

Name: \_\_\_\_\_

### Rising 4th Grader Summer Work

Congratulations and happy summer! Please find below details of your summer work, **due on the first day of school: Sept. 2, 2025. Please complete all assignments to the best of your ability.** Email me with any questions at [jedwards@shshampton.org](mailto:jedwards@shshampton.org).

#### Math

##### Must Do

1. Cut out the attached fact triangles for multiplication and division and **practice at least once a week throughout the summer for about 20 minutes.** Follow the directions on the page attached to the fact triangles to best use this resource for building fact fluency. **Keep your fact triangles at home to use throughout the school year.**
2. Complete the attached math work pages. For the Multiplication and Division facts practice pages, **time yourself and see how long it takes you to complete each page. Record the time on the bottom.** What do you notice about how long you spend on the pages?

##### May Do

3. Additional math worksheets are available online at the Sacred Heart School website in the Summer Work tab under Student Life. Completing these is highly recommended to practice these essential skills.
4. Work on the IXL Summer Boost skill plan - Math 4th grade (<https://www.ixl.com/math/skill-plans/ixl-summer-boost-grade-4>). Student logins are attached to their summer work folder.

#### Reading/Writing/Grammar

##### Must Do

1. Read any book of your choice and complete the attached quilt square following the directions on the page.

##### May Do

2. Proofread the articles you find online at the Sacred Heart School website in the Summer Work section under Student Life. Use the proofreading key at the bottom of the page. **Answer the comprehension questions using complete sentences.**

#### Handwriting/Religion

1. Rewrite the prayers attached to the packet **in cursive.** A cursive alphabet has been attached for your reference and lined paper for you to use, or you can use your own. This will be an opportunity to familiarize yourself with the prayers we will use throughout the school year and practice your cursive skills.

Have a wonderful summer! I look forward to meeting you in the Fall!

Sincerely,

Ms. Edwards

## Rubrics

### Math

|                                   |     |
|-----------------------------------|-----|
| Math pages completed              | /17 |
| Times written on math facts pages | /13 |
| Math pages completed correctly    | /17 |
| Total                             | /47 |

### Handwriting/Religion

|                              |     |
|------------------------------|-----|
| All prayers written          | /9  |
| Writing is in neat cursive   | /1  |
| Correct spelling and grammar | /2  |
| Total                        | /12 |

### Bonus

|                                          |    |
|------------------------------------------|----|
| Math pages completed                     | /1 |
| Math pages completed correctly           | /1 |
| Articles proofread                       | /1 |
| Questions answered in complete sentences | /1 |
| Proofreading and answers are correct     | /1 |

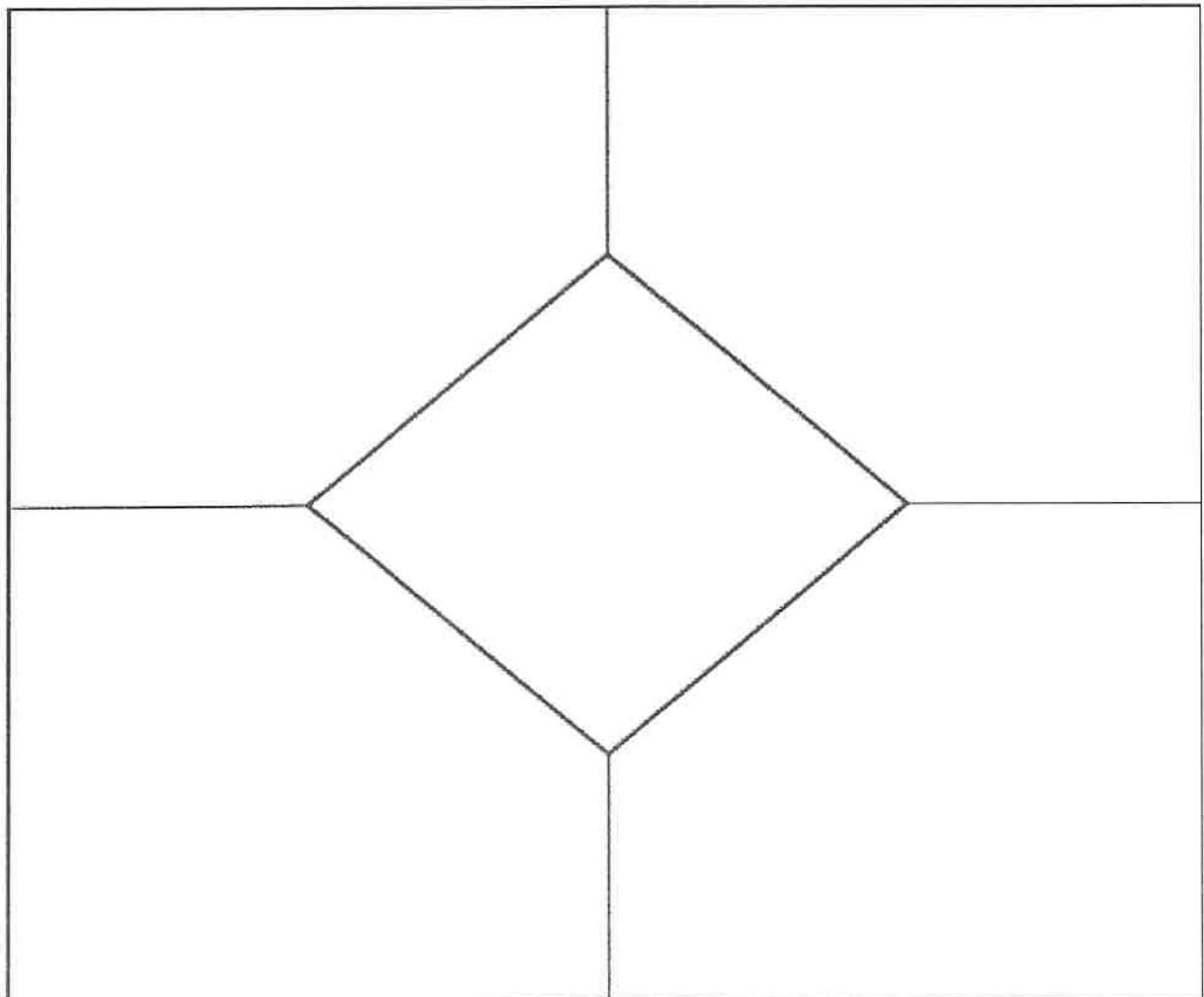
### Quilt Square

|                                                                                                                            |     |
|----------------------------------------------------------------------------------------------------------------------------|-----|
| Title of book written in the center of the square and underlined                                                           | /3  |
| Author of book and your name written in the center of the square                                                           | /3  |
| Main character named and drawn in the top right hand corner of the square                                                  | /3  |
| One setting drawn with at least three details from the book in the top left hand corner of the square                      | /3  |
| Theme/lesson/moral explained in one complete sentence in the bottom left hand corner of the square                         | /2  |
| Theme is a life lesson from the book that can apply to your life and explained in one complete sentence                    | /1  |
| Drawing of your favorite scene and one sentence caption of what is happening in the bottom right hand corner of the square | /3  |
| Writing is neat. Correct spelling and grammar.                                                                             | /2  |
| Drawing is neat and colored                                                                                                | /2  |
| Total                                                                                                                      | /22 |

## Quilt Square

Read any book of your choice then complete the quilt square following these directions:

1. In the **center**, put the title. **Underline the title.** Write the author's name and your name.
2. In the **top right corner**, draw a picture of the **main character** and **write his or her name.** *Think: what is a main character? How did you know this character (and not any of the other characters) was the main character?*
3. In the **top left corner**, draw a picture of **one** of the **settings** in your book. Draw it as you imagined it while **including at least three details from the book itself.**
4. In the **bottom left corner**, write a **theme or moral** in the book. It should be **a lesson you and/or the character learned that you can apply in your own life** (examples: don't judge someone based on appearances, bad things don't last forever, accept others' differences, the power of friendship/ teamwork, be honest, help those in need, appreciate what you have while you have it, love what makes you unique, it's okay to ask for help, with great power comes great responsibility). **Describe the theme in the part of the quilt in one sentence.**
5. In the **bottom right corner**, draw your **favorite scene** from the book and a **one sentence caption explaining what is happening.** *Think: why was this your favorite part? How was it important to the story?*





## Handwriting/Religion

Write the following prayers **in cursive** on the included paper or any lined paper of your choice. A cursive alphabet is at the bottom of the next page for your reference. Please make sure your writing is legible and your best.

### Sign of the Cross

In the name of the Father, and of the Son,  
and of the Holy Spirit. Amen.

### Our Father

Our Father, who art in heaven, hallowed  
be thy name; thy kingdom come, thy will  
be done, on earth as it is in heaven. Give  
us this day our daily bread and forgive us  
our trespasses, as we forgive those who  
trespass against us and lead us not into  
temptation, but deliver us from evil.

Amen.

### Hail Mary

Hail Mary, full of grace, the Lord is with  
thee. Blessed art thou among women and  
blessed is the fruit of thy womb, Jesus.  
Holy Mary, mother of God, pray for us  
sinners now and at the hour of our death.

Amen.

### Act of Contrition

O my God, I am heartily sorry for having  
offended you. I detest all my sins because  
of your just punishment, but most of all  
because they offend you, my God, who are  
all good and deserving of all my love. I  
firmly resolve, with the help of your grace,  
to sin no more, and to avoid whatever  
leads me to sin. Amen.

### Apostles' Creed

I believe in God, the Father almighty,  
creator of heaven and earth, and in Jesus  
Christ, his only Son, our Lord, who was  
conceived by the Holy Spirit, born of the  
Virgin Mary, suffered under Pontius  
Pilate, was crucified, died, and was buried.

He descended into hell; the third day he  
rose again from the dead; he ascended into  
heaven and is seated at the right hand of  
the Father; from thence he shall come to  
judge the living and the dead. I believe in  
the Holy Spirit, the holy Catholic Church,  
the communion of saints, the forgiveness  
of sins, the resurrection of the body, and  
life everlasting. Amen.

Prayer to Saint Michael the Archangel  
St. Michael the Archangel, defend us in  
battle; be our defense against the  
wickedness and snares of the devil. May  
God rebuke him, we humbly pray, and do  
thou, O prince of the heavenly host, by the  
power of God, thrust into hell Satan and  
all the other evil spirits who prowl about  
the world seeking the ruin of souls. Amen.

### Prayer Before Meals

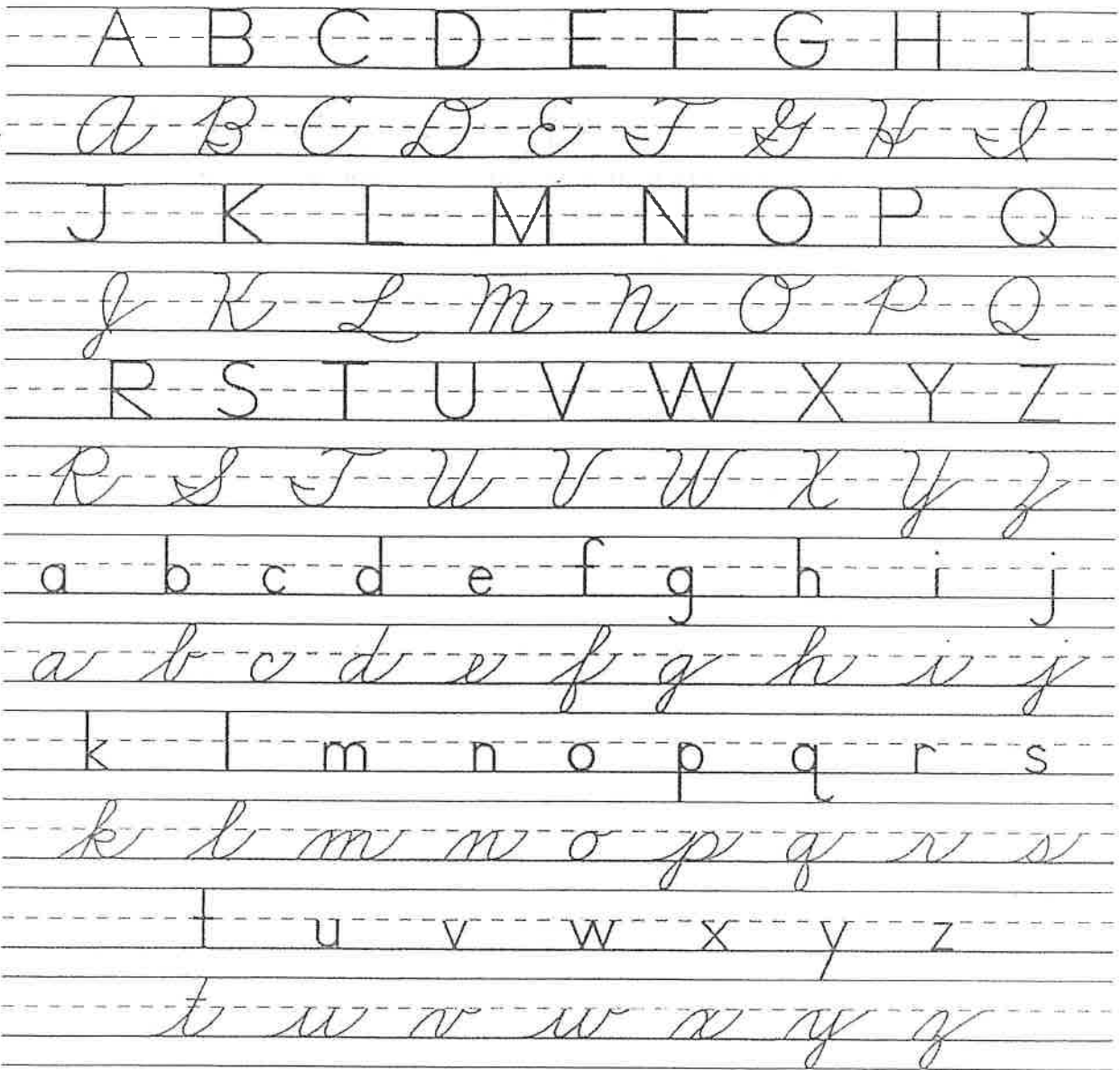
Bless us O Lord, and these thy gifts,  
which we are about to receive, from thy  
bounty, through Christ, our Lord. Amen.

Come, Holy Spirit

Come, Holy Spirit, fill the hearts of your faithful. Enkindle in us the fire of your divine love. Send forth O Lord your Holy Spirit, and our hearts will be refreshed. And you shall renew the face of the earth.  
Amen.

Glory Be

Glory be to the Father, and to the Son, and to the Holy Spirit. As it was in the beginning, is now, and ever shall be, world without end. Amen.



# Multiplication Tables 1 to 12

## 1x

|   |   |    |   |    |
|---|---|----|---|----|
| 1 | x | 1  | = | 1  |
| 1 | x | 2  | = | 2  |
| 1 | x | 3  | = | 3  |
| 1 | x | 4  | = | 4  |
| 1 | x | 5  | = | 5  |
| 1 | x | 6  | = | 6  |
| 1 | x | 7  | = | 7  |
| 1 | x | 8  | = | 8  |
| 1 | x | 9  | = | 9  |
| 1 | x | 10 | = | 10 |
| 1 | x | 11 | = | 11 |
| 1 | x | 12 | = | 12 |

## 2x

|   |   |    |   |    |
|---|---|----|---|----|
| 2 | x | 1  | = | 2  |
| 2 | x | 2  | = | 4  |
| 2 | x | 3  | = | 6  |
| 2 | x | 4  | = | 8  |
| 2 | x | 5  | = | 10 |
| 2 | x | 6  | = | 12 |
| 2 | x | 7  | = | 14 |
| 2 | x | 8  | = | 16 |
| 2 | x | 9  | = | 18 |
| 2 | x | 10 | = | 20 |
| 2 | x | 11 | = | 22 |
| 2 | x | 12 | = | 24 |

## 3x

|   |   |    |   |    |
|---|---|----|---|----|
| 3 | x | 1  | = | 3  |
| 3 | x | 2  | = | 6  |
| 3 | x | 3  | = | 9  |
| 3 | x | 4  | = | 12 |
| 3 | x | 5  | = | 15 |
| 3 | x | 6  | = | 18 |
| 3 | x | 7  | = | 21 |
| 3 | x | 8  | = | 24 |
| 3 | x | 9  | = | 27 |
| 3 | x | 10 | = | 30 |
| 3 | x | 11 | = | 33 |
| 3 | x | 12 | = | 36 |

## 4x

|   |   |    |   |    |
|---|---|----|---|----|
| 4 | x | 1  | = | 4  |
| 4 | x | 2  | = | 8  |
| 4 | x | 3  | = | 12 |
| 4 | x | 4  | = | 16 |
| 4 | x | 5  | = | 20 |
| 4 | x | 6  | = | 24 |
| 4 | x | 7  | = | 28 |
| 4 | x | 8  | = | 32 |
| 4 | x | 9  | = | 36 |
| 4 | x | 10 | = | 40 |
| 4 | x | 11 | = | 44 |
| 4 | x | 12 | = | 48 |

## 5x

|   |   |    |   |    |
|---|---|----|---|----|
| 5 | x | 1  | = | 5  |
| 5 | x | 2  | = | 10 |
| 5 | x | 3  | = | 15 |
| 5 | x | 4  | = | 20 |
| 5 | x | 5  | = | 25 |
| 5 | x | 6  | = | 30 |
| 5 | x | 7  | = | 35 |
| 5 | x | 8  | = | 40 |
| 5 | x | 9  | = | 45 |
| 5 | x | 10 | = | 50 |
| 5 | x | 11 | = | 55 |
| 5 | x | 12 | = | 60 |

## 6x

|   |   |    |   |    |
|---|---|----|---|----|
| 6 | x | 1  | = | 6  |
| 6 | x | 2  | = | 12 |
| 6 | x | 3  | = | 18 |
| 6 | x | 4  | = | 24 |
| 6 | x | 5  | = | 30 |
| 6 | x | 6  | = | 36 |
| 6 | x | 7  | = | 42 |
| 6 | x | 8  | = | 48 |
| 6 | x | 9  | = | 54 |
| 6 | x | 10 | = | 60 |
| 6 | x | 11 | = | 66 |
| 6 | x | 12 | = | 72 |

## 7x

|   |   |    |   |    |
|---|---|----|---|----|
| 7 | x | 1  | = | 7  |
| 7 | x | 2  | = | 14 |
| 7 | x | 3  | = | 21 |
| 7 | x | 4  | = | 28 |
| 7 | x | 5  | = | 35 |
| 7 | x | 6  | = | 42 |
| 7 | x | 7  | = | 49 |
| 7 | x | 8  | = | 56 |
| 7 | x | 9  | = | 63 |
| 7 | x | 10 | = | 70 |
| 7 | x | 11 | = | 77 |
| 7 | x | 12 | = | 84 |

## 8x

|   |   |    |   |    |
|---|---|----|---|----|
| 8 | x | 1  | = | 8  |
| 8 | x | 2  | = | 16 |
| 8 | x | 3  | = | 24 |
| 8 | x | 4  | = | 32 |
| 8 | x | 5  | = | 40 |
| 8 | x | 6  | = | 48 |
| 8 | x | 7  | = | 56 |
| 8 | x | 8  | = | 64 |
| 8 | x | 9  | = | 72 |
| 8 | x | 10 | = | 80 |
| 8 | x | 11 | = | 88 |
| 8 | x | 12 | = | 96 |

## 9x

|   |   |    |   |     |
|---|---|----|---|-----|
| 9 | x | 1  | = | 9   |
| 9 | x | 2  | = | 18  |
| 9 | x | 3  | = | 27  |
| 9 | x | 4  | = | 36  |
| 9 | x | 5  | = | 45  |
| 9 | x | 6  | = | 54  |
| 9 | x | 7  | = | 63  |
| 9 | x | 8  | = | 72  |
| 9 | x | 9  | = | 81  |
| 9 | x | 10 | = | 90  |
| 9 | x | 11 | = | 99  |
| 9 | x | 12 | = | 108 |

## 10x

|    |   |    |   |     |
|----|---|----|---|-----|
| 10 | x | 1  | = | 10  |
| 10 | x | 2  | = | 20  |
| 10 | x | 3  | = | 30  |
| 10 | x | 4  | = | 40  |
| 10 | x | 5  | = | 50  |
| 10 | x | 6  | = | 60  |
| 10 | x | 7  | = | 70  |
| 10 | x | 8  | = | 80  |
| 10 | x | 9  | = | 90  |
| 10 | x | 10 | = | 100 |
| 10 | x | 11 | = | 110 |
| 10 | x | 12 | = | 120 |

## 11x

|    |   |    |   |     |
|----|---|----|---|-----|
| 11 | x | 1  | = | 11  |
| 11 | x | 2  | = | 22  |
| 11 | x | 3  | = | 33  |
| 11 | x | 4  | = | 44  |
| 11 | x | 5  | = | 55  |
| 11 | x | 6  | = | 66  |
| 11 | x | 7  | = | 77  |
| 11 | x | 8  | = | 88  |
| 11 | x | 9  | = | 99  |
| 11 | x | 10 | = | 110 |
| 11 | x | 11 | = | 121 |
| 11 | x | 12 | = | 132 |

## 12x

|    |   |    |   |     |
|----|---|----|---|-----|
| 12 | x | 1  | = | 12  |
| 12 | x | 2  | = | 24  |
| 12 | x | 3  | = | 36  |
| 12 | x | 4  | = | 48  |
| 12 | x | 5  | = | 60  |
| 12 | x | 6  | = | 72  |
| 12 | x | 7  | = | 84  |
| 12 | x | 8  | = | 96  |
| 12 | x | 9  | = | 108 |
| 12 | x | 10 | = | 120 |
| 12 | x | 11 | = | 132 |
| 12 | x | 12 | = | 144 |

Name: \_\_\_\_\_

# Multiplication

Date: \_\_\_\_/\_\_\_\_/\_\_\_\_ Practice with 0's and 1's Find the product.



1.

$$\begin{array}{r} 10 \\ \times 0 \\ \hline \end{array}$$

2.

$$\begin{array}{r} 3 \\ \times 1 \\ \hline \end{array}$$

3.

$$\begin{array}{r} 0 \\ \times 0 \\ \hline \end{array}$$

4.

$$\begin{array}{r} 3 \\ \times 0 \\ \hline \end{array}$$

5.

$$\begin{array}{r} 6 \\ \times 1 \\ \hline \end{array}$$

6.

$$\begin{array}{r} 12 \\ \times 1 \\ \hline \end{array}$$

7.

$$\begin{array}{r} 8 \\ \times 0 \\ \hline \end{array}$$

8.

$$\begin{array}{r} 7 \\ \times 0 \\ \hline \end{array}$$

9.

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

10.

$$\begin{array}{r} 1 \\ \times 0 \\ \hline \end{array}$$

11.

$$\begin{array}{r} 8 \\ \times 1 \\ \hline \end{array}$$

12.

$$\begin{array}{r} 2 \\ \times 0 \\ \hline \end{array}$$

13.

$$\begin{array}{r} 11 \\ \times 0 \\ \hline \end{array}$$

14.

$$\begin{array}{r} 11 \\ \times 1 \\ \hline \end{array}$$

15.

$$\begin{array}{r} 2 \\ \times 1 \\ \hline \end{array}$$

16.

$$\begin{array}{r} 5 \\ \times 0 \\ \hline \end{array}$$

17.

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

18.

$$\begin{array}{r} 6 \\ \times 0 \\ \hline \end{array}$$

19.

$$\begin{array}{r} 1 \\ \times 1 \\ \hline \end{array}$$

20.

$$\begin{array}{r} 0 \\ \times 1 \\ \hline \end{array}$$

21.

$$\begin{array}{r} 10 \\ \times 1 \\ \hline \end{array}$$

22.

$$\begin{array}{r} 9 \\ \times 1 \\ \hline \end{array}$$

23.

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

24.

$$\begin{array}{r} 12 \\ \times 0 \\ \hline \end{array}$$

25.

$$\begin{array}{r} 4 \\ \times 0 \\ \hline \end{array}$$

26.

$$\begin{array}{r} 9 \\ \times 0 \\ \hline \end{array}$$

27.

$$\begin{array}{r} 12 \\ \times 1 \\ \hline \end{array}$$

28.

$$\begin{array}{r} 12 \\ \times 0 \\ \hline \end{array}$$

29.

$$\begin{array}{r} 0 \\ \times 1 \\ \hline \end{array}$$

30.

$$\begin{array}{r} 3 \\ \times 1 \\ \hline \end{array}$$

31.

$$\begin{array}{r} 12 \\ \times 0 \\ \hline \end{array}$$

32.

$$\begin{array}{r} 2 \\ \times 0 \\ \hline \end{array}$$

33.

$$\begin{array}{r} 12 \\ \times 1 \\ \hline \end{array}$$

34.

$$\begin{array}{r} 12 \\ \times 0 \\ \hline \end{array}$$

35.

$$\begin{array}{r} 6 \\ \times 0 \\ \hline \end{array}$$

36.

$$\begin{array}{r} 0 \\ \times 1 \\ \hline \end{array}$$

37.

$$\begin{array}{r} 11 \\ \times 0 \\ \hline \end{array}$$

38.

$$\begin{array}{r} 10 \\ \times 0 \\ \hline \end{array}$$

39.

$$\begin{array}{r} 4 \\ \times 0 \\ \hline \end{array}$$

40.

$$\begin{array}{r} 0 \\ \times 0 \\ \hline \end{array}$$

Score

/40

Name: \_\_\_\_\_

# Multiplication

Date: \_\_\_\_/\_\_\_\_/\_\_\_\_ Practice with 0's and 1's Find the product.



1. 
$$\begin{array}{r} 0 \\ 10 \\ \times 10 \\ \hline \end{array}$$
2. 
$$\begin{array}{r} 0 \\ 6 \\ \times 6 \\ \hline \end{array}$$
3. 
$$\begin{array}{r} 1 \\ 1 \\ \times 1 \\ \hline \end{array}$$
4. 
$$\begin{array}{r} 0 \\ 9 \\ \times 9 \\ \hline \end{array}$$
5. 
$$\begin{array}{r} 0 \\ 3 \\ \times 3 \\ \hline \end{array}$$
6. 
$$\begin{array}{r} 0 \\ 0 \\ \times 0 \\ \hline \end{array}$$
7. 
$$\begin{array}{r} 0 \\ 5 \\ \times 5 \\ \hline \end{array}$$
8. 
$$\begin{array}{r} 0 \\ 7 \\ \times 7 \\ \hline \end{array}$$
9. 
$$\begin{array}{r} 1 \\ 3 \\ \times 3 \\ \hline \end{array}$$
10. 
$$\begin{array}{r} 1 \\ 9 \\ \times 9 \\ \hline \end{array}$$
11. 
$$\begin{array}{r} 0 \\ 11 \\ \times 11 \\ \hline \end{array}$$
12. 
$$\begin{array}{r} 1 \\ 10 \\ \times 10 \\ \hline \end{array}$$
13. 
$$\begin{array}{r} 0 \\ 12 \\ \times 12 \\ \hline \end{array}$$
14. 
$$\begin{array}{r} 1 \\ 4 \\ \times 4 \\ \hline \end{array}$$
15. 
$$\begin{array}{r} 0 \\ 2 \\ \times 2 \\ \hline \end{array}$$
16. 
$$\begin{array}{r} 1 \\ 12 \\ \times 12 \\ \hline \end{array}$$
17. 
$$\begin{array}{r} 1 \\ 2 \\ \times 2 \\ \hline \end{array}$$
18. 
$$\begin{array}{r} 0 \\ 8 \\ \times 8 \\ \hline \end{array}$$
19. 
$$\begin{array}{r} 0 \\ 4 \\ \times 4 \\ \hline \end{array}$$
20. 
$$\begin{array}{r} 1 \\ 0 \\ \times 0 \\ \hline \end{array}$$
21. 
$$\begin{array}{r} 1 \\ 8 \\ \times 8 \\ \hline \end{array}$$
22. 
$$\begin{array}{r} 1 \\ 11 \\ \times 11 \\ \hline \end{array}$$
23. 
$$\begin{array}{r} 0 \\ 1 \\ \times 1 \\ \hline \end{array}$$
24. 
$$\begin{array}{r} 1 \\ 5 \\ \times 5 \\ \hline \end{array}$$
25. 
$$\begin{array}{r} 1 \\ 7 \\ \times 7 \\ \hline \end{array}$$
26. 
$$\begin{array}{r} 1 \\ 6 \\ \times 6 \\ \hline \end{array}$$
27. 
$$\begin{array}{r} 1 \\ 0 \\ \times 0 \\ \hline \end{array}$$
28. 
$$\begin{array}{r} 0 \\ 10 \\ \times 10 \\ \hline \end{array}$$
29. 
$$\begin{array}{r} 0 \\ 6 \\ \times 6 \\ \hline \end{array}$$
30. 
$$\begin{array}{r} 0 \\ 5 \\ \times 5 \\ \hline \end{array}$$
31. 
$$\begin{array}{r} 0 \\ 10 \\ \times 10 \\ \hline \end{array}$$
32. 
$$\begin{array}{r} 0 \\ 5 \\ \times 5 \\ \hline \end{array}$$
33. 
$$\begin{array}{r} 0 \\ 0 \\ \times 0 \\ \hline \end{array}$$
34. 
$$\begin{array}{r} 0 \\ 6 \\ \times 6 \\ \hline \end{array}$$
35. 
$$\begin{array}{r} 1 \\ 10 \\ \times 10 \\ \hline \end{array}$$
36. 
$$\begin{array}{r} 1 \\ 3 \\ \times 3 \\ \hline \end{array}$$
37. 
$$\begin{array}{r} 1 \\ 11 \\ \times 11 \\ \hline \end{array}$$
38. 
$$\begin{array}{r} 0 \\ 1 \\ \times 1 \\ \hline \end{array}$$
39. 
$$\begin{array}{r} 1 \\ 0 \\ \times 0 \\ \hline \end{array}$$
40. 
$$\begin{array}{r} 0 \\ 11 \\ \times 11 \\ \hline \end{array}$$

Score

/40

Name: \_\_\_\_\_

# Multiplication

Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Practice with 2's

Find the product.



1.

$$\begin{array}{r} 0 \\ \times 2 \\ \hline \end{array}$$

2.

$$\begin{array}{r} 1 \ 2 \\ \times \quad 2 \\ \hline \end{array}$$

3.

$$\begin{array}{r} 1 \ 1 \\ \times \quad 2 \\ \hline \end{array}$$

4.

$$\begin{array}{r} 1 \\ \times 2 \\ \hline \end{array}$$

5.

$$\begin{array}{r} 9 \\ \times 2 \\ \hline \end{array}$$

6.

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

7.

$$\begin{array}{r} 8 \\ \times 2 \\ \hline \end{array}$$

8.

$$\begin{array}{r} 5 \\ \times 2 \\ \hline \end{array}$$

9.

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

10.

$$\begin{array}{r} 7 \\ \times 2 \\ \hline \end{array}$$

11.

$$\begin{array}{r} 1 \ 0 \\ \times \quad 2 \\ \hline \end{array}$$

12.

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

13.

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

14.

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

15.

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

16.

$$\begin{array}{r} 1 \ 0 \\ \times \quad 2 \\ \hline \end{array}$$

17.

$$\begin{array}{r} 5 \\ \times 2 \\ \hline \end{array}$$

18.

$$\begin{array}{r} 1 \ 1 \\ \times \quad 2 \\ \hline \end{array}$$

19.

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

20.

$$\begin{array}{r} 7 \\ \times 2 \\ \hline \end{array}$$

21.

$$\begin{array}{r} 8 \\ \times 2 \\ \hline \end{array}$$

22.

$$\begin{array}{r} 9 \\ \times 2 \\ \hline \end{array}$$

23.

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

24.

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

25.

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

26.

$$\begin{array}{r} 9 \\ \times 2 \\ \hline \end{array}$$

27.

$$\begin{array}{r} 1 \ 2 \\ \times \quad 2 \\ \hline \end{array}$$

28.

$$\begin{array}{r} 1 \ 0 \\ \times \quad 2 \\ \hline \end{array}$$

29.

$$\begin{array}{r} 1 \ 0 \\ \times \quad 2 \\ \hline \end{array}$$

30.

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

31.

$$\begin{array}{r} 1 \ 1 \\ \times \quad 2 \\ \hline \end{array}$$

32.

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

33.

$$\begin{array}{r} 1 \\ \times 2 \\ \hline \end{array}$$

34.

$$\begin{array}{r} 1 \ 2 \\ \times \quad 2 \\ \hline \end{array}$$

35.

$$\begin{array}{r} 1 \ 1 \\ \times \quad 2 \\ \hline \end{array}$$

36.

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

37.

$$\begin{array}{r} 1 \ 1 \\ \times \quad 2 \\ \hline \end{array}$$

38.

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

39.

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

40.

$$\begin{array}{r} 5 \\ \times 2 \\ \hline \end{array}$$

Score

/40

Name: \_\_\_\_\_

# Multiplication

Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Practice with 3's

Find the product.



1. 
$$\begin{array}{r} 0 \\ \times 3 \\ \hline \end{array}$$
2. 
$$\begin{array}{r} 9 \\ \times 3 \\ \hline \end{array}$$
3. 
$$\begin{array}{r} 8 \\ \times 3 \\ \hline \end{array}$$
4. 
$$\begin{array}{r} 4 \\ \times 3 \\ \hline \end{array}$$
5. 
$$\begin{array}{r} 1 \\ \times 3 \\ \hline \end{array}$$
6. 
$$\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$$
7. 
$$\begin{array}{r} 7 \\ \times 3 \\ \hline \end{array}$$
8. 
$$\begin{array}{r} 10 \\ \times 3 \\ \hline \end{array}$$
9. 
$$\begin{array}{r} 12 \\ \times 3 \\ \hline \end{array}$$
10. 
$$\begin{array}{r} 6 \\ \times 3 \\ \hline \end{array}$$
11. 
$$\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$$
12. 
$$\begin{array}{r} 2 \\ \times 3 \\ \hline \end{array}$$
13. 
$$\begin{array}{r} 11 \\ \times 3 \\ \hline \end{array}$$
14. 
$$\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$$
15. 
$$\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$$
16. 
$$\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$$
17. 
$$\begin{array}{r} 4 \\ \times 3 \\ \hline \end{array}$$
18. 
$$\begin{array}{r} 2 \\ \times 3 \\ \hline \end{array}$$
19. 
$$\begin{array}{r} 4 \\ \times 3 \\ \hline \end{array}$$
20. 
$$\begin{array}{r} 8 \\ \times 3 \\ \hline \end{array}$$
21. 
$$\begin{array}{r} 2 \\ \times 3 \\ \hline \end{array}$$
22. 
$$\begin{array}{r} 9 \\ \times 3 \\ \hline \end{array}$$
23. 
$$\begin{array}{r} 4 \\ \times 3 \\ \hline \end{array}$$
24. 
$$\begin{array}{r} 8 \\ \times 3 \\ \hline \end{array}$$
25. 
$$\begin{array}{r} 2 \\ \times 3 \\ \hline \end{array}$$
26. 
$$\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$$
27. 
$$\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$$
28. 
$$\begin{array}{r} 11 \\ \times 3 \\ \hline \end{array}$$
29. 
$$\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$$
30. 
$$\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$$
31. 
$$\begin{array}{r} 2 \\ \times 3 \\ \hline \end{array}$$
32. 
$$\begin{array}{r} 6 \\ \times 3 \\ \hline \end{array}$$
33. 
$$\begin{array}{r} 6 \\ \times 3 \\ \hline \end{array}$$
34. 
$$\begin{array}{r} 10 \\ \times 3 \\ \hline \end{array}$$
35. 
$$\begin{array}{r} 12 \\ \times 3 \\ \hline \end{array}$$
36. 
$$\begin{array}{r} 10 \\ \times 3 \\ \hline \end{array}$$
37. 
$$\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$$
38. 
$$\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$$
39. 
$$\begin{array}{r} 8 \\ \times 3 \\ \hline \end{array}$$
40. 
$$\begin{array}{r} 7 \\ \times 3 \\ \hline \end{array}$$

Score

/40

Name: \_\_\_\_\_

# Multiplication

Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Practice with 4's

Find the product.



1.

$$\begin{array}{r} 0 \\ 4 \\ \times \\ \hline \end{array}$$

2.

$$\begin{array}{r} 7 \\ 4 \\ \times \\ \hline \end{array}$$

3.

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

4.

$$\begin{array}{r} 8 \\ 4 \\ \times \\ \hline \end{array}$$

5.

$$\begin{array}{r} 10 \\ 4 \\ \times \\ \hline \end{array}$$

6.

$$\begin{array}{r} 12 \\ 4 \\ \times \\ \hline \end{array}$$

7.

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

8.

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

9.

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

10.

$$\begin{array}{r} 11 \\ 4 \\ \times \\ \hline \end{array}$$

11.

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

12.

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

13.

$$\begin{array}{r} 6 \\ 4 \\ \times \\ \hline \end{array}$$

14.

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

15.

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

16.

$$\begin{array}{r} 11 \\ 4 \\ \times \\ \hline \end{array}$$

17.

$$\begin{array}{r} 8 \\ 4 \\ \times \\ \hline \end{array}$$

18.

$$\begin{array}{r} 10 \\ 4 \\ \times \\ \hline \end{array}$$

19.

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

20.

$$\begin{array}{r} 11 \\ 4 \\ \times \\ \hline \end{array}$$

21.

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

22.

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

23.

$$\begin{array}{r} 8 \\ 4 \\ \times \\ \hline \end{array}$$

24.

$$\begin{array}{r} 8 \\ 4 \\ \times \\ \hline \end{array}$$

25.

$$\begin{array}{r} 6 \\ 4 \\ \times \\ \hline \end{array}$$

26.

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

27.

$$\begin{array}{r} 12 \\ 4 \\ \times \\ \hline \end{array}$$

28.

$$\begin{array}{r} 6 \\ 4 \\ \times \\ \hline \end{array}$$

29.

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

30.

$$\begin{array}{r} 11 \\ 4 \\ \times \\ \hline \end{array}$$

31.

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

32.

$$\begin{array}{r} 6 \\ 4 \\ \times \\ \hline \end{array}$$

33.

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

34.

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

35.

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

36.

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

37.

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

38.

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

39.

$$\begin{array}{r} 11 \\ 4 \\ \times \\ \hline \end{array}$$

40.

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

Score \_\_\_\_\_

/40

Name: \_\_\_\_\_

# Multiplication

Find the product.



Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Practice with 5's

1. 
$$\begin{array}{r} 0 \\ \times 5 \\ \hline \end{array}$$
2. 
$$\begin{array}{r} 11 \\ \times 5 \\ \hline \end{array}$$
3. 
$$\begin{array}{r} 7 \\ \times 5 \\ \hline \end{array}$$
4. 
$$\begin{array}{r} 2 \\ \times 5 \\ \hline \end{array}$$
5. 
$$\begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$$
6. 
$$\begin{array}{r} 1 \\ \times 5 \\ \hline \end{array}$$
7. 
$$\begin{array}{r} 6 \\ \times 5 \\ \hline \end{array}$$
8. 
$$\begin{array}{r} 8 \\ \times 5 \\ \hline \end{array}$$
9. 
$$\begin{array}{r} 12 \\ \times 5 \\ \hline \end{array}$$
10. 
$$\begin{array}{r} 10 \\ \times 5 \\ \hline \end{array}$$
11. 
$$\begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$$
12. 
$$\begin{array}{r} 9 \\ \times 5 \\ \hline \end{array}$$
13. 
$$\begin{array}{r} 5 \\ \times 5 \\ \hline \end{array}$$
14. 
$$\begin{array}{r} 12 \\ \times 5 \\ \hline \end{array}$$
15. 
$$\begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$$
16. 
$$\begin{array}{r} 8 \\ \times 5 \\ \hline \end{array}$$
17. 
$$\begin{array}{r} 1 \\ \times 5 \\ \hline \end{array}$$
18. 
$$\begin{array}{r} 12 \\ \times 5 \\ \hline \end{array}$$
19. 
$$\begin{array}{r} 5 \\ \times 5 \\ \hline \end{array}$$
20. 
$$\begin{array}{r} 9 \\ \times 5 \\ \hline \end{array}$$
21. 
$$\begin{array}{r} 10 \\ \times 5 \\ \hline \end{array}$$
22. 
$$\begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$$
23. 
$$\begin{array}{r} 2 \\ \times 5 \\ \hline \end{array}$$
24. 
$$\begin{array}{r} 1 \\ \times 5 \\ \hline \end{array}$$
25. 
$$\begin{array}{r} 11 \\ \times 5 \\ \hline \end{array}$$
26. 
$$\begin{array}{r} 7 \\ \times 5 \\ \hline \end{array}$$
27. 
$$\begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$$
28. 
$$\begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$$
29. 
$$\begin{array}{r} 11 \\ \times 5 \\ \hline \end{array}$$
30. 
$$\begin{array}{r} 6 \\ \times 5 \\ \hline \end{array}$$
31. 
$$\begin{array}{r} 12 \\ \times 5 \\ \hline \end{array}$$
32. 
$$\begin{array}{r} 11 \\ \times 5 \\ \hline \end{array}$$
33. 
$$\begin{array}{r} 11 \\ \times 5 \\ \hline \end{array}$$
34. 
$$\begin{array}{r} 1 \\ \times 5 \\ \hline \end{array}$$
35. 
$$\begin{array}{r} 8 \\ \times 5 \\ \hline \end{array}$$
36. 
$$\begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$$
37. 
$$\begin{array}{r} 9 \\ \times 5 \\ \hline \end{array}$$
38. 
$$\begin{array}{r} 2 \\ \times 5 \\ \hline \end{array}$$
39. 
$$\begin{array}{r} 11 \\ \times 5 \\ \hline \end{array}$$
40. 
$$\begin{array}{r} 1 \\ \times 5 \\ \hline \end{array}$$

Score

/40

Name: \_\_\_\_\_

# Multiplication

Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Practice with 6's

Find the product.



1. 
$$\begin{array}{r} 0 \\ \times 6 \\ \hline \end{array}$$
2. 
$$\begin{array}{r} 4 \\ \times 6 \\ \hline \end{array}$$
3. 
$$\begin{array}{r} 2 \\ \times 6 \\ \hline \end{array}$$
4. 
$$\begin{array}{r} 11 \\ \times 6 \\ \hline \end{array}$$
5. 
$$\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$$
6. 
$$\begin{array}{r} 1 \\ \times 6 \\ \hline \end{array}$$
7. 
$$\begin{array}{r} 9 \\ \times 6 \\ \hline \end{array}$$
8. 
$$\begin{array}{r} 8 \\ \times 6 \\ \hline \end{array}$$
9. 
$$\begin{array}{r} 10 \\ \times 6 \\ \hline \end{array}$$
10. 
$$\begin{array}{r} 5 \\ \times 6 \\ \hline \end{array}$$
11. 
$$\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$$
12. 
$$\begin{array}{r} 12 \\ \times 6 \\ \hline \end{array}$$
13. 
$$\begin{array}{r} 3 \\ \times 6 \\ \hline \end{array}$$
14. 
$$\begin{array}{r} 11 \\ \times 6 \\ \hline \end{array}$$
15. 
$$\begin{array}{r} 11 \\ \times 6 \\ \hline \end{array}$$
16. 
$$\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$$
17. 
$$\begin{array}{r} 1 \\ \times 6 \\ \hline \end{array}$$
18. 
$$\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$$
19. 
$$\begin{array}{r} 1 \\ \times 6 \\ \hline \end{array}$$
20. 
$$\begin{array}{r} 12 \\ \times 6 \\ \hline \end{array}$$
21. 
$$\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$$
22. 
$$\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$$
23. 
$$\begin{array}{r} 9 \\ \times 6 \\ \hline \end{array}$$
24. 
$$\begin{array}{r} 11 \\ \times 6 \\ \hline \end{array}$$
25. 
$$\begin{array}{r} 12 \\ \times 6 \\ \hline \end{array}$$
26. 
$$\begin{array}{r} 12 \\ \times 6 \\ \hline \end{array}$$
27. 
$$\begin{array}{r} 11 \\ \times 6 \\ \hline \end{array}$$
28. 
$$\begin{array}{r} 3 \\ \times 6 \\ \hline \end{array}$$
29. 
$$\begin{array}{r} 12 \\ \times 6 \\ \hline \end{array}$$
30. 
$$\begin{array}{r} 2 \\ \times 6 \\ \hline \end{array}$$
31. 
$$\begin{array}{r} 12 \\ \times 6 \\ \hline \end{array}$$
32. 
$$\begin{array}{r} 8 \\ \times 6 \\ \hline \end{array}$$
33. 
$$\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$$
34. 
$$\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$$
35. 
$$\begin{array}{r} 1 \\ \times 6 \\ \hline \end{array}$$
36. 
$$\begin{array}{r} 1 \\ \times 6 \\ \hline \end{array}$$
37. 
$$\begin{array}{r} 1 \\ \times 6 \\ \hline \end{array}$$
38. 
$$\begin{array}{r} 12 \\ \times 6 \\ \hline \end{array}$$
39. 
$$\begin{array}{r} 1 \\ \times 6 \\ \hline \end{array}$$
40. 
$$\begin{array}{r} 9 \\ \times 6 \\ \hline \end{array}$$

Score

/40

Name: \_\_\_\_\_

# Division

Find the Quotient.



Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_

Practice with 1's

1.  $\begin{array}{r} 0 \\ 1 \overline{) } \\ \hline \end{array}$
2.  $\begin{array}{r} 10 \\ 1 \overline{) } \\ \hline \end{array}$
3.  $\begin{array}{r} 11 \\ 1 \overline{) } \\ \hline \end{array}$
4.  $\begin{array}{r} 9 \\ 1 \overline{) } \\ \hline \end{array}$
5.  $\begin{array}{r} 2 \\ 1 \overline{) } \\ \hline \end{array}$
6.  $\begin{array}{r} 1 \\ 1 \overline{) } \\ \hline \end{array}$
7.  $\begin{array}{r} 5 \\ 1 \overline{) } \\ \hline \end{array}$
8.  $\begin{array}{r} 12 \\ 1 \overline{) } \\ \hline \end{array}$
9.  $\begin{array}{r} 3 \\ 1 \overline{) } \\ \hline \end{array}$
10.  $\begin{array}{r} 7 \\ 1 \overline{) } \\ \hline \end{array}$
11.  $\begin{array}{r} 4 \\ 1 \overline{) } \\ \hline \end{array}$
12.  $\begin{array}{r} 8 \\ 1 \overline{) } \\ \hline \end{array}$
13.  $\begin{array}{r} 6 \\ 1 \overline{) } \\ \hline \end{array}$
14.  $\begin{array}{r} 5 \\ 1 \overline{) } \\ \hline \end{array}$
15.  $\begin{array}{r} 4 \\ 1 \overline{) } \\ \hline \end{array}$
16.  $\begin{array}{r} 2 \\ 1 \overline{) } \\ \hline \end{array}$
17.  $\begin{array}{r} 3 \\ 1 \overline{) } \\ \hline \end{array}$
18.  $\begin{array}{r} 3 \\ 1 \overline{) } \\ \hline \end{array}$
19.  $\begin{array}{r} 10 \\ 1 \overline{) } \\ \hline \end{array}$
20.  $\begin{array}{r} 4 \\ 1 \overline{) } \\ \hline \end{array}$
21.  $\begin{array}{r} 5 \\ 1 \overline{) } \\ \hline \end{array}$
22.  $\begin{array}{r} 6 \\ 1 \overline{) } \\ \hline \end{array}$
23.  $\begin{array}{r} 2 \\ 1 \overline{) } \\ \hline \end{array}$
24.  $\begin{array}{r} 9 \\ 1 \overline{) } \\ \hline \end{array}$
25.  $\begin{array}{r} 12 \\ 1 \overline{) } \\ \hline \end{array}$
26.  $\begin{array}{r} 6 \\ 1 \overline{) } \\ \hline \end{array}$
27.  $\begin{array}{r} 9 \\ 1 \overline{) } \\ \hline \end{array}$
28.  $\begin{array}{r} 4 \\ 1 \overline{) } \\ \hline \end{array}$
29.  $\begin{array}{r} 5 \\ 1 \overline{) } \\ \hline \end{array}$
30.  $\begin{array}{r} 7 \\ 1 \overline{) } \\ \hline \end{array}$
31.  $\begin{array}{r} 12 \\ 1 \overline{) } \\ \hline \end{array}$
32.  $\begin{array}{r} 7 \\ 1 \overline{) } \\ \hline \end{array}$
33.  $\begin{array}{r} 3 \\ 1 \overline{) } \\ \hline \end{array}$
34.  $\begin{array}{r} 2 \\ 1 \overline{) } \\ \hline \end{array}$
35.  $\begin{array}{r} 9 \\ 1 \overline{) } \\ \hline \end{array}$
36.  $\begin{array}{r} 11 \\ 1 \overline{) } \\ \hline \end{array}$
37.  $\begin{array}{r} 7 \\ 1 \overline{) } \\ \hline \end{array}$
38.  $\begin{array}{r} 1 \\ 1 \overline{) } \\ \hline \end{array}$
39.  $\begin{array}{r} 3 \\ 1 \overline{) } \\ \hline \end{array}$
40.  $\begin{array}{r} 7 \\ 1 \overline{) } \\ \hline \end{array}$

Score

/40

Name: \_\_\_\_\_

# Division

Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Practice with 2's

Find the Quotient.



1.  $\begin{array}{r} 0 \\ 2 \overline{) \phantom{00}} \end{array}$
2.  $\begin{array}{r} 16 \\ 2 \overline{) \phantom{00}} \end{array}$
3.  $\begin{array}{r} 2 \\ 2 \overline{) \phantom{00}} \end{array}$
4.  $\begin{array}{r} 12 \\ 2 \overline{) \phantom{00}} \end{array}$
5.  $\begin{array}{r} 20 \\ 2 \overline{) \phantom{00}} \end{array}$
6.  $\begin{array}{r} 14 \\ 2 \overline{) \phantom{00}} \end{array}$
7.  $\begin{array}{r} 18 \\ 2 \overline{) \phantom{00}} \end{array}$
8.  $\begin{array}{r} 22 \\ 2 \overline{) \phantom{00}} \end{array}$
9.  $\begin{array}{r} 8 \\ 2 \overline{) \phantom{00}} \end{array}$
10.  $\begin{array}{r} 10 \\ 2 \overline{) \phantom{00}} \end{array}$
11.  $\begin{array}{r} 6 \\ 2 \overline{) \phantom{00}} \end{array}$
12.  $\begin{array}{r} 24 \\ 2 \overline{) \phantom{00}} \end{array}$
13.  $\begin{array}{r} 4 \\ 2 \overline{) \phantom{00}} \end{array}$
14.  $\begin{array}{r} 24 \\ 2 \overline{) \phantom{00}} \end{array}$
15.  $\begin{array}{r} 4 \\ 2 \overline{) \phantom{00}} \end{array}$
16.  $\begin{array}{r} 24 \\ 2 \overline{) \phantom{00}} \end{array}$
17.  $\begin{array}{r} 10 \\ 2 \overline{) \phantom{00}} \end{array}$
18.  $\begin{array}{r} 6 \\ 2 \overline{) \phantom{00}} \end{array}$
19.  $\begin{array}{r} 2 \\ 2 \overline{) \phantom{00}} \end{array}$
20.  $\begin{array}{r} 24 \\ 2 \overline{) \phantom{00}} \end{array}$
21.  $\begin{array}{r} 20 \\ 2 \overline{) \phantom{00}} \end{array}$
22.  $\begin{array}{r} 16 \\ 2 \overline{) \phantom{00}} \end{array}$
23.  $\begin{array}{r} 6 \\ 2 \overline{) \phantom{00}} \end{array}$
24.  $\begin{array}{r} 18 \\ 2 \overline{) \phantom{00}} \end{array}$
25.  $\begin{array}{r} 22 \\ 2 \overline{) \phantom{00}} \end{array}$
26.  $\begin{array}{r} 24 \\ 2 \overline{) \phantom{00}} \end{array}$
27.  $\begin{array}{r} 20 \\ 2 \overline{) \phantom{00}} \end{array}$
28.  $\begin{array}{r} 16 \\ 2 \overline{) \phantom{00}} \end{array}$
29.  $\begin{array}{r} 24 \\ 2 \overline{) \phantom{00}} \end{array}$
30.  $\begin{array}{r} 20 \\ 2 \overline{) \phantom{00}} \end{array}$
31.  $\begin{array}{r} 12 \\ 2 \overline{) \phantom{00}} \end{array}$
32.  $\begin{array}{r} 20 \\ 2 \overline{) \phantom{00}} \end{array}$
33.  $\begin{array}{r} 20 \\ 2 \overline{) \phantom{00}} \end{array}$
34.  $\begin{array}{r} 6 \\ 2 \overline{) \phantom{00}} \end{array}$
35.  $\begin{array}{r} 16 \\ 2 \overline{) \phantom{00}} \end{array}$
36.  $\begin{array}{r} 18 \\ 2 \overline{) \phantom{00}} \end{array}$
37.  $\begin{array}{r} 6 \\ 2 \overline{) \phantom{00}} \end{array}$
38.  $\begin{array}{r} 22 \\ 2 \overline{) \phantom{00}} \end{array}$
39.  $\begin{array}{r} 18 \\ 2 \overline{) \phantom{00}} \end{array}$
40.  $\begin{array}{r} 14 \\ 2 \overline{) \phantom{00}} \end{array}$

Score

/40

Find the Quotient.

## Practice with 3's



1.

0

3

2.

1

5

3

3.

2

4

3

4.

2

1

3

5.

3

3

3

6.

6

3

7.

3

6

3

8.

3

3

9.

9

3

10.

3

0

3

11.

1

2

3

12.

1

8

3

13.

2

7

3

14.

2

1

3

15.

1

2

3

16.

1

2

3

17.

1

8

3

18.

1

2

3

19.

3

3

20.

3

6

3

21.

3

3

3

22.

6

3

23.

1

8

3

24.

6

3

25.

2

1

3

26.

1

8

3

27.

2

7

3

28.

2

1

3

29.

3

3

3

30.

1

2

3

31.

6

3

32.

1

2

3

33.

1

8

3

34.

2

4

3

35.

3

3

36.

1

5

3

37.

3

6

3

38.

3

6

3

39.

2

7

3

40.

3

6

3

/40

Name: \_\_\_\_\_

# Division

Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Practice with 4's

Find the Quotient.



1.  $\begin{array}{r} 0 \\ 4 \overline{) } \\ \hline \end{array}$
2.  $\begin{array}{r} 3 \ 6 \\ 4 \overline{) } \\ \hline \end{array}$
3.  $\begin{array}{r} 1 \ 6 \\ 4 \overline{) } \\ \hline \end{array}$
4.  $\begin{array}{r} 8 \\ 4 \overline{) } \\ \hline \end{array}$
5.  $\begin{array}{r} 4 \ 4 \\ 4 \overline{) } \\ \hline \end{array}$
6.  $\begin{array}{r} 1 \ 2 \\ 4 \overline{) } \\ \hline \end{array}$
7.  $\begin{array}{r} 2 \ 4 \\ 4 \overline{) } \\ \hline \end{array}$
8.  $\begin{array}{r} 4 \\ 4 \overline{) } \\ \hline \end{array}$
9.  $\begin{array}{r} 3 \ 2 \\ 4 \overline{) } \\ \hline \end{array}$
10.  $\begin{array}{r} 2 \ 8 \\ 4 \overline{) } \\ \hline \end{array}$
11.  $\begin{array}{r} 2 \ 0 \\ 4 \overline{) } \\ \hline \end{array}$
12.  $\begin{array}{r} 4 \ 0 \\ 4 \overline{) } \\ \hline \end{array}$
13.  $\begin{array}{r} 4 \ 8 \\ 4 \overline{) } \\ \hline \end{array}$
14.  $\begin{array}{r} 1 \ 6 \\ 4 \overline{) } \\ \hline \end{array}$
15.  $\begin{array}{r} 2 \ 4 \\ 4 \overline{) } \\ \hline \end{array}$
16.  $\begin{array}{r} 4 \ 8 \\ 4 \overline{) } \\ \hline \end{array}$
17.  $\begin{array}{r} 8 \\ 4 \overline{) } \\ \hline \end{array}$
18.  $\begin{array}{r} 2 \ 4 \\ 4 \overline{) } \\ \hline \end{array}$
19.  $\begin{array}{r} 4 \ 4 \\ 4 \overline{) } \\ \hline \end{array}$
20.  $\begin{array}{r} 1 \ 2 \\ 4 \overline{) } \\ \hline \end{array}$
21.  $\begin{array}{r} 1 \ 6 \\ 4 \overline{) } \\ \hline \end{array}$
22.  $\begin{array}{r} 1 \ 2 \\ 4 \overline{) } \\ \hline \end{array}$
23.  $\begin{array}{r} 4 \ 0 \\ 4 \overline{) } \\ \hline \end{array}$
24.  $\begin{array}{r} 2 \ 0 \\ 4 \overline{) } \\ \hline \end{array}$
25.  $\begin{array}{r} 4 \ 0 \\ 4 \overline{) } \\ \hline \end{array}$
26.  $\begin{array}{r} 2 \ 8 \\ 4 \overline{) } \\ \hline \end{array}$
27.  $\begin{array}{r} 1 \ 6 \\ 4 \overline{) } \\ \hline \end{array}$
28.  $\begin{array}{r} 3 \ 6 \\ 4 \overline{) } \\ \hline \end{array}$
29.  $\begin{array}{r} 3 \ 2 \\ 4 \overline{) } \\ \hline \end{array}$
30.  $\begin{array}{r} 3 \ 6 \\ 4 \overline{) } \\ \hline \end{array}$
31.  $\begin{array}{r} 2 \ 4 \\ 4 \overline{) } \\ \hline \end{array}$
32.  $\begin{array}{r} 3 \ 2 \\ 4 \overline{) } \\ \hline \end{array}$
33.  $\begin{array}{r} 4 \ 0 \\ 4 \overline{) } \\ \hline \end{array}$
34.  $\begin{array}{r} 1 \ 6 \\ 4 \overline{) } \\ \hline \end{array}$
35.  $\begin{array}{r} 4 \ 4 \\ 4 \overline{) } \\ \hline \end{array}$
36.  $\begin{array}{r} 8 \\ 4 \overline{) } \\ \hline \end{array}$
37.  $\begin{array}{r} 4 \\ 4 \overline{) } \\ \hline \end{array}$
38.  $\begin{array}{r} 4 \ 4 \\ 4 \overline{) } \\ \hline \end{array}$
39.  $\begin{array}{r} 2 \ 0 \\ 4 \overline{) } \\ \hline \end{array}$
40.  $\begin{array}{r} 1 \ 2 \\ 4 \overline{) } \\ \hline \end{array}$

Score \_\_\_\_\_

/40

Name: \_\_\_\_\_

# Division

Find the Quotient.



Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_

Practice with 6's

1. 
$$\begin{array}{r} \boxed{0} \\ \div 6 \\ \hline \end{array}$$
2. 
$$\begin{array}{r} \boxed{1} \boxed{8} \\ \div \phantom{0} 6 \\ \hline \end{array}$$
3. 
$$\begin{array}{r} \boxed{5} \boxed{4} \\ \div \phantom{0} 6 \\ \hline \end{array}$$
4. 
$$\begin{array}{r} \boxed{6} \boxed{6} \\ \div \phantom{0} 6 \\ \hline \end{array}$$
5. 
$$\begin{array}{r} \boxed{1} \boxed{2} \\ \div \phantom{0} 6 \\ \hline \end{array}$$
6. 
$$\begin{array}{r} \boxed{3} \boxed{0} \\ \div \phantom{0} 6 \\ \hline \end{array}$$
7. 
$$\begin{array}{r} \boxed{7} \boxed{2} \\ \div \phantom{0} 6 \\ \hline \end{array}$$
8. 
$$\begin{array}{r} \boxed{4} \boxed{2} \\ \div \phantom{0} 6 \\ \hline \end{array}$$
9. 
$$\begin{array}{r} \boxed{6} \boxed{0} \\ \div \phantom{0} 6 \\ \hline \end{array}$$
10. 
$$\begin{array}{r} \boxed{3} \boxed{6} \\ \div \phantom{0} 6 \\ \hline \end{array}$$
11. 
$$\begin{array}{r} \boxed{6} \\ \div 6 \\ \hline \end{array}$$
12. 
$$\begin{array}{r} \boxed{2} \boxed{4} \\ \div \phantom{0} 6 \\ \hline \end{array}$$
13. 
$$\begin{array}{r} \boxed{4} \boxed{8} \\ \div \phantom{0} 6 \\ \hline \end{array}$$
14. 
$$\begin{array}{r} \boxed{1} \boxed{8} \\ \div \phantom{0} 6 \\ \hline \end{array}$$
15. 
$$\begin{array}{r} \boxed{1} \boxed{2} \\ \div \phantom{0} 6 \\ \hline \end{array}$$
16. 
$$\begin{array}{r} \boxed{4} \boxed{8} \\ \div \phantom{0} 6 \\ \hline \end{array}$$
17. 
$$\begin{array}{r} \boxed{6} \\ \div 6 \\ \hline \end{array}$$
18. 
$$\begin{array}{r} \boxed{6} \boxed{0} \\ \div \phantom{0} 6 \\ \hline \end{array}$$
19. 
$$\begin{array}{r} \boxed{4} \boxed{8} \\ \div \phantom{0} 6 \\ \hline \end{array}$$
20. 
$$\begin{array}{r} \boxed{3} \boxed{6} \\ \div \phantom{0} 6 \\ \hline \end{array}$$
21. 
$$\begin{array}{r} \boxed{6} \boxed{0} \\ \div \phantom{0} 6 \\ \hline \end{array}$$
22. 
$$\begin{array}{r} \boxed{6} \boxed{6} \\ \div \phantom{0} 6 \\ \hline \end{array}$$
23. 
$$\begin{array}{r} \boxed{2} \boxed{4} \\ \div \phantom{0} 6 \\ \hline \end{array}$$
24. 
$$\begin{array}{r} \boxed{3} \boxed{6} \\ \div \phantom{0} 6 \\ \hline \end{array}$$
25. 
$$\begin{array}{r} \boxed{6} \\ \div 6 \\ \hline \end{array}$$
26. 
$$\begin{array}{r} \boxed{6} \boxed{6} \\ \div \phantom{0} 6 \\ \hline \end{array}$$
27. 
$$\begin{array}{r} \boxed{6} \\ \div 6 \\ \hline \end{array}$$
28. 
$$\begin{array}{r} \boxed{3} \boxed{0} \\ \div \phantom{0} 6 \\ \hline \end{array}$$
29. 
$$\begin{array}{r} \boxed{6} \boxed{0} \\ \div \phantom{0} 6 \\ \hline \end{array}$$
30. 
$$\begin{array}{r} \boxed{6} \boxed{6} \\ \div \phantom{0} 6 \\ \hline \end{array}$$
31. 
$$\begin{array}{r} \boxed{4} \boxed{2} \\ \div \phantom{0} 6 \\ \hline \end{array}$$
32. 
$$\begin{array}{r} \boxed{6} \\ \div 6 \\ \hline \end{array}$$
33. 
$$\begin{array}{r} \boxed{2} \boxed{4} \\ \div \phantom{0} 6 \\ \hline \end{array}$$
34. 
$$\begin{array}{r} \boxed{4} \boxed{8} \\ \div \phantom{0} 6 \\ \hline \end{array}$$
35. 
$$\begin{array}{r} \boxed{1} \boxed{8} \\ \div \phantom{0} 6 \\ \hline \end{array}$$
36. 
$$\begin{array}{r} \boxed{3} \boxed{0} \\ \div \phantom{0} 6 \\ \hline \end{array}$$
37. 
$$\begin{array}{r} \boxed{6} \boxed{6} \\ \div \phantom{0} 6 \\ \hline \end{array}$$
38. 
$$\begin{array}{r} \boxed{6} \boxed{6} \\ \div \phantom{0} 6 \\ \hline \end{array}$$
39. 
$$\begin{array}{r} \boxed{1} \boxed{8} \\ \div \phantom{0} 6 \\ \hline \end{array}$$
40. 
$$\begin{array}{r} \boxed{1} \boxed{8} \\ \div \phantom{0} 6 \\ \hline \end{array}$$

Score

/40

Name: \_\_\_\_\_

# Division

Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

## Practice with 5's

Find the Quotient.



1. 
$$\begin{array}{r} 0 \\ 5 \overline{) \phantom{00}} \\ \hline \end{array}$$

2. 
$$\begin{array}{r} 5 \\ 5 \overline{) \phantom{00}} \\ \hline \end{array}$$

3. 
$$\begin{array}{r} 35 \\ 5 \overline{) \phantom{00}} \\ \hline \end{array}$$

4. 
$$\begin{array}{r} 50 \\ 5 \overline{) \phantom{00}} \\ \hline \end{array}$$

5. 
$$\begin{array}{r} 15 \\ 5 \overline{) \phantom{00}} \\ \hline \end{array}$$

6. 
$$\begin{array}{r} 55 \\ 5 \overline{) \phantom{00}} \\ \hline \end{array}$$

7. 
$$\begin{array}{r} 30 \\ 5 \overline{) \phantom{00}} \\ \hline \end{array}$$

8. 
$$\begin{array}{r} 25 \\ 5 \overline{) \phantom{00}} \\ \hline \end{array}$$

9. 
$$\begin{array}{r} 45 \\ 5 \overline{) \phantom{00}} \\ \hline \end{array}$$

10. 
$$\begin{array}{r} 10 \\ 5 \overline{) \phantom{00}} \\ \hline \end{array}$$

11. 
$$\begin{array}{r} 40 \\ 5 \overline{) \phantom{00}} \\ \hline \end{array}$$

12. 
$$\begin{array}{r} 60 \\ 5 \overline{) \phantom{00}} \\ \hline \end{array}$$

13. 
$$\begin{array}{r} 20 \\ 5 \overline{) \phantom{00}} \\ \hline \end{array}$$

14. 
$$\begin{array}{r} 50 \\ 5 \overline{) \phantom{00}} \\ \hline \end{array}$$

15. 
$$\begin{array}{r} 5 \\ 5 \overline{) \phantom{00}} \\ \hline \end{array}$$

16. 
$$\begin{array}{r} 55 \\ 5 \overline{) \phantom{00}} \\ \hline \end{array}$$

17. 
$$\begin{array}{r} 35 \\ 5 \overline{) \phantom{00}} \\ \hline \end{array}$$

18. 
$$\begin{array}{r} 45 \\ 5 \overline{) \phantom{00}} \\ \hline \end{array}$$

19. 
$$\begin{array}{r} 15 \\ 5 \overline{) \phantom{00}} \\ \hline \end{array}$$

20. 
$$\begin{array}{r} 10 \\ 5 \overline{) \phantom{00}} \\ \hline \end{array}$$

21. 
$$\begin{array}{r} 60 \\ 5 \overline{) \phantom{00}} \\ \hline \end{array}$$

22. 
$$\begin{array}{r} 40 \\ 5 \overline{) \phantom{00}} \\ \hline \end{array}$$

23. 
$$\begin{array}{r} 45 \\ 5 \overline{) \phantom{00}} \\ \hline \end{array}$$

24. 
$$\begin{array}{r} 35 \\ 5 \overline{) \phantom{00}} \\ \hline \end{array}$$

25. 
$$\begin{array}{r} 30 \\ 5 \overline{) \phantom{00}} \\ \hline \end{array}$$

26. 
$$\begin{array}{r} 15 \\ 5 \overline{) \phantom{00}} \\ \hline \end{array}$$

27. 
$$\begin{array}{r} 60 \\ 5 \overline{) \phantom{00}} \\ \hline \end{array}$$

28. 
$$\begin{array}{r} 15 \\ 5 \overline{) \phantom{00}} \\ \hline \end{array}$$

29. 
$$\begin{array}{r} 45 \\ 5 \overline{) \phantom{00}} \\ \hline \end{array}$$

30. 
$$\begin{array}{r} 20 \\ 5 \overline{) \phantom{00}} \\ \hline \end{array}$$

31. 
$$\begin{array}{r} 5 \\ 5 \overline{) \phantom{00}} \\ \hline \end{array}$$

32. 
$$\begin{array}{r} 50 \\ 5 \overline{) \phantom{00}} \\ \hline \end{array}$$

33. 
$$\begin{array}{r} 25 \\ 5 \overline{) \phantom{00}} \\ \hline \end{array}$$

34. 
$$\begin{array}{r} 50 \\ 5 \overline{) \phantom{00}} \\ \hline \end{array}$$

35. 
$$\begin{array}{r} 55 \\ 5 \overline{) \phantom{00}} \\ \hline \end{array}$$

36. 
$$\begin{array}{r} 25 \\ 5 \overline{) \phantom{00}} \\ \hline \end{array}$$

37. 
$$\begin{array}{r} 25 \\ 5 \overline{) \phantom{00}} \\ \hline \end{array}$$

38. 
$$\begin{array}{r} 20 \\ 5 \overline{) \phantom{00}} \\ \hline \end{array}$$

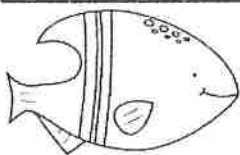
39. 
$$\begin{array}{r} 45 \\ 5 \overline{) \phantom{00}} \\ \hline \end{array}$$

40. 
$$\begin{array}{r} 35 \\ 5 \overline{) \phantom{00}} \\ \hline \end{array}$$

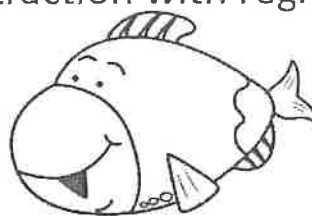
Score \_\_\_\_\_

/40

Name \_\_\_\_\_



# Fishy Fun!



Find the difference for each problem. Color the fish with the matching difference!

$$\begin{array}{r} 9,879 \\ - 7,999 \\ \hline \end{array}$$

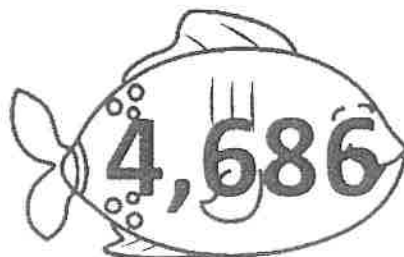
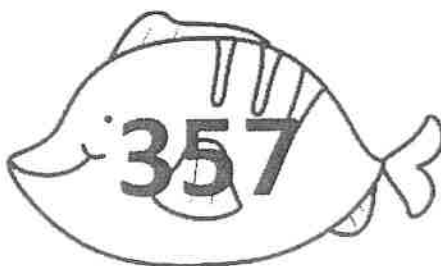
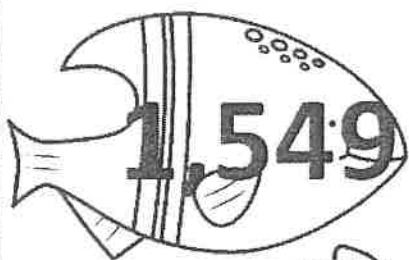
$$\begin{array}{r} 6,222 \\ - 4,679 \\ \hline \end{array}$$

$$\begin{array}{r} 3,325 \\ - 2,968 \\ \hline \end{array}$$

$$\begin{array}{r} 9,574 \\ - 4,888 \\ \hline \end{array}$$

$$\begin{array}{r} 7,435 \\ - 5,886 \\ \hline \end{array}$$

$$\begin{array}{r} 8,063 \\ - 6,774 \\ \hline \end{array}$$



Name \_\_\_\_\_

Addition problems

# Oliver is hungry!

Help Oliver get back to his dog bowl. Complete the problems and color the boxes that have a 9 in the answer.



$$\begin{array}{r} 899 \\ +473 \\ \hline \end{array}$$

$$\begin{array}{r} 839 \\ +320 \\ \hline \end{array}$$

$$\begin{array}{r} 466 \\ +473 \\ \hline \end{array}$$

$$\begin{array}{r} 735 \\ +145 \\ \hline \end{array}$$

$$\begin{array}{r} 382 \\ +617 \\ \hline \end{array}$$

$$\begin{array}{r} 437 \\ +483 \\ \hline \end{array}$$

$$\begin{array}{r} 785 \\ +596 \\ \hline \end{array}$$

$$\begin{array}{r} 368 \\ +507 \\ \hline \end{array}$$

$$\begin{array}{r} 195 \\ +478 \\ \hline \end{array}$$

$$\begin{array}{r} 259 \\ +465 \\ \hline \end{array}$$

$$\begin{array}{r} 515 \\ +473 \\ \hline \end{array}$$

$$\begin{array}{r} 245 \\ +136 \\ \hline \end{array}$$

$$\begin{array}{r} 503 \\ +478 \\ \hline \end{array}$$

$$\begin{array}{r} 268 \\ +457 \\ \hline \end{array}$$

$$\begin{array}{r} 738 \\ +551 \\ \hline \end{array}$$

$$\begin{array}{r} 297 \\ +364 \\ \hline \end{array}$$

$$\begin{array}{r} 689 \\ +243 \\ \hline \end{array}$$

$$\begin{array}{r} 679 \\ +157 \\ \hline \end{array}$$

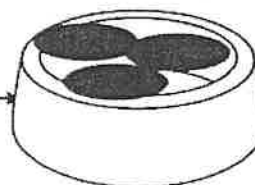
$$\begin{array}{r} 426 \\ +568 \\ \hline \end{array}$$

$$\begin{array}{r} 257 \\ +486 \\ \hline \end{array}$$

$$\begin{array}{r} 584 \\ +346 \\ \hline \end{array}$$

$$\begin{array}{r} 349 \\ +234 \\ \hline \end{array}$$

$$\begin{array}{r} 418 \\ +528 \\ \hline \end{array}$$

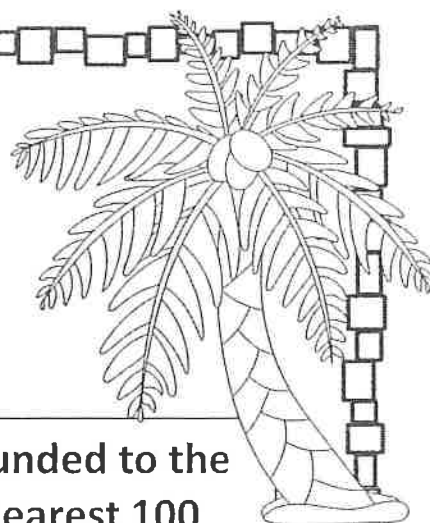


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Name: \_\_\_\_\_

# Rounding Numbers

Directions: Round each number to the nearest 10 and then the nearest 100.



|     | rounded to the<br>nearest 10 | rounded to the<br>nearest 100 |
|-----|------------------------------|-------------------------------|
| 317 |                              |                               |
| 723 |                              |                               |
| 655 |                              |                               |
| 208 |                              |                               |
| 939 |                              |                               |
| 146 |                              |                               |
| 572 |                              |                               |
| 864 |                              |                               |
| 481 |                              |                               |

Name: \_\_\_\_\_

## Ordering Numbers

Directions: Write the numbers in order from least to greatest.

5,291    7,295    4,628    5,052

3,899    6,003    3,998    8,447

2,070    1,663    5,611    9,415

4,050    4,005    5,405    5,040

Name: \_\_\_\_\_

# Rounding Numbers

Directions: Round each number to the nearest 10 and then the nearest 100.



|     | rounded to the<br>nearest 10 | rounded to the<br>nearest 100 |
|-----|------------------------------|-------------------------------|
| 317 |                              |                               |
| 723 |                              |                               |
| 655 |                              |                               |
| 208 |                              |                               |
| 939 |                              |                               |
| 146 |                              |                               |
| 572 |                              |                               |
| 864 |                              |                               |
| 481 |                              |                               |



Name: \_\_\_\_\_

## Ordering Numbers

Directions: Write the numbers in order from least to greatest.

5,291    7,295    4,628    5,052

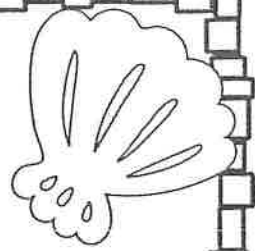
3,899    6,003    3,998    8,447

2,070    1,663    5,611    9,415

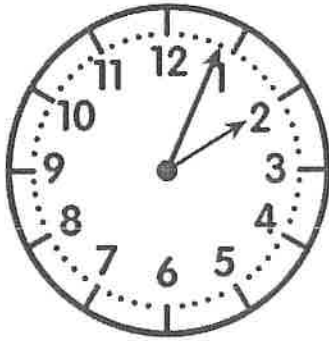
4,050    4,005    5,405    5,040



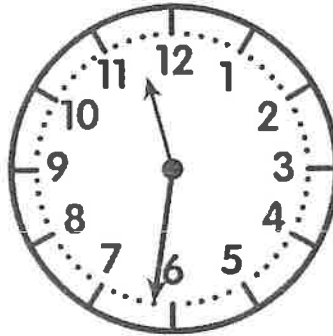
Name: \_\_\_\_\_



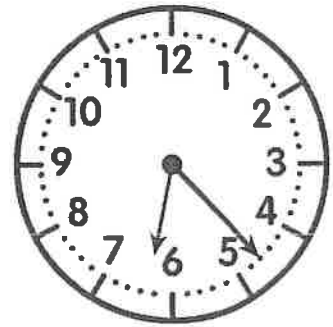
# Telling Time to the Minute



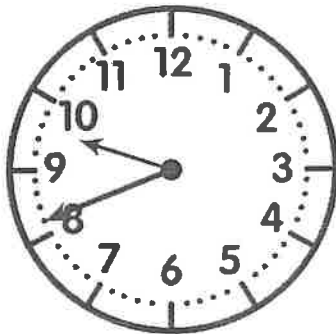
\_\_\_\_ : \_\_\_\_



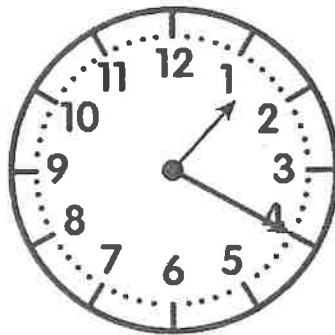
\_\_\_\_ : \_\_\_\_



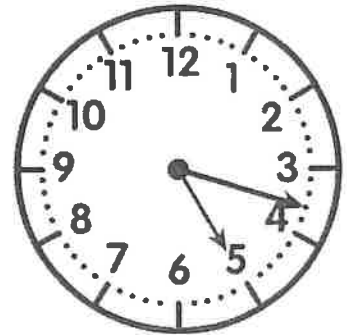
\_\_\_\_ : \_\_\_\_



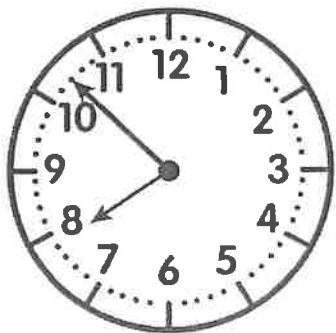
\_\_\_\_ : \_\_\_\_



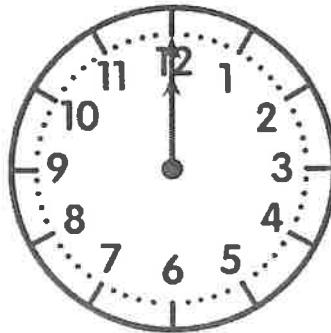
\_\_\_\_ : \_\_\_\_



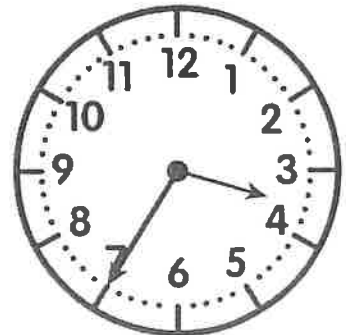
\_\_\_\_ : \_\_\_\_



\_\_\_\_ : \_\_\_\_



\_\_\_\_ : \_\_\_\_



\_\_\_\_ : \_\_\_\_



# Facts Practice Using Multiplication/Division Fact Triangles

*This document contains directions and cut-out templates for the arithmetic facts from  $2 \times 2$  up to  $9 \times 9$  and their related division facts*



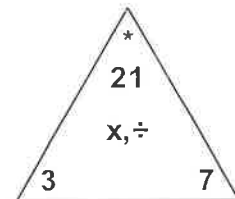
Warning!!! The reasoning (thinking) part of your brain can shut off under time pressure!!!

The goal of using these cards is to achieve accuracy and reasonable speed (3 to 5 seconds per fact). Use the cards to help assess which facts come reasonably quickly and which facts need more practice or connections to other known facts.

Whenever possible, connect thinking strategies with memorization such as  $6 \times 8$  is double  $3 \times 8$  or  $6 \times 8$  is 8 more than  $5 \times 8$

## What are Fact Triangles?

- Fact triangles are a type of flash card that group together families of related arithmetic facts ("fact families") like the one shown here:



## What are "fact families"?

- $3 \times 7 = 21$  is related to  $7 \times 3 = 21$  because multiplication is commutative ( $a \times b = b \times a$ ).
- $3 \times 7 = 21$  also is related to  $21 \div 7 = 3$  and  $21 \div 3 = 7$  because multiplication and division are inverse operations.
- So 3, 7, and 21 make up the following family of four facts:

|                   |
|-------------------|
| $3 \times 7 = 21$ |
| $7 \times 3 = 21$ |
| $21 \div 7 = 3$   |
| $21 \div 3 = 7$   |

- Learning basic arithmetic facts in families reinforces the relationship between facts and requires significantly less memorization of isolated facts!

## How might Fact Triangles be used to encourage thinking?

- Before practicing facts, the student must first understand what multiplication and division represent and how they are related to each other.
- In each triangle, the product (21 in the triangle above) is marked with a star (\*). After cutting out the individual triangles, have the student write the fact family on the back of each triangle.
- In partners, one person shows the front side of a triangle while covering one number. The other person must identify the missing number and the four facts in that fact family.

*An example using the 3-7-21 card pictured above:*

- Covering the starred number (21) requires the other person to find  $3 \times 7$  or  $7 \times 3$  and the related multiplication and division facts.
  - Covering the 3 requires the other person to find what number times 7 is 21 or 21 divided by 7 and the related multiplication and division facts.
- Reinforce that the starred number is called the product and the other two numbers are factors of that product.



