# EXPLORE THE 4s TIMES TABLE

## WATCH ME FIRST!

**We can solve the 4s facts using the related 2s facts:**

1st – Identify the related 2s fact (replace the 4 with a 2) and solve.

2nd – Double the product of the related 2s fact.

3rd – Solve the related 4s fact.

**EXAMPLE:** Find the product of 4 x 3.
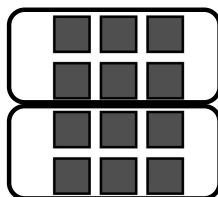
### STEP 1

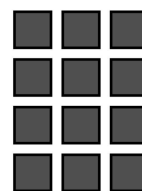**2 x 3** is related to **4 x 3**

2 x 3 = 6

### STEP 2

**Double 6**

6 + 6 = 12

### STEP 3

The product of 4 x 3 = 12

## LET'S WORK TOGETHER!

1) Find the product of **4 × 4**. Complete the steps by drawing models and filling in the chart.

### STEP 1

_____ is related to _____

_____ × _____ = _____

### STEP 2

**Double _____**

_____ + _____ = _____

### STEP 3

The product of 4 x 4 = _____

**LET'S WORK TOGETHER!** (continued)

2) Find the product of **4 × 5**. Complete the steps by drawing models and filling in the chart.

| STEP 1 | STEP 2 | STEP 3 |
|---|---|---|
| _____ is related to _____  _____ × _____ = _____ | **Double** _____  _____ + _____ = _____ | The product of 4 x 5 = _____ |

**Directions**: Fill in the multiplication chart below using information from Problems 1 and 2.

|  | 2s Facts | 4s Facts |
|---|---|---|
| x1 | 2 | 4 |
| x2 | 4 | 8 |
| x3 | 6 | 12 |
| x4 |  |  |
| x5 |  |  |

3) Look at the multiplication chart above. What patterns do you notice between the 2s facts and 4s facts?

_____

_____

_____

## YOUR TURN!

**Directions:** For problems 1 – 7 find the products by drawing models and filling in the steps. Next fill in the multiplication chart.

| | **2s Facts** | **4s Facts** |
|---|---|---|
| x1 | 2 | 4 |
| x2 | 4 | 8 |
| x3 | 6 | 12 |
| x4 | | |
| x5 | | |
| x6 | | |
| x7 | | |
| x8 | | |
| x9 | | |
| x10 | | |
| x11 | | |
| x12 | | |

1) Find the product of **4 × 6**.

**STEP 1**
_____ is related to _____

**STEP 2**
Double _____
___ + ___ = ___

**STEP 3**
The product of _____ = _____

2) Find the product of **4 × 7**.

**STEP 1**
_____ is related to _____

**STEP 2**
Double _____
___ + ___ = ___

**STEP 3**
The product of _____ = _____

3) Find the product of **4 × 8**.

**STEP 1**
_____ is related to _____

**STEP 2**
Double _____
___ + ___ = _____

**STEP 3**
The product of _____ = _____

# EXPLORE THE 4s TIMES TABLE

**YOUR TURN!** (continued)

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**4) Find the product of 4 × 9.**

**STEP 1**

_____ is related to _____

**STEP 2**

**Double** _____ . _____ + _____ = _____

**STEP 3**

The product of _____ = _____

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**5) Find the product of 4 × 10.**

**STEP 1**

_____ is related to _____

**STEP 2**

**Double** _____ . _____ + _____ = _____

**STEP 3**

The product of _____ = _____

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**6) Find the product of 4 × 11.**

**STEP 1**

_____ is related to _____

**STEP 2**

**Double** _____ . _____ + _____ = _____

**STEP 3**

The product of _____ = _____

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**7) Find the product of 4 × 12.**

**STEP 1**

_____ is related to _____

**STEP 2**

**Double** _____ . _____ + _____ = _____

**STEP 3**

The product of _____ = _____

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# MULTIPLICATION
## 4s TIMES TABLE ACTIVITY

Name: _____  Date: _____

**Directions**: *Glue the "Related Facts" cards in the correct boxes. Solve the equation.*

| | | |
|---|---|---|
| 1) Use related facts to solve. | 2) Use related facts to solve. | 3) Use related facts to solve. |
| **4 x 8** | **3 x 4** | **4 x 6** |
| $2 \times 8 = 16$ AND $16 + 16 = 32$ | | |
| So…4 x 8 = <u>32</u> | So…3 x 4 = ___ | So… 4 x 6 = __ |
| 4) Use related facts to solve. | 5) Use related facts to solve. | 6) Use related facts to solve. |
| **5 x 4** | **4 x 12** | **7 x 4** |
| | | |
| So… 5 x 4 = ___ | So…4 x 12 = __ | So…7 x 4 = ___ |
| 7) Use related facts to solve. | 8) Use related facts to solve. | 9) Use related facts to solve. |
| **4 x 11** | **10 x 4** | **4 x 9** |
| | | |
| So…4 x 11 = __ | So…10 x 4 = __ | So…4 x 9 = ___ |

# MULTIPLICATION
## 4s TIMES TABLE ACTIVITY

# RELATED FACTS CUT-OUTS

| | | |
|---|---|---|
| **2 x 9 = 18**<br>AND<br>**18 + 18 = 36** | **7 x 2 = 14**<br>AND<br>**14 + 14 = 28** | **2 x 6 = 12**<br>AND<br>**12 + 12 = 24** |
| **2 x 12 = 24**<br>AND<br>**24 + 24 = 48** | **5 x 2 = 10**<br>AND<br>**10 + 10 = 20** | **2 x 8 = 16**<br>AND<br>**16 + 16 = 32** |
| **2 x 11 = 22**<br>AND<br>**22 + 22 = 44** | **3 x 2 = 6**<br>AND<br>**6 + 6 = 12** | |