



**Convent &
Stuart Hall**

Schools of the Sacred Heart San Francisco

Entering 2nd Grade Summer Math Engagement

Name: _____

Summer Engagement Philosophy: Summer should be a time for fun, relaxation, and family time. However, intentional practice of math skills has been shown to be helpful for student retention of topics learned during the previous school year. This packet is designed to **review** some essential skills/concepts/math facts to ensure a smooth transition back to school.

Expectations: Students are expected to complete the packet of practice problems. Our goal is for students to spread out this practice with approximately one page per week so there is a continual engagement with mathematics. At the end of the packet, there is a list of extra games/resources that are also encouraged for additional practice. Students will be turning this packet in to their teacher to check on the first day of school. This is intended to be a part of the first check for understanding prior to our beginning of year Inventory Assessments.

What parents can do to support their child:

- Make a practice plan and help your child set goals in order to complete the required work by the start of the school year. Spacing the practice throughout the summer will be more effective in terms of keeping skill sets in place (ex: Monday Math fun!)
- Establish a place where your child can work without distractions and encourage independence when appropriate.
- Pick up math card games/support materials from your child's teacher in June for extra resources over the summer.

Week 1: Addition Facts:

Circle the double facts and then write the answer to the circled facts:

$4 + 7 =$

$$\begin{array}{r} 8 \\ + 8 \\ \hline \end{array}$$

$7 + 7 =$

$$\begin{array}{r} 5 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ + 12 \\ \hline \end{array}$$

$3 + 6 =$

$$\begin{array}{r} 11 \\ + 11 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ + 13 \\ \hline \end{array}$$

$6 + 6 =$

$8 + 6 =$

$3 + 3 =$

$10 + 5 =$

Circle the “neighbor” facts below and write the answer to the circled facts:

$7 + 8 =$

$5 + 6 =$

$$\begin{array}{r} 4 \\ + 4 \\ \hline \end{array}$$

$9 + 8 =$

$$\begin{array}{r} 4 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 6 \\ \hline \end{array}$$

$6 + 6 =$

$4 + 6 =$

$12 + 11 =$

Add the number strings below (hint: Find the tens)

$8 + 4 + 6 + 2 + 9 + 1 = \underline{\hspace{2cm}}$

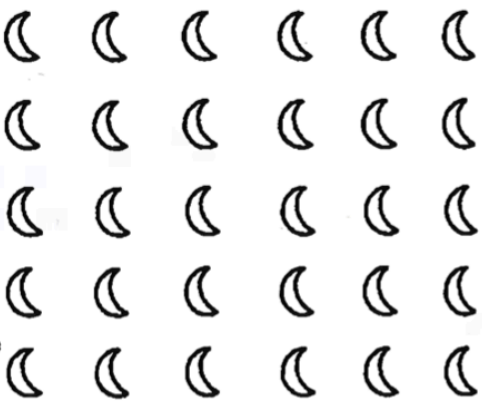
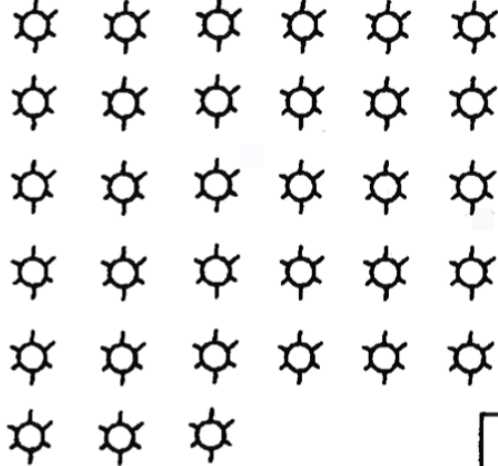
$6 + 3 + 4 + 2 + 5 = \underline{\hspace{2cm}}$

$12 + 2 + 8 + 6 + 4 + 20 = \underline{\hspace{2cm}}$

$4 + 5 + 4 + 5 + 3 + 7 = \underline{\hspace{2cm}}$

Week 2: Groupings of Ten

Circle the groups of tens. Then count and write the total number:

Add the number strings below (hint: Find the tens)

$$6 + 3 + 1 + 2 + 2 + 8 = \underline{\hspace{2cm}}$$

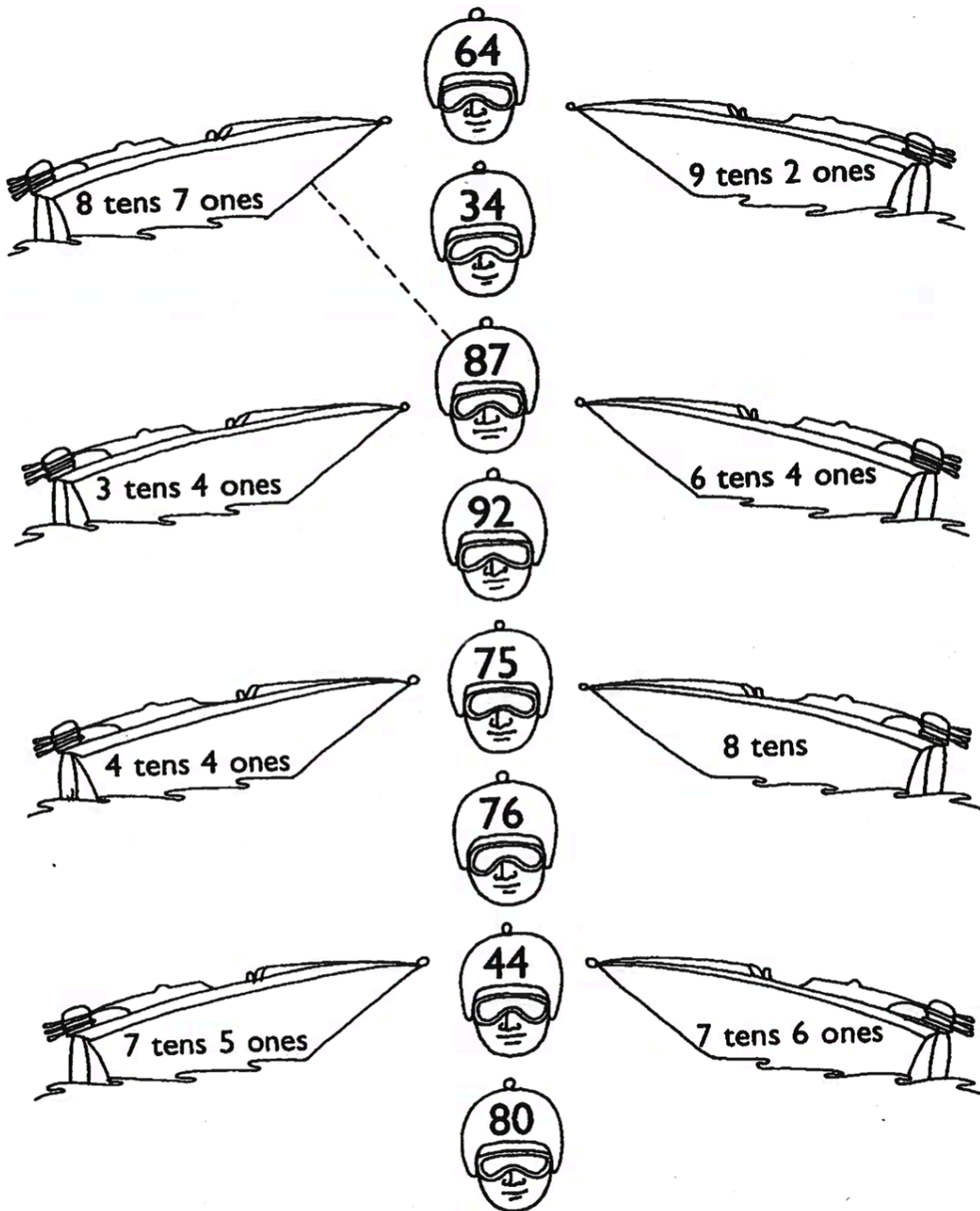
$$9 + 1 + 5 + 2 + 5 = \underline{\hspace{2cm}}$$

$$11 + 2 + 9 + 4 + 6 + 20 = \underline{\hspace{2cm}}$$

$$6 + 3 + 4 + 5 + 1 + 7 = \underline{\hspace{2cm}}$$

Week 3: Placeholder: Ones and Tens:

Match the description with the number.



Fact Practice:

1. $6 + 6 =$

3. $4 + 5 =$

5. $3 + 2 =$

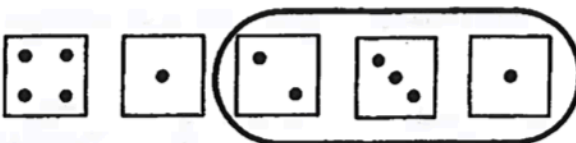
2. $7 + 7 =$

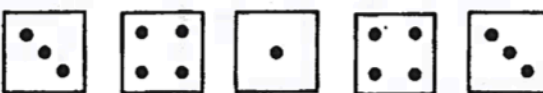
4. $7 + 6 =$

6. $8 + 9 =$

Week 4: Addition Facts with building Numbers

Use the dot patterns that are next to each other to make the sums shown.
The first one is done for you.

6 

9 

7 

11 

8 

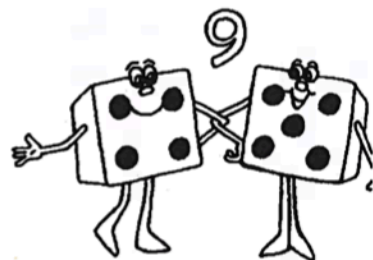
10 

12 

9 

11 

12 



Week 5: Math Facts Practice

$6 + 6 = \underline{\quad}$

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

$4 + 5 = \underline{\quad}$

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

$9 + 3 = \underline{\quad}$

$3 + 5 = \underline{\quad}$

$7 + 6 = \underline{\quad}$

$8 + 9 = \underline{\quad}$

$5 + 7 = \underline{\quad}$

$4 + 8 = \underline{\quad}$

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

$5 + 8 = \underline{\quad}$

Week 6: Subtraction Practice

$10 - 8 = \underline{\quad}$

$12 - 6 = \underline{\quad}$

$7 - 5 = \underline{\quad}$

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

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

$11 - 6 = \underline{\quad}$

$9 - 6 = \underline{\quad}$

$12 - 7 = \underline{\quad}$

$8 - 6 = \underline{\quad}$

$9 - 3 = \underline{\quad}$

$11 - 2 = \underline{\quad}$

$11 - 4 = \underline{\quad}$

$11 - 8 = \underline{\quad}$

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

Week 7: Word Problems for addition and subtraction:

1. Harry has 32 stickers. His brother gives him 15 more. How many stickers does Harry have now?

2. There are two stacks of presents for Jack and Ashley. There are 7 presents in one stack and 8 in another stack. How many presents in total are there?

3. John has two boxes of puzzles. There are 8 pieces in each puzzle in each of the boxes. How many puzzle pieces are there in total?

4. Reba collects stamps. She has 36 stamps in her stamp collection book. She decides to give her sister 6 stamps as a gift. How many stamps does she have now?

5. A bee has 6 legs. How many legs do 2 bees have?

6. You have five pieces of candy and your teacher gives you 3 more. You then give one away to your friend. How many pieces of candy do you have now?

Week 8: Addition Challenge

If $4 + 8 + 2 + \heartsuit = 20$ then $\heartsuit = \underline{\hspace{2cm}}$

If $25 + 25 + \heartsuit = 60$ then $\heartsuit = \underline{\hspace{2cm}}$

If $\heartsuit + 12 + 12 = 30$ then $\heartsuit = \underline{\hspace{2cm}}$

If $12 - \heartsuit = 5$ then $\heartsuit = \underline{\hspace{2cm}}$

If $16 + 8 + 4 + \heartsuit = 15 + 15$ then $\heartsuit = \underline{\hspace{2cm}}$

Week 9: Doubles Facts Challenge

My Stickers of Birds	
 Owl	     
 Peacock	  
 Parrot	   
 Swan	    
 Eagle	 
Each  stands for 2 stickers.	

There are _____ stickers altogether.

There are _____ stickers of swans.

There are _____ more stickers of owls than of parrots.

There are _____ fewer stickers of eagles than of swans.

The number of stickers of _____ is the greatest.

The number of stickers of _____ is the smallest.

Week 10: Math Facts Practice

$10 - 5 =$

$9 - 0 =$

$9 - 1 =$

$2 + 5 =$

$8 - 2 =$

$9 - 7 =$

$8 + 2 =$

$3 + 6 =$

$3 - 2 =$

$8 - 4 =$

$5 + 2 =$

$9 - 8 =$

$7 + 1 =$

$6 + 4 =$

$4 + 1 =$

$2 - 1 =$

$3 - 1 =$

$7 - 2 =$

$3 + 7 =$

$4 + 2 =$

$2 + 3 =$

Additional Games and Resources:

Games:

Qwirkle	Catan (Jr)	Sorry
Mastermind	PayDay	Uno
Flip 4	Monopoly	Dominos
Make 7	Chutes and Ladders	Spot It
Ken-Ken/Sudoku/Inkie	Connect Four	Chess
Battleship	Guess Who	Skipbo
Ticket to Ride	Fishing for 10	

Math Websites:

Youcubed: <http://youcubed.org>

Website by Jo Boaler with weekly tasks and some free online classes for students from Stanford.

Beast Academy: <http://beastacademy.com/books>

Math-related books for all ages!

PBS Kids Cyber Games: <http://pbskids.org/cyberchase>

Free math games, as well as other subject areas

Summer Enrichment Camps:

Berkeley Academic Talent Development Program

Elementary sessions run in July

Art of Problem Solving Summer Camps

Offers both in-person and virtual options