

Incoming 4th Grade Summer Math Packet

We want your child to be set up for success as they enter 4th grade. This packet is divided into 8 weeks, and is a review of the skills they learned in 3rd grade.

Practicing these skills will help prevent the summer slide, and ensure students maintain their foundational knowledge. I recommend each week starting 6/5, and ending 7/28. Students should complete and turn in the packet no later than August 16th. Students will receive a math grade in Quarter 1 based on completion of the packet (points will be deducted for no work shown). Students should complete the packet using a pencil and show all work. Included in the packet are some resources to use as needed.

Thank you for your help in preparing students for 4th Grade!

Mrs. Serpa



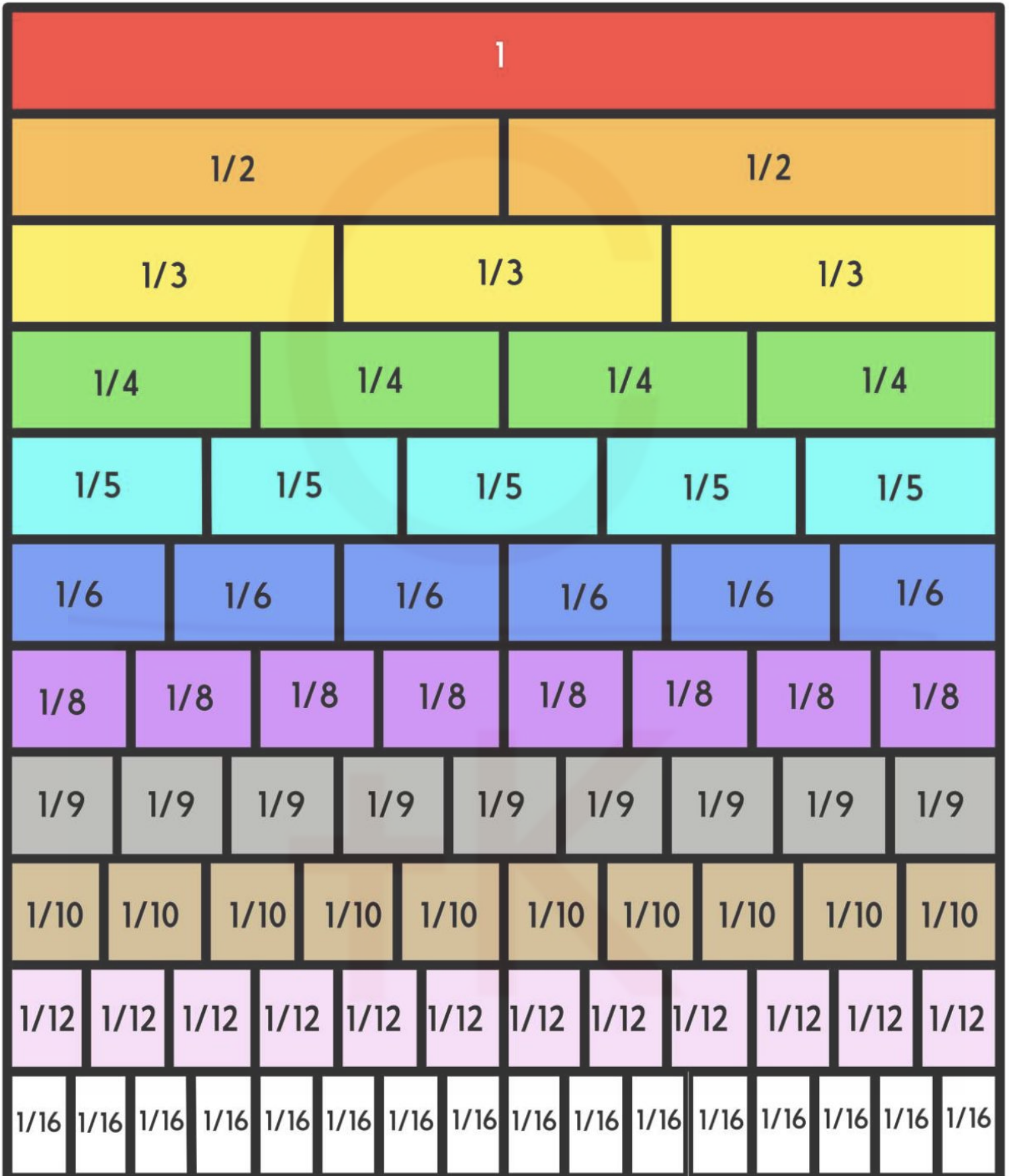
Millions to Millionths Place Value Chart

M	Millions			
Hth	Hundred Thousands			
TTh	Ten Thousands			
Th	Thousands			
H	Hundreds			
T	Tens			
O	Ones			
●	Decimal Point			
t	Tenths			
h	Hundredths			
th	Thousands			
tth	Ten Thousands			
hth	Hundred Thousands			
m	Millionths			

MULTIPLICATION

×	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	80
10	10	20	30	40	50	60	70	80	90	100

FRACTION STRIPS



Week 1 – Place Value

What is the value of the underlined digit?

78, 935

Compare the numbers below using $>$, $<$, or $=$.

5375 ○ **5566**

Which statement about the number 27 is true?

- F** It is even because the digit in the tens place is even.
- G** It is odd because the digit in the ones place is odd.
- H** It is even because it can be divided by 9 evenly.
- J** It is odd because it can be divided by 2 evenly.

Week 1 – Place Value

Four students with number cards want to line up from left to right in order from least to greatest number.

Left Right

Erin Rico Penelope Olivia

The diagram shows four students standing in a line from left to right. Above them is a horizontal line with an arrow pointing from 'Left' to 'Right'. Each student is holding a rectangular sign with a number written on it. Erin is on the far left, followed by Rico, then Penelope, and Olivia on the far right.

Which statement is true?

- A Olivia should be between Erin and Rico.
- B Erin should be on the right end after Olivia.
- C Penelope should be on the right end after Olivia.
- D All the students are in the correct order.

Write the number in
Standard AND Expanded
Form.

**Four thousand, seven
hundred fifty-nine**

Standard: _____

Expanded: _____

Week 2 – Addition

Add

$$\begin{array}{r} 249 \\ + 173 \\ \hline \end{array}$$

Add

$$\begin{array}{r} \$74.80 \\ + 8.62 \\ \hline \end{array}$$

An expression is shown.

$$5 + 700 + 40$$

What number is equivalent to this expression?

Add

$$\begin{array}{r} 650 \\ 542 \\ + 183 \\ \hline \end{array}$$

Week 2 – Addition

The table shows the numbers of tomato plants and spinach plants in five different gardens.

Garden Plants

Garden	Number of Tomato Plants	Number of Spinach Plants
K	34	43
L	26	35
M	38	47
N	29	38
P	45	54

Based on the relationship shown in the table, which statement is true?

- A** There are 9 more spinach plants than tomato plants in each garden.
- B** There are 9 fewer spinach plants than tomato plants in each garden.
- C** There are 8 more spinach plants than tomato plants in each garden.
- D** There are 8 fewer spinach plants than tomato plants in each garden.

Week 3 – Subtraction

Subtract

$$\begin{array}{r} 83 \\ - 25 \\ \hline \end{array}$$

Subtract

$$\begin{array}{r} 3052 \\ - 121 \\ \hline \end{array}$$

A movie theater has 710 seats.

- 158 seats are red.
- 247 seats are black.
- 119 seats are yellow.
- The rest of the seats are green.

How many seats are green?

- A** 186
- B** 524
- C** 214
- D** 206

Subtract

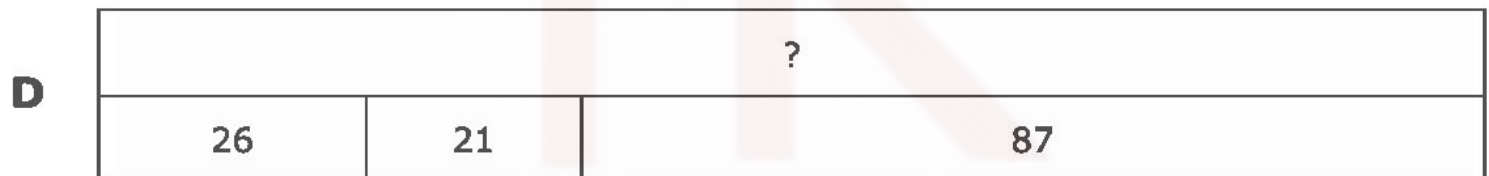
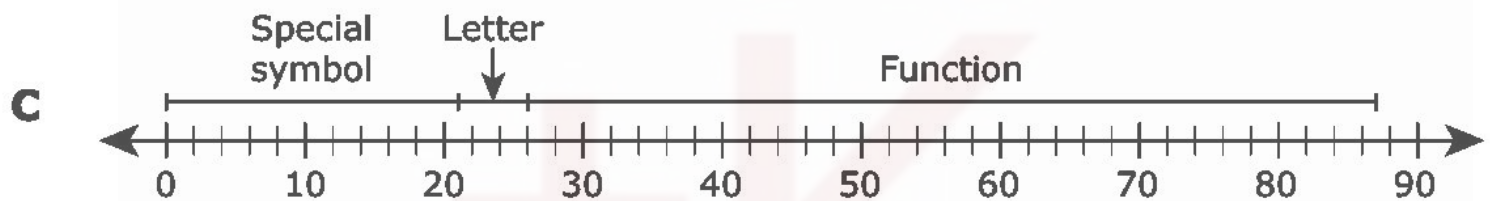
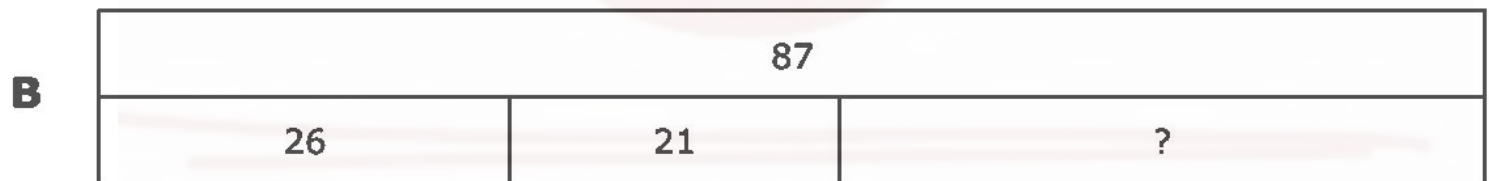
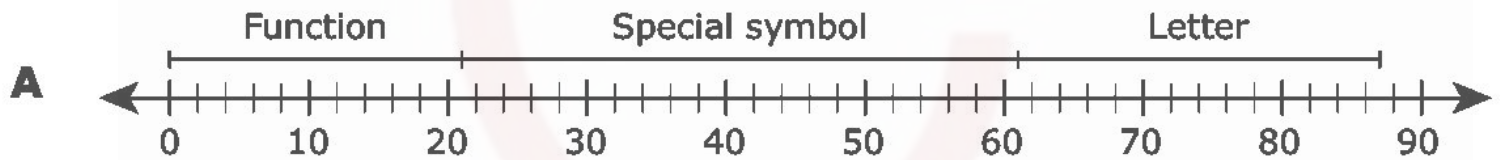
$$\begin{array}{r} \$6.99 \\ - 3.46 \\ \hline \end{array}$$

Week 3 – Subtraction

The total number of keys on a computer keyboard is 87.

- There are 26 letter keys and 21 special symbol keys on the keyboard.
- The rest of the keys are function keys.

Which model represents one way to find the number of function keys on the keyboard?



Week 4 – Multiplication

Multiply

$$\begin{array}{r} 20 \\ \times 2 \\ \hline \end{array}$$

Multiply

$$5 \times 9 =$$

Multiply

$$\begin{array}{r} 44 \\ \times 3 \\ \hline \end{array}$$

Haruko did 9 sit-ups in P.E. class. The number of sit-ups Tom did can be represented by this expression.

$$2 \times 9$$

Which statement is true?

- F** Tom did 2 times as many sit-ups as Haruko.
- G** Haruko did 2 times as many sit-ups as Tom.
- H** Tom did 2 more sit-ups than Haruko.
- J** Haruko did 2 more sit-ups than Tom.

Week 4 – Multiplication

Gia lists some different methods she thinks she can use to solve the multiplication problem shown.

$$7 \times 11 = ?$$

Which answer choice is **NOT** a correct method for Gia to use?

A



B



C 11, 22, 33, 44, 55, 66, (77)

D 7, 18, 29, 40, 51, 62, (73)

Week 5 – Division

Divide

$$25 \div 3 =$$

Divide

$$13 \div 2 =$$

Divide

$$18 \div 4 =$$

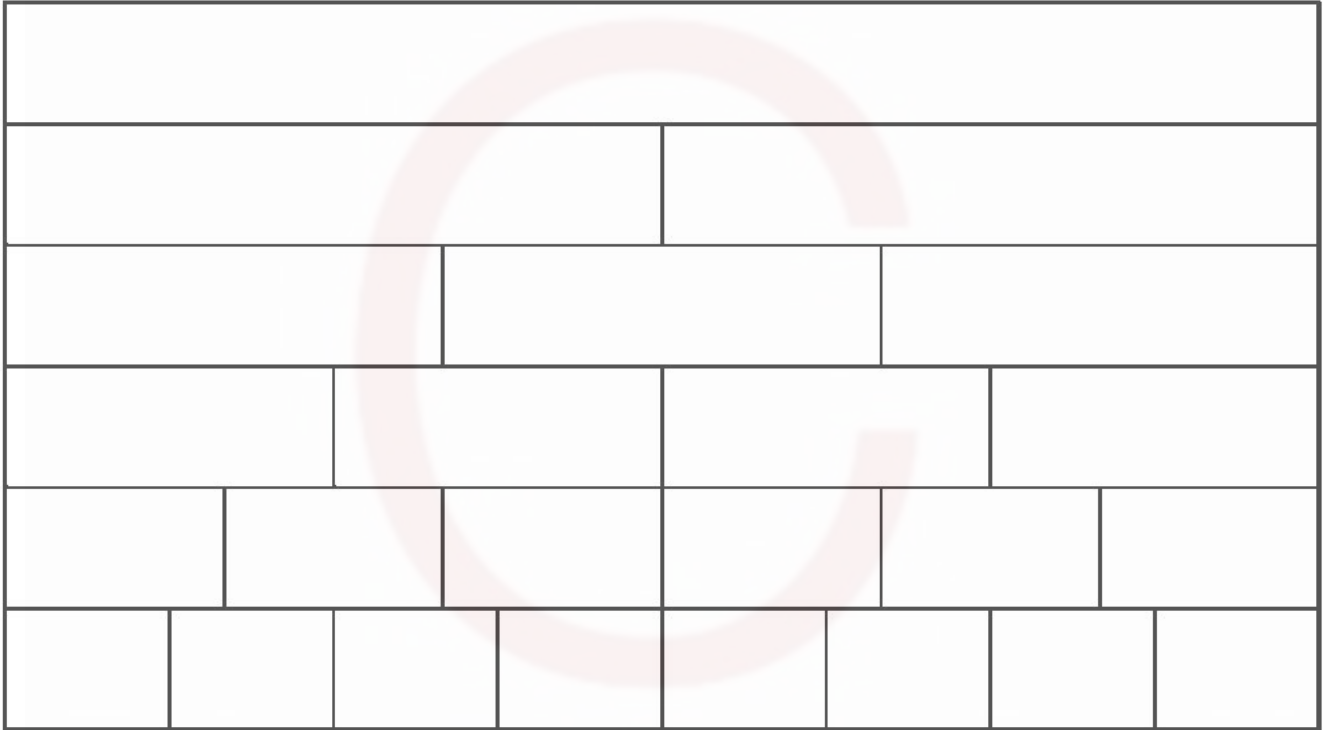
A group of people bought tickets for a roller-coaster ride.

- The group spent \$4 for each ticket.
- Altogether the group spent \$48 on tickets.
- Each person in the group got 2 tickets.

How many people were in the group? _____

Week 5 – Division

The fraction strips shown can be used to find equivalent fractions.



Which fraction is equivalent to $\frac{2}{4}$?

- F $\frac{1}{2}$
- G $\frac{2}{6}$
- H $\frac{3}{4}$
- J $\frac{1}{3}$

Week 6 – Fractions

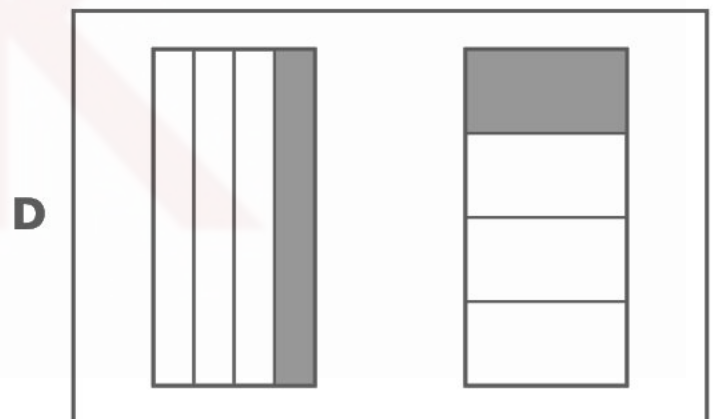
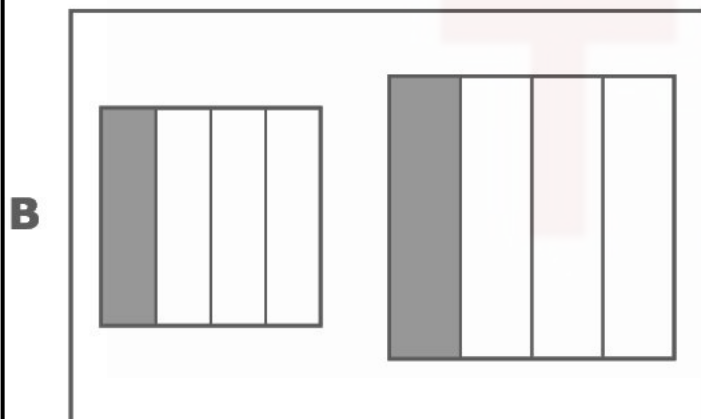
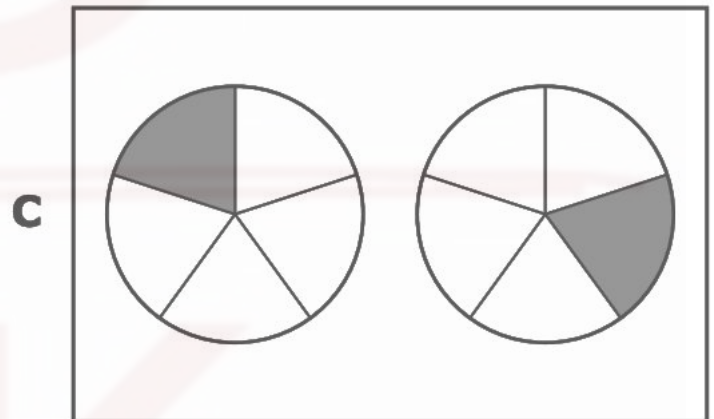
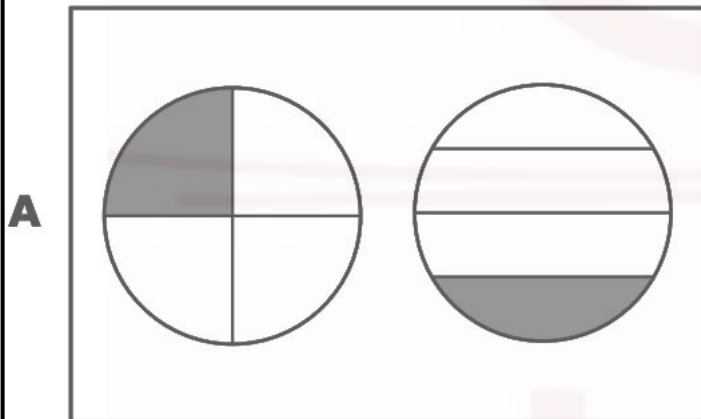
Write the fraction
three eights

Write the equivalent
fraction

$$\frac{2}{5} = \frac{?}{10}$$

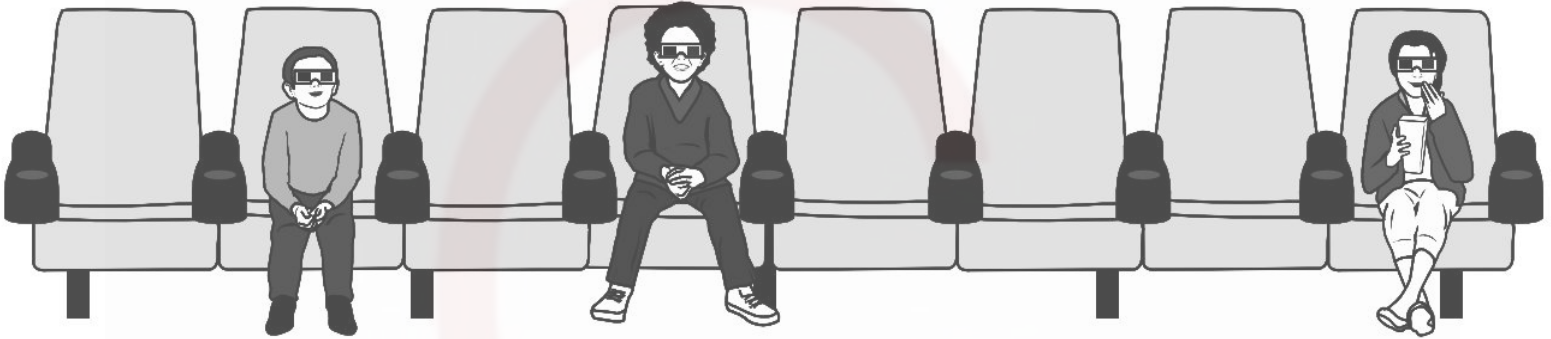
Derrick drew two congruent figures and then shaded $\frac{1}{4}$ of each figure.

Which figures could be the ones Derrick drew and shaded?



Week 6 – Fractions

10 The picture shows 8 seats in a movie theater. Children are sitting in a fraction of the seats.



Which expression is equivalent to the fraction of the seats that have children sitting in them?

F $\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}$

G $\frac{1}{3} + \frac{1}{3} + \frac{1}{3}$

H $\frac{3}{8} + \frac{3}{8} + \frac{3}{8} + \frac{3}{8} + \frac{3}{8} + \frac{3}{8} + \frac{3}{8} + \frac{3}{8}$

J $\frac{1}{8} + \frac{1}{8} + \frac{1}{8}$

Add the Fractions.

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

Week 7 – Review

Write the standard form of the number

$$30,000 + 6000 + 500 + 7$$

Which comparison is true?

A $68 > 649$

B $571 > 582$

C $730 < 806$

D $709 < 692$

Add

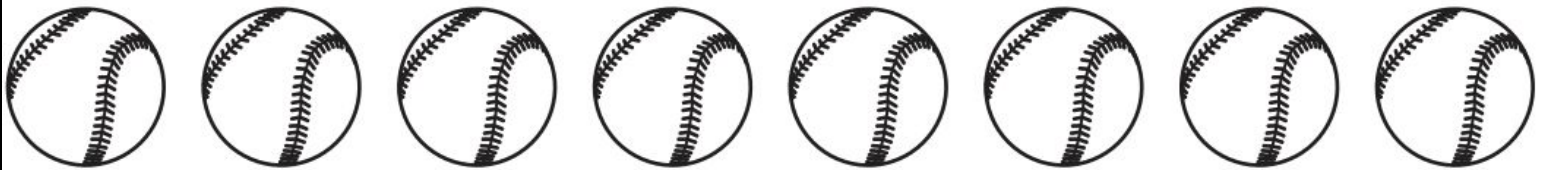
$$44 + 33 + 10$$

Week 7 – Review

The rectangular floor of Ms. Ragan's closet is completely covered with carpet squares. Each carpet square covers 1 square foot of the floor. There are 4 rows, and each row has 16 carpet squares.

What is the area of the floor of this closet in square feet?

Carter and Dane shared a package of 8 baseballs equally.



What fraction of the package of baseballs did each person get?

Week 8 – Review

A store sold 3 TVs for \$256 each. How much money did the store get all together?

How much time is between 10:30 A.M. and 2:00 P.M.?

18 in.



28 in.

What is the perimeter of the mirror in inches?

- A** 72 in.
- B** 46 in.
- C** 74 in.
- D** 92 in.

Week 8 – Review

The table shows the weights of four elephants.

Elephant Weights

Elephant	Weight (pounds)
R	12,345
S	13,960
T	12,509
U	11,960

Which comparison of these weights is true?

- A** The weight of Elephant R $<$ the weight of Elephant T
- B** The weight of Elephant U $>$ the weight of Elephant T
- C** The weight of Elephant S $=$ the weight of Elephant U
- D** The weight of Elephant S $<$ the weight of Elephant T