

Parsons ES  
Math Practice  
For  
Upcoming 4<sup>th</sup> Graders

# Addition

This year you will be expected to solve 20 basic fact problems in 1 minute. Practice hard. 😊 Speed IS important, but accuracy is even more important.

$$\begin{array}{r} 1.0 \\ +8 \\ \hline \end{array} \quad \begin{array}{r} 2.5 \\ +8 \\ \hline \end{array} \quad \begin{array}{r} 3.9 \\ +8 \\ \hline \end{array} \quad \begin{array}{r} 4.9 \\ +3 \\ \hline \end{array} \quad \begin{array}{r} 5.7 \\ +1 \\ \hline \end{array} \quad \begin{array}{r} 6.9 \\ +6 \\ \hline \end{array} \quad \begin{array}{r} 7.7 \\ +5 \\ \hline \end{array} \quad \begin{array}{r} 8.9 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 9.6 \\ +5 \\ \hline \end{array} \quad \begin{array}{r} 10.2 \\ +7 \\ \hline \end{array} \quad \begin{array}{r} 11.8 \\ +6 \\ \hline \end{array} \quad \begin{array}{r} 12.2 \\ +3 \\ \hline \end{array} \quad \begin{array}{r} 13.4 \\ +5 \\ \hline \end{array} \quad \begin{array}{r} 14.8 \\ +7 \\ \hline \end{array} \quad \begin{array}{r} 15.9 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 16.5 \\ +4 \\ \hline 3 \end{array} \quad \begin{array}{r} 17.6 \\ +8 \\ \hline 9 \end{array} \quad \begin{array}{r} 18.3 \\ +2 \\ \hline 7 \end{array} \quad \begin{array}{r} 19.4 \\ +8 \\ \hline 3 \end{array} \quad \begin{array}{r} 20.5 \\ +3 \\ \hline 7 \end{array} \quad \begin{array}{r} 21.9 \\ +5 \\ \hline 1 \end{array} \quad \begin{array}{r} 22.3 \\ +3 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 23.8 \\ +1 \\ \hline 4 \end{array} \quad \begin{array}{r} 24.6 \\ +7 \\ \hline 8 \end{array} \quad \begin{array}{r} 25.5 \\ +2 \\ \hline 4 \end{array} \quad \begin{array}{r} 26.8 \\ +3 \\ \hline 5 \end{array} \quad \begin{array}{r} 27.6 \\ +1 \\ \hline 8 \end{array} \quad \begin{array}{r} 28.4 \\ +3 \\ \hline 6 \end{array} \quad \begin{array}{r} 29.6 \\ +5 \\ \hline 8 \end{array}$$

<b>30. 2</b>	<b>31. 3</b>	<b>32. 4</b>	<b>33. 1</b>	<b>34. 9</b>	<b>35. 8</b>	<b>36. 8</b>
+8	+1	+7	+3	+3	+3	+1
6	9	9	6	4	7	6
<u>7</u>	<u>5</u>	<u>2</u>	<u>5</u>	<u>2</u>	<u>4</u>	<u>7</u>

<b>37. 5</b>	<b>38. 6</b>	<b>39. 3</b>	<b>40. 5</b>	<b>41. 2</b>	<b>42. 4</b>	<b>43. 4</b>
+6	+5	+6	+5	+4	+2	+3
3	8	5	7	8	2	6
<u>8</u>	<u>4</u>	<u>7</u>	<u>4</u>	<u>5</u>	<u>9</u>	<u>8</u>

<b>44. 1</b>	<b>45. 2</b>	<b>46. 5</b>	<b>47. 4</b>	<b>48. 5</b>	<b>49. 2</b>	<b>50. 1</b>
6	4	3	2	5	3	6
5	3	1	2	2	4	2
3	6	4	9	5	1	5
<u>+4</u>	<u>+5</u>	<u>+9</u>	<u>+5</u>	<u>+6</u>	<u>+7</u>	<u>+8</u>

## Addition of Larger Numbers

**Adding figures with more than one digit is exactly like adding one-place numbers. First add the numerals in the ones' place (the first digit on the right). Then add the numerals in the tens' place, and the hundreds' place.**

$$\begin{array}{r} 1. 633 \\ +264 \\ \hline \end{array} \quad \begin{array}{r} 2. 144 \\ +650 \\ \hline \end{array} \quad \begin{array}{r} 3. 337 \\ +242 \\ \hline \end{array} \quad \begin{array}{r} 4. 455 \\ +324 \\ \hline \end{array} \quad \begin{array}{r} 5. 382 \\ +17 \\ \hline \end{array} \quad \begin{array}{r} 6. 447 \\ +32 \\ \hline \end{array}$$

$$\begin{array}{r} 7. 507 \\ +421 \\ \hline \end{array} \quad \begin{array}{r} 8. 35 \\ +64 \\ \hline \end{array} \quad \begin{array}{r} 9. 432 \\ +345 \\ \hline \end{array} \quad \begin{array}{r} 10. 720 \\ +250 \\ \hline \end{array} \quad \begin{array}{r} 11. 630 \\ +307 \\ \hline \end{array} \quad \begin{array}{r} 12. 55 \\ +24 \\ \hline \end{array}$$

$$\begin{array}{r} 13. 2,435 \\ +2,797 \\ \hline \end{array} \quad \begin{array}{r} 14. 5,856 \\ +3,934 \\ \hline \end{array} \quad \begin{array}{r} 15. 2,648 \\ +2,476 \\ \hline \end{array} \quad \begin{array}{r} 16. 2,837 \\ +1,648 \\ \hline \end{array}$$

$$\begin{array}{r} 17. 3,764 \\ +2,346 \\ \hline \end{array} \quad \begin{array}{r} 18. 9,765 \\ +2,812 \\ \hline \end{array} \quad \begin{array}{r} 19. 8,263 \\ +2,976 \\ \hline \end{array} \quad \begin{array}{r} 20. 3,745 \\ +7,253 \\ \hline \end{array}$$

## Subtraction

Subtraction is the opposite of addition. It means to **take from**. Find the differences.

$$\begin{array}{r} 1. 7 \\ -5 \\ \hline \end{array} \quad \begin{array}{r} 2. 9 \\ -2 \\ \hline \end{array} \quad \begin{array}{r} 3. 4 \\ -2 \\ \hline \end{array} \quad \begin{array}{r} 4. 7 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 5. 8 \\ -6 \\ \hline \end{array} \quad \begin{array}{r} 6. 3 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 7. 7 \\ -2 \\ \hline \end{array} \quad \begin{array}{r} 8. 5 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 9. 5 \\ -2 \\ \hline \end{array} \quad \begin{array}{r} 10. 6 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 11. 6 \\ -5 \\ \hline \end{array} \quad \begin{array}{r} 12. 2 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 13. 8 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 14. 4 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 15. 7 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 16. 26 \\ -7 \\ \hline \end{array} \quad \begin{array}{r} 17. 47 \\ -4 \\ \hline \end{array} \quad \begin{array}{r} 18. 73 \\ -8 \\ \hline \end{array} \quad \begin{array}{r} 19. 85 \\ -9 \\ \hline \end{array} \quad \begin{array}{r} 20. 34 \\ -2 \\ \hline \end{array} \quad \begin{array}{r} 21. 95 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 22. 63 \\ -4 \\ \hline \end{array} \quad \begin{array}{r} 23. 15 \\ -7 \\ \hline \end{array} \quad \begin{array}{r} 24. 74 \\ -6 \\ \hline \end{array} \quad \begin{array}{r} 25. 16 \\ -5 \\ \hline \end{array} \quad \begin{array}{r} 26. 36 \\ -9 \\ \hline \end{array} \quad \begin{array}{r} 27. 56 \\ -2 \\ \hline \end{array}$$

## Subtraction Larger Numbers

$$\begin{array}{r} 1. \quad 300 \\ - 118 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 560 \\ - 398 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 90 \\ - 11 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 500 \\ - 34 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 911 \\ - 39 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 771 \\ - 88 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 814 \\ - 458 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 720 \\ - 67 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 831 \\ - 98 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 592 \\ - 458 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 430 \\ - 227 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 60 \\ - 18 \\ \hline \end{array}$$

# Multiplication

This year you will be expected to solve 20 basic fact problems in 1 minute. Practice hard. 😊 Speed IS important, but accuracy is even more important.

1.  $7 \times 9 =$

2.  $8 \times 2 =$

3.  $9 \times 4 =$

4.  $7 \times 7 =$

5.  $5 \times 6 =$

6.  $12 \times 6 =$

7.  $6 \times 7 =$

8.  $2 \times 9 =$

9.  $8 \times 3 =$

10.  $8 \times 4 =$

11.  $4 \times 7 =$

12.  $6 \times 4 =$

13.  $9 \times 8 =$

14.  $12 \times 3 =$

15.  $8 \times 8 =$

16.  $4 \times 10 =$

17.  $0 \times 5 =$

18.  $9 \times 1 =$

19.  $8 \times 6 =$

20.  $3 \times 9 =$

21.  $8 \times 7 =$

22.  $10 \times 10 =$

23.  $5 \times 11 =$

24.  $11 \times 8 =$

25.  $12 \times 9 =$

26.  $3 \times 11 =$

27.  $9 \times 5 =$

28.  $6 \times 6 =$

29.  $2 \times 12 =$

30.  $3 \times 3 =$

## Division

This year you will be expected to solve 20 basic fact problems in 1 minute. Practice hard. 😊 Speed IS important, but accuracy is even more important.

1.  $6 \div 2 =$

2.  $21 \div 7 =$

3.  $96 \div 8 =$

4.  $24 \div 4 =$

5.  $12 \div 2 =$

6.  $33 \div 3 =$

7.  $72 \div 9 =$

8.  $24 \div 2 =$

9.  $55 \div 11 =$

10.  $20 \div 4 =$

11.  $0 \div 2 =$

12.  $25 \div 5 =$

13.  $32 \div 8 =$

14.  $9 \div 9 =$

15.  $60 \div 12 =$

16.  $50 \div 5 =$

17.  $16 \div 4 =$

18.  $10 \div 1 =$

19.  $36 \div 12 =$

20.  $48 \div 8 =$

21.  $18 \div 9 =$

22.  $66 \div 6 =$

23.  $27 \div 3 =$

24.  $40 \div 5 =$

25.  $60 \div 6 =$

26.  $44 \div 11 =$

27.  $144 \div 12 =$

28.  $84 \div 12 =$

29.  $77 \div 7 =$

30.  $108 \div 12 =$

# Multiplication of 2 and 3 digits by 1 digit

## Step by Step

$$\begin{array}{r} 4\ 1 \\ 193 \\ \times 5 \\ \hline 965 \end{array}$$

1. Multiply 5 (ones) times 3 (ones) to equal 15 (1 ten and 5 ones).
2. Write the 5 below the line (in the ones place) and regroup by carrying 1 (ten) above the tens column.
3. Multiply 5 (ones) times 9 (tens) to equal 45 (tens).
4. Add the 1 (ten) that was carried over from the ones column to the 45 (tens) to equal 46. Write the 6 below the line (in the tens place) and regroup by carrying the 4 (hundreds) above the hundreds column.
5. Multiply 5 times 1 (hundred) to equal 5 (hundreds).
6. Add the regrouped 4 (hundreds) to the 5 (hundreds) to equal 9 hundreds.
7. The answer is 965.

1.  $\begin{array}{r} 51 \\ \times 7 \\ \hline \end{array}$

2.  $\begin{array}{r} 76 \\ \times 4 \\ \hline \end{array}$

3.  $\begin{array}{r} 133 \\ \times 2 \\ \hline \end{array}$

4.  $\begin{array}{r} 63 \\ \times 9 \\ \hline \end{array}$

5.  $\begin{array}{r} 233 \\ \times 3 \\ \hline \end{array}$

6.  $\begin{array}{r} 623 \\ \times 2 \\ \hline \end{array}$

# Multiplication of 2 and 3 digits by 2 digits

## Step by Step

$$\begin{array}{r} 409 \\ \times 38 \\ \hline 3,272 \\ + 12,270 \\ \hline 15,542 \end{array}$$

1. Multiply 409 times 8 which equals 3,272. (see directions on previous page for multiplying 3 digits by 1 digit).
2. Place an automatic zero (placeholder – bolded above) in the ones place when multiplying 409 times 3 (tens) which equals (12,270).
3. Add the two partial products ( $3,272 + 12,270 = 15,542$ ). Don't forget to add a comma every three digits starting from the ones place.

1.  $\begin{array}{r} 108 \\ \times 25 \\ \hline \end{array}$

2.  $\begin{array}{r} 304 \\ \times 39 \\ \hline \end{array}$

3.  $\begin{array}{r} 107 \\ \times 12 \\ \hline \end{array}$

4.  $\begin{array}{r} 231 \\ \times 78 \\ \hline \end{array}$

5.  $\begin{array}{r} 233 \\ \times 18 \\ \hline \end{array}$

6.  $\begin{array}{r} 623 \\ \times 22 \\ \hline \end{array}$

# Place Value and Rounding

Write the value of the underlined number. (Example: The value of the 2 in 3,245 is 200).

3,592 \_\_\_\_\_

53,432 \_\_\_\_\_

3,803,293 \_\_\_\_\_

Write the following numbers in expanded form. (Example: 125 in expanded form is  $100 + 20 + 5$ )

3,592  
\_\_\_\_\_  
\_\_\_\_\_

52,319  
\_\_\_\_\_  
\_\_\_\_\_

3,392,184  
\_\_\_\_\_  
\_\_\_\_\_

Write the following numbers in word form.

43,072  
\_\_\_\_\_  
\_\_\_\_\_

843,391  
\_\_\_\_\_  
\_\_\_\_\_

Round the following numbers to the nearest 10, 100, and 1,000.

	<b>Nearest 10</b>	<b>Nearest 100</b>	<b>Nearest 1,000</b>
<b>4,329</b>			
<b>63,493</b>			
<b>70,982</b>			

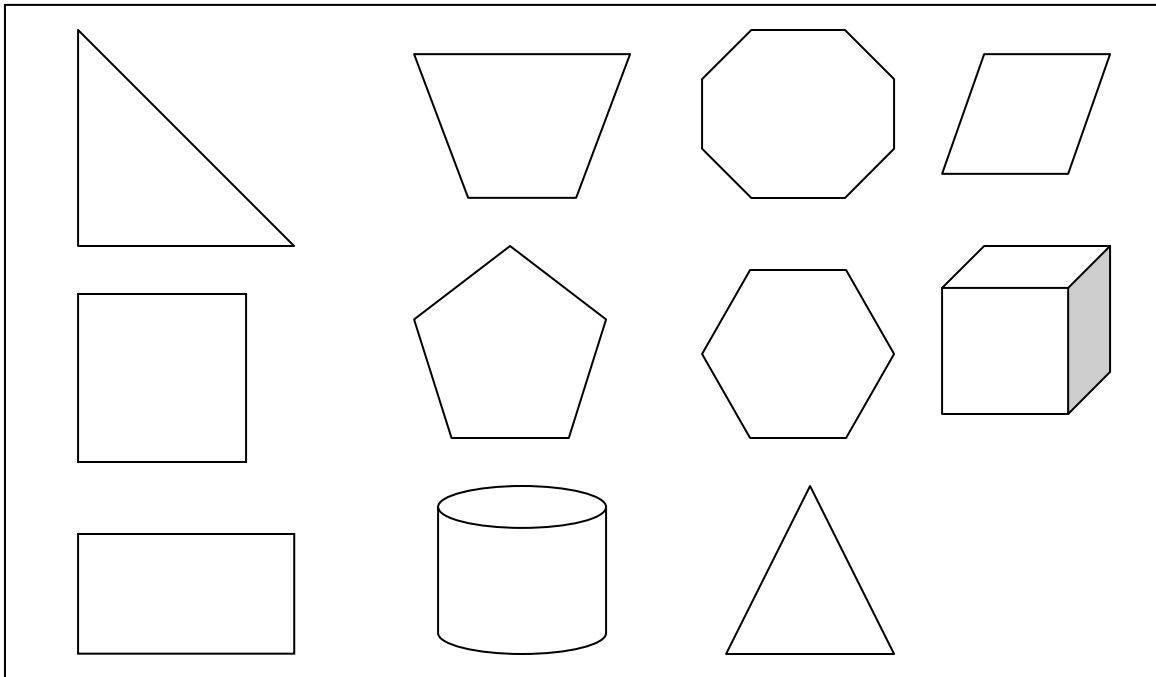
# Geometry

Use the word list below to identify each polygon or solid figure.

Trapezoid  
Hexagon  
Parallelogram  
Isosceles Triangle

Cylinder  
Pentagon  
Octagon  
Right Triangle

Square  
Rectangle  
Cube



# Fractional Models

Draw a model to represent each fraction given below:

$$\frac{1}{2}$$

$$\frac{1}{4}$$

$$\frac{3}{4}$$

$$\frac{1}{5}$$

$$\frac{2}{3}$$

$$\frac{7}{8}$$

