \\ \hline \end{array}$$

$$\begin{array}{r} 9483 \\ - 536 \\ \hline \end{array}$$

$$\begin{array}{r} 8593 \\ - 1294 \\ \hline \end{array}$$

$$\begin{array}{r} 768 \\ - 308 \\ \hline \end{array}$$

$$\begin{array}{r} 4839 \\ - 986 \\ \hline \end{array}$$

$$\begin{array}{r} 564 \\ - 78 \\ \hline \end{array}$$

$$\begin{array}{r} 8300 \\ - 869 \\ \hline \end{array}$$

$$\begin{array}{r} 4637 \\ - 88 \\ \hline \end{array}$$

$$\begin{array}{r} 737 \\ - 97 \\ \hline \end{array}$$

$$\begin{array}{r} 821 \\ - 661 \\ \hline \end{array}$$

Multiplication and Division

1. Find the product.

$2 \times 4 = \underline{\quad}$

$9 \times 9 = \underline{\quad}$

$8 \times 7 = \underline{\quad}$

$6 \times 4 = \underline{\quad}$

$20 \times 6 = \underline{\quad}$

$40 \times 30 = \underline{\quad}$

$7 \times 7 = \underline{\quad}$

$3 \times 60 = \underline{\quad}$

$4 \times 3 = \underline{\quad}$

$8 \times 8 = \underline{\quad}$

$10 \times 12 = \underline{\quad}$

$12 \times 4 = \underline{\quad}$

$11 \times 30 = \underline{\quad}$

$40 \times 50 = \underline{\quad}$

$7 \times 30 = \underline{\quad}$

$3 \times 40 = \underline{\quad}$

$70 \times 2 = \underline{\quad}$

$12 \times 3 = \underline{\quad}$

$8 \times 3 = \underline{\quad}$

$9 \times 4 = \underline{\quad}$

$20 \times 9 = \underline{\quad}$

$10 \times 60 = \underline{\quad}$

$6 \times 60 = \underline{\quad}$

$11 \times 3 = \underline{\quad}$

$30 \times 2 = \underline{\quad}$

$11 \times 40 = \underline{\quad}$

$5 \times 12 = \underline{\quad}$

$12 \times 10 = \underline{\quad}$

2. Find the quotient.

$18 \div 3 = \underline{\quad}$

$40 \div 10 = \underline{\quad}$

$81 \div 9 = \underline{\quad}$

$45 \div 5 = \underline{\quad}$

$60 \div 2 = \underline{\quad}$

$90 \div 10 = \underline{\quad}$

$64 \div 8 = \underline{\quad}$

$20 \div 5 = \underline{\quad}$

$15 \div 3 = \underline{\quad}$

$72 \div 9 = \underline{\quad}$

$70 \div 10 = \underline{\quad}$

$120 \div 12 = \underline{\quad}$

$14 \div 7 = \underline{\quad}$

$40 \div 4 = \underline{\quad}$

$60 \div 6 = \underline{\quad}$

$45 \div 5 = \underline{\quad}$

$36 \div 6 = \underline{\quad}$ $40 \div 8 = \underline{\quad}$ $24 \div 6 = \underline{\quad}$ $56 \div 8 = \underline{\quad}$

$8 \div 2 = \underline{\quad}$ $90 \div 3 = \underline{\quad}$ $20 \div 2 = \underline{\quad}$ $22 \div 11 = \underline{\quad}$

$44 \div 4 = \underline{\quad}$ $60 \div 6 = \underline{\quad}$ $50 \div 10 = \underline{\quad}$ $49 \div 7 = \underline{\quad}$

3. Find the missing value.

$6 \times \underline{\quad} = 24$ $11 \times \underline{\quad} = 22$ $9 \times \underline{\quad} = 81$ $3 \times \underline{\quad} = 27$

$8 \times \underline{\quad} = 64$ $7 \times \underline{\quad} = 70$ $10 \times \underline{\quad} = 100$ $5 \times \underline{\quad} = 35$

$90 \div \underline{\quad} = 10$ $56 \div \underline{\quad} = 7$ $25 \div \underline{\quad} = 5$ $28 \div \underline{\quad} = 4$

$27 \div \underline{\quad} = 9$ $72 \div \underline{\quad} = 8$ $60 \div \underline{\quad} = 6$ $24 \div \underline{\quad} = 12$

4. Use the array to write all parts of the fact family.

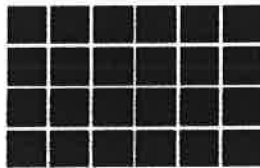


$\underline{\quad} \times \underline{\quad} = \underline{\quad}$

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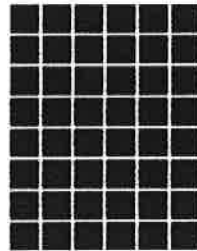


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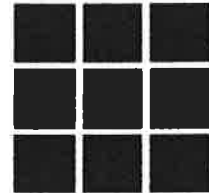


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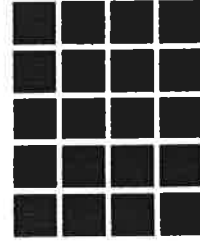
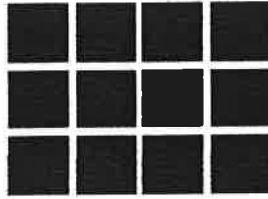
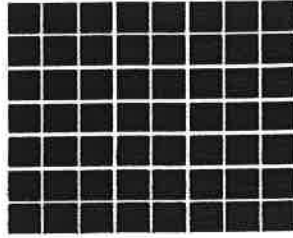
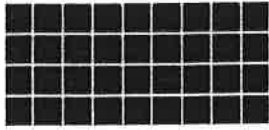


$\underline{\quad} \times \underline{\quad} = \underline{\quad}$

$\underline{\quad} \times \underline{\quad} = \underline{\quad}$

$\underline{\quad} \div \underline{\quad} = \underline{\quad}$

$\underline{\quad} \div \underline{\quad} = \underline{\quad}$



$___ \times ___ = ___$

$___ \times ___ = ___$

$___ \times ___ = ___$

$___ \times ___ = ___$

$___ \times ___ = ___$

$___ \times ___ = ___$

$___ \times ___ = ___$

$___ \times ___ = ___$

$___ \div ___ = ___$

$___ \div ___ = ___$

$___ \div ___ = ___$

$___ \div ___ = ___$

$___ \div ___ = ___$

$___ \div ___ = ___$

$___ \div ___ = ___$

$___ \div ___ = ___$

5. Follow the Order of Operations (PEMDAS) to solve the equations.

$4 \times 2 + 7 - 4 =$

$14 \div 2 + 9 \times 5 =$

$90 \times 1 + 17 - 42 =$

$16 \div 4 + 20 \div 5 =$

$8 \times 10 + 4 - 60 =$

$30 \div 15 + 2 \times 3 =$

$4 \div 4 + 18 \div 3 =$

$11 + 9 \div 3 \times 12 =$

$15 \times 3 - 20 \times 2 =$

$60 + 5 - 18 \times 2 =$

$20 \div 5 + 8 \times 7 =$

$30 - 11 + 40 \times 1 =$

Fractions

1. Compare the fractions using a greater, lesser, or equal to symbol.

$\frac{4}{5} \text{ — } \frac{6}{10}$

$\frac{2}{4} \text{ — } \frac{6}{9}$

$\frac{7}{12} \text{ — } \frac{2}{3}$

$\frac{1}{4} \text{ — } \frac{1}{5}$

$\frac{2}{5} \text{ — } \frac{2}{3}$

$\frac{4}{5} \text{ — } \frac{6}{7}$

$\frac{3}{5} \text{ — } \frac{6}{10}$

$\frac{1}{4} \text{ — } \frac{1}{3}$

$\frac{2}{4} \text{ — } \frac{1}{2}$

$\frac{8}{9} \text{ — } \frac{6}{7}$

$\frac{1}{3} \text{ — } \frac{2}{5}$

$\frac{2}{7} \text{ — } \frac{3}{8}$

$\frac{5}{8} \text{ — } \frac{6}{9}$

$\frac{2}{9} \text{ — } \frac{3}{10}$

$\frac{3}{5} \text{ — } \frac{8}{10}$

$\frac{4}{6} \text{ — } \frac{2}{3}$

2. Order the fractions from least to greatest.

$\frac{1}{4}, \frac{1}{8}, \frac{1}{3}$

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

$\frac{2}{4}, \frac{1}{6}, \frac{2}{3}$

$\frac{1}{10}, \frac{1}{5}, \frac{1}{2}$

—, —, —

—, —, —

—, —, —

—, —, —

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

$\frac{1}{7}, \frac{1}{8}, \frac{1}{9}$

$\frac{2}{5}, \frac{2}{10}, \frac{2}{3}$

$\frac{9}{10}, \frac{7}{8}, \frac{5}{6}$

—, —, —

—, —, —

—, —, —

—, —, —

Word Problems

1. John goes to the beach at 10:00 AM. He swims in the ocean for 20 minutes then plays in the sand for 45 minutes. He then leaves the beach. At what time does John leave the beach?
2. Ariel read two chapters of her summer reading book today. It took her 20 minutes to read the first chapter and 55 minutes to read the second chapter. She finished reading at 2 PM. When did she start reading?
3. I have one gallon of mint chocolate chip ice cream. I have 5 friends who want to share the ice cream with me. How much of the ice cream will each of us get to eat?

4. Carla used to wake up for school at 6:15 AM. Now that it's summer, she wakes up two and a half hours later. What time does she wake up now?
5. My friend has 12 beach balls. He wants to share them with 2 of his friends. If he and his friends split them equally, how many beach balls which each person get?
6. Ella needs to buy 42 popsicles for her end-of-school party. The popsicles come in boxes of 6. How many boxes does Ella need to buy?
7. Joe buys 15 bags of chips for a barbeque. 5 of the bags are baked chips. What fraction of the total chips are baked?

8. I bought an ice cream cone for \$2.45. I paid for it with a \$5 bill. How much change should I get back?
9. There are 143 shells on the beach. Josh collects 34 shells and brings them home with him. How many shells are left on the beach?
10. Kim invited 12 friends to her beach house. She expects each friend to eat 3 hot dogs each. How many hot dogs should she buy so she has 3 extra hot dogs left over?