

# Horizons

## Math



# 5

2 Match.

1.  $7 + (1 + 4) = (7 + 1) + 4$

a. Order Property of Addition

2.  $3 + 5 = 8$  so  $5 + 3 = 8$

b. Grouping Property of Addition

3.  $3 + 0 = 3$

c. Zero Property of Addition

3 Add. Be sure and write the fractions in lowest terms. Connect the answers in order of the problems to uncover the hidden picture.

1.  $\frac{1}{7} + \frac{2}{7} =$  \_\_\_\_\_

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

3.  $\frac{2}{8} + \frac{4}{8} =$  \_\_\_\_\_

4.  $\frac{2}{9} + \frac{3}{9} =$  \_\_\_\_\_

5.  $\frac{4}{9} + \frac{3}{9} =$  \_\_\_\_\_

6.  $\frac{4}{5} + \frac{1}{5} =$  \_\_\_\_\_

7.  $\frac{2}{17} + \frac{7}{17} =$  \_\_\_\_\_

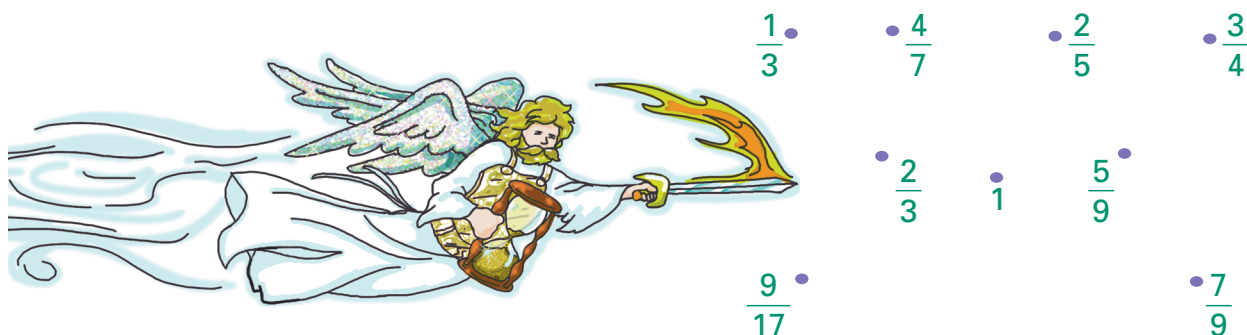
8.  $\frac{1}{3} + \frac{1}{3} =$  \_\_\_\_\_

9.  $\frac{3}{15} + \frac{2}{15} =$  \_\_\_\_\_

10.  $\frac{3}{7} + \frac{1}{7} =$  \_\_\_\_\_

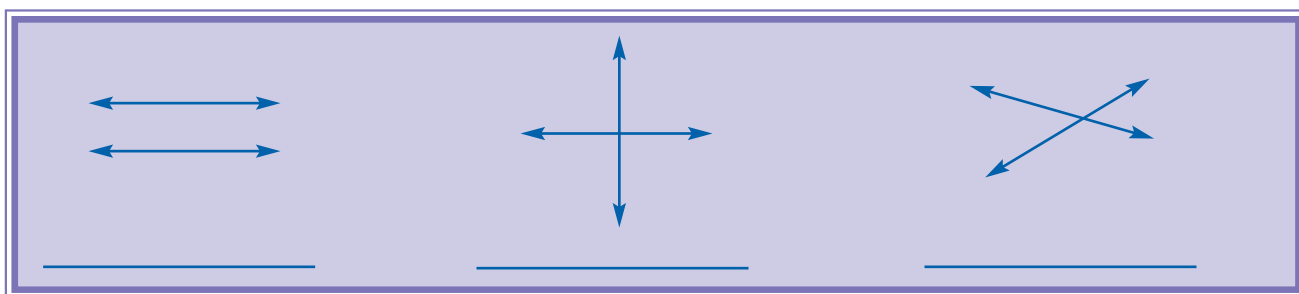
11.  $\frac{6}{9} + \frac{2}{9} =$  \_\_\_\_\_

$\frac{8}{9} + \frac{3}{7}$



*Those who are wise will shine like the brightness of the heavens, and those who lead many to righteousness, like the stars for ever and ever. Daniel 12:3*

4 Define using the following words: parallel, intersecting, perpendicular.



5 Arrange the numbers in the spaces below to make the largest number possible.

1, 7, 3, 0, 5, 7

3, 3, 5, 8, 1, 0, 2

7, 9, 7, 9, 2, 1

----- . -----

6

Add each fraction and write it in lowest terms. Find the letter in the roof that matches the sum, and write it in the box in the window. The message will complete the statement; **A house** .....

Roof letters and fractions:

K =  $\frac{5}{8}$     O =  $\frac{1}{3}$     B =  $\frac{1}{2}$     T =  $\frac{3}{4}$

L =  $\frac{2}{3}$     C =  $\frac{7}{9}$     U = 1    N =  $\frac{9}{14}$     I =  $\frac{5}{6}$     R =  $\frac{17}{30}$

Window 1:  $\frac{2}{6} + \frac{1}{6}$

Window 2:  $\frac{5}{11} + \frac{6}{11}$

Window 3:  $\frac{9}{12} + \frac{1}{12}$

Window 4:  $\frac{6}{18} + \frac{6}{18}$

Window 5:  $\frac{4}{8} + \frac{2}{8}$

Window 6:  $\frac{1}{12} + \frac{3}{12}$

Window 7:  $\frac{4}{14} + \frac{5}{14}$

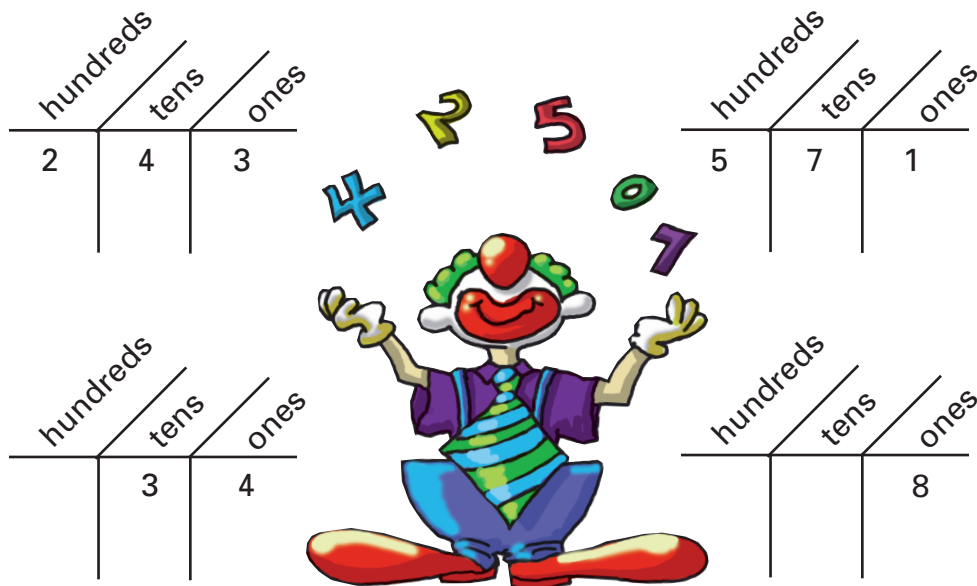
Window 8:  $\frac{5}{30} + \frac{12}{30}$

Window 9:  $\frac{3}{15} + \frac{2}{15}$

Window 10:  $\frac{6}{9} + \frac{1}{9}$

Window 11:  $\frac{8}{16} + \frac{2}{16}$

**Matthew 7:24-25: Everyone who listens to these words of mine and acts on them will be like a wise man who \_\_\_\_\_ his house \_\_\_\_\_. The rain fell, the floods came, and the winds flew and buffeted the house. But it did not collapse; it had been set solidly on rock.**



2 Match each standard number with the written or expanded form of that number.

296	Two thousand, nine hundred sixty
2,096	Two hundred ninety-six
296,000	$200,000 + 900 + 60$
2,960	Two thousand, ninety-six
200,960	$200,000 + 90,000 + 6,000$

3 Find each number written in standard form in the puzzle below.

Five hundred thousand, forty-five  
 One billion, six hundred thousand  
 Eleven million, four hundred seventy-five thousand, nine hundred  
 Two thousand fourteen

1	0	0	0	6	0	0	0	0	0
1	5	3	1	0	5	7	9	2	4
4	7	6	3	8	4	5	1	3	1
7	4	0	4	8	9	9	1	4	0
5	0	0	0	4	5	0	4	7	9
9	3	5	9	8	2	1	8	2	5
0	4	0	0	7	2	5	5	3	7
0	6	5	9	8	0	0	9	6	8
9	8	8	1	8	3	2	0	1	4
6	5	2	3	5	6	1	0	4	9

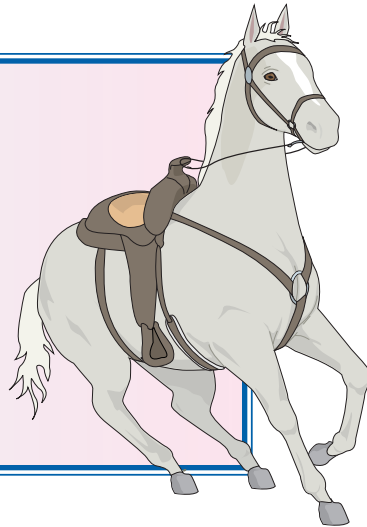
5 Solve.

$$3 \text{ gal} = \underline{\hspace{2cm}} \text{ qt}$$

$$4 \text{ pt} = \underline{\hspace{2cm}} \text{ qt}$$

$$4 \text{ c} = \underline{\hspace{2cm}} \text{ qt}$$

$$\frac{1}{2} \text{ pt} = \underline{\hspace{2cm}} \text{ c}$$



6 Find the missing addends.

$$\begin{array}{r} ? \\ + 8 \\ \hline 13 \end{array}$$

$$\begin{array}{r} 10 \\ + ? \\ \hline 25 \end{array}$$

$$\begin{array}{r} ? \\ + 45 \\ \hline 68 \end{array}$$

$$\begin{array}{r} 98 \\ + ? \\ \hline 118 \end{array}$$

$$\begin{array}{r} ? \\ + 5 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 50 \\ + ? \\ \hline 95 \end{array}$$

7 Find the products.

$$3^2$$

$$4^2$$

$$5^2$$

$$2^3$$

$$10^2$$





- 5 Find the product.

$$\begin{array}{r} 542 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 903 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 284 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 731 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 732 \\ \times 3 \\ \hline \end{array}$$

- 6 Answer the questions about the number below.

**365,891,027,000**

1. Write the number in words. \_\_\_\_\_  
\_\_\_\_\_
2. The seven is in the \_\_\_\_\_ place.
3. What number is in the ten billions' place? \_\_\_\_\_
4. What number is in the hundred millions' place? \_\_\_\_\_
5. What number is in the ten thousands' place? \_\_\_\_\_

