

Name \_\_\_\_\_

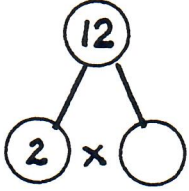
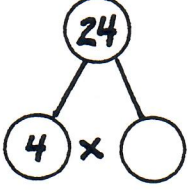
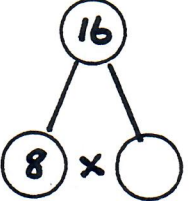
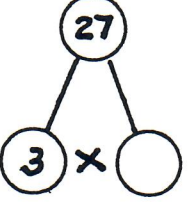
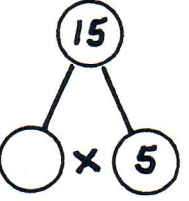
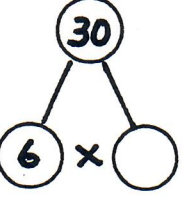
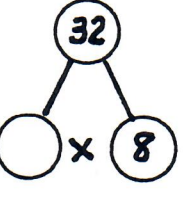
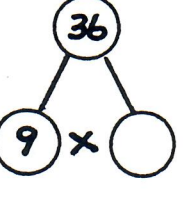
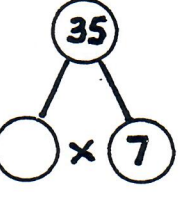
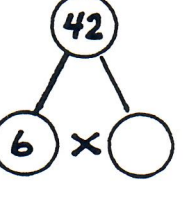
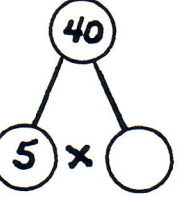
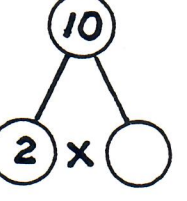
Fill in the missing factors.

- |   |   |
|---|---|
| a) $3 \times \underline{\quad} = 24$<br>$24 \div 3 = \underline{\quad}$ | f) $4 \times \underline{\quad} = 16$<br>$16 \div 4 = \underline{\quad}$ |
| b) $\underline{\quad} \times 5 = 25$<br>$25 \div 5 = \underline{\quad}$ | g) $\underline{\quad} \times 3 = 18$<br>$18 \div 3 = \underline{\quad}$ |
| c) $2 \times \underline{\quad} = 8$<br>$8 \div 2 = \underline{\quad}$   | h) $5 \times \underline{\quad} = 20$<br>$20 \div 5 = \underline{\quad}$ |
| d) $4 \times \underline{\quad} = 24$<br>$24 \div 4 = \underline{\quad}$ | i) $\underline{\quad} \times 2 = 14$<br>$14 \div 2 = \underline{\quad}$ |
| e) $\underline{\quad} \times 3 = 12$<br>$12 \div 3 = \underline{\quad}$ | j) $4 \times \underline{\quad} = 16$<br>$16 \div 4 = \underline{\quad}$ |

Write the division and multiplication families for each.

- |   |   |
|---|---|
| a) $2 \times 3 = \underline{\quad}$<br>$\underline{\quad} \times \underline{\quad} = \underline{\quad}$<br>$\underline{\quad} \div \underline{\quad} = \underline{\quad}$<br>$\underline{\quad} \div \underline{\quad} = \underline{\quad}$ | d) $24 \div 3 = \underline{\quad}$<br>_____<br>_____  |
| b) $16 \div 2 = \underline{\quad}$<br>_____<br>_____  | e) $9 \times 2 = \underline{\quad}$<br>_____<br>_____ |
| c) $5 \times 4 = \underline{\quad}$<br>_____<br>_____   | f) $21 \div 3 = \underline{\quad}$<br>_____<br>_____  |

Complete the factor trees.

- |   |  |
|---|--|
| a)    | g)    |
| b)    | h)    |
| c)    | i)    |
| d)   | j)   |
| e)  | k)  |
| f)  | l)  |

In your math journal, make five more factor trees and fact families for different multiplication and division sentences.

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### Division With Zero and One

Chris has zero chocolate bars to share with five friends. How many chocolate bars will each friend get?

$$0 \div 5 = 0$$

$0 \div 4 = \underline{\quad}$        $0 \div 7 = \underline{\quad}$

$0 \div 9 = \underline{\quad}$        $0 \div 3 = \underline{\quad}$

$0 \div 4 = \underline{\quad}$        $0 \div 2 = \underline{\quad}$

$0 \div 8 = \underline{\quad}$        $0 \div 1 = \underline{\quad}$

$0 \div 6 = \underline{\quad}$        $0 \div 5 = \underline{\quad}$

Write a rule for dividing a number into zero. \_\_\_\_\_  
\_\_\_\_\_

**NO NUMBER CAN BE DIVIDED BY ZERO!**

Ian has 9 candies to share with just himself. How many candies will Ian get?

$$9 \div 1 = 9$$

$5 \div 1 = \underline{\quad}$        $7 \div 1 = \underline{\quad}$

$2 \div 1 = \underline{\quad}$        $9 \div 1 = \underline{\quad}$

$6 \div 1 = \underline{\quad}$        $4 \div 1 = \underline{\quad}$

$8 \div 1 = \underline{\quad}$        $3 \div 1 = \underline{\quad}$

$1 \div 1 = \underline{\quad}$        $5 \div 1 = \underline{\quad}$

Write a rule for dividing a number by one. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### Dividing a Number By Itself

Tracy has seven toys to wrap. She will put the toys equally into seven boxes. How many toys will be in each box?

$$7 \div 7 = 1$$

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

$1 \div 1 = \underline{\quad}$        $3 \div 3 = \underline{\quad}$

$9 \div 9 = \underline{\quad}$        $2 \div 2 = \underline{\quad}$

$4 \div 4 = \underline{\quad}$        $7 \div 7 = \underline{\quad}$

$6 \div 6 = \underline{\quad}$        $10 \div 10 = \underline{\quad}$

What is the rule? \_\_\_\_\_  
\_\_\_\_\_

#### Try these!

$0 \div 123 = \underline{\quad}$        $0 \div 4286 = \underline{\quad}$

$56 \div 1 = \underline{\quad}$        $35 \div 35 = \underline{\quad}$

$78 \div 78 = \underline{\quad}$        $749 \div 1 = \underline{\quad}$

$1642 \div 1 = \underline{\quad}$        $0 \div 658 = \underline{\quad}$

$545 \div 545 = \underline{\quad}$        $0 \div 76 = \underline{\quad}$

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Divide.

$42 \div 7 = \underline{\quad}$      $49 \div 7 = \underline{\quad}$      $54 \div 9 = \underline{\quad}$      $4 \div 2 = \underline{\quad}$      $7 \div 7 = \underline{\quad}$

$32 \div 4 = \underline{\quad}$      $16 \div 2 = \underline{\quad}$      $25 \div 5 = \underline{\quad}$      $40 \div 8 = \underline{\quad}$      $18 \div 9 = \underline{\quad}$

$72 \div 8 = \underline{\quad}$      $36 \div 4 = \underline{\quad}$      $18 \div 3 = \underline{\quad}$      $45 \div 5 = \underline{\quad}$      $24 \div 3 = \underline{\quad}$

$45 \div 9 = \underline{\quad}$      $81 \div 9 = \underline{\quad}$      $21 \div 7 = \underline{\quad}$      $28 \div 4 = \underline{\quad}$      $40 \div 5 = \underline{\quad}$

$21 \div 3 = \underline{\quad}$      $64 \div 8 = \underline{\quad}$      $48 \div 8 = \underline{\quad}$      $36 \div 6 = \underline{\quad}$      $35 \div 7 = \underline{\quad}$

$12 \div 2 = \underline{\quad}$      $63 \div 7 = \underline{\quad}$      $63 \div 9 = \underline{\quad}$      $56 \div 7 = \underline{\quad}$      $14 \div 2 = \underline{\quad}$

$30 \div 5 = \underline{\quad}$      $48 \div 6 = \underline{\quad}$      $10 \div 2 = \underline{\quad}$      $54 \div 6 = \underline{\quad}$      $30 \div 6 = \underline{\quad}$

$72 \div 9 = \underline{\quad}$      $24 \div 4 = \underline{\quad}$      $0 \div 9 = \underline{\quad}$      $27 \div 3 = \underline{\quad}$      $36 \div 9 = \underline{\quad}$

$56 \div 8 = \underline{\quad}$      $12 \div 3 = \underline{\quad}$      $24 \div 6 = \underline{\quad}$      $16 \div 4 = \underline{\quad}$      $28 \div 7 = \underline{\quad}$

Solve the problems.

1. The music club spent \$63 on new recorders. Each recorder cost \$7. How many recorders did they buy?

3. There were nine piles of books on the desks. Each pile had eight books. How many books were there altogether?

2. If you can go 1 km every four minutes on your bike, how many kilometres can you go in 32 minutes?

4. Forty-two students were playing a game. There were seven teams. How many were on each team?

km	1	2							
min	4								

Complete the table.

\_\_\_\_\_

\_\_\_\_\_

In your math journal, write five more word problems for division.