Multiplication Mania! Ten 3rd Grade Multiplication Worksheets

Help your third grader master her times tables with this collection of multiplication worksheets.
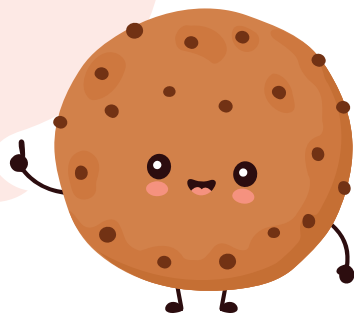
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Name _____

Date _____

MULTIPLYING BY THREE

Multiply the problems below to find the total number of chocolate chips.

EXAMPLE: There are three cookies. Each cookie has two chocolate chips. How many chocolate chips in all?
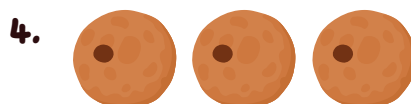
3 GROUPS OF 2 CHOCOLATE CHIPS = 3 × 2 = 6

1.

_____ groups of _____

_____ × _____

_____ total chips

2.

_____ groups of _____

_____ × _____

_____ total chips

3.

_____ groups of _____

_____ × _____

_____ total chips

4.

_____ groups of _____

_____ × _____

_____ total chips

5.

_____ groups of _____

_____ × _____

_____ total chips

6.

_____ groups of _____

_____ × _____

_____ total chips

Multiply!

Help Alex the multiplication sign complete his multiplication table.

x	0	1	2	3	4	5	6	7	8	9	10
0	0	0	0	0	0	0	0		0	0	0
1	0	1	2	3	4		6	7	8	9	10
2		2	4	6	8	10	12	14		18	20
3	0	3	6	9	12	15	18		24	27	30
4	0	4		12	16	20	24	28		36	40
5	0		10	15	20	25	30	35	40	45	
6		6	12	18	24	30		42	48	54	60
7	0	7	14	21		35	42	49		63	70
8	0	8	16		32	40	48	56	64		80
9	0	9	18	27	36		54	63	72	81	90
10	0	10	20		40	50	60	70	80	90	100

Multiplying by Ten

Find the **product**.

10 × 1	2 ×10	10 × 4	10 × 3
4 ×10	3 ×10	10 × 5	10 × 7
10 × 8	6 ×10	10 ×10	10 × 2
9 ×10	7 × 10	10 × 6	5 ×10

Fill in the multiplication chart.

x	1	2	3	4	5	6	7	8	9	10
10										

Movie Multiplication

Find the **product** using **regrouping**.
Show your work!

49 × 3	76 × 4	25 × 2
33 × 8	18 × 7	54 × 8
69 × 3	42 × 5	84 × 2
75 × 7	56 × 3	92 × 6

Multiplication Boot Camp

Let's practice multiplication together! Follow the example below:

First multiply two times three.

```
 13
x 2
----
  6
```

Then multiply two times one.

```
 13
x 2
----
 26
```

Solve each problem below and write down your answers.

12 x 3	10 x 1	11 x 2	10 x 6	11 x 3	10 x 3
10 x 5	13 x 4	11 x 1	12 x 0	10 x 9	11 x 7
20 x 1	10 x 4	11 x 9	12 x 1	10 x 7	11 x 8
10 x 2	12 x 2	13 x 6	12 x 4	11 x 5	10 x 8
20 x 3	31 x 3	40 x 4	30 x 2	21 x 4	20 x 2

Multiply It!

Solve each **multiplication word problem**.   Show your work!

An octopus has 8 legs.
Kyle counted 5 octopi in the tank.
How many legs are there in the
tank?

....

Vera owns 17 pairs of socks.
How many socks does she have
in all?

....

Eric owns 12 pairs of sunglasses.
Alan owns 3 times more than Eric
owns. How many pairs of
sunglasses does Alan own?

....

Peter Planter has 7 rows of
pineapple plants with 8 plants in
each row. How many pineapple
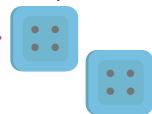plants does he have?

....

Uri and his family eat 2 loaves of
bread a day. Each loaf has 6
slices. How many slices of bread
do Uri and his family
eat in 4 days?

....

Yolanda makes 3 sweaters a day.
She sews 6 buttons onto each
sweater she makes. How many
buttons will she sew in 3 days?

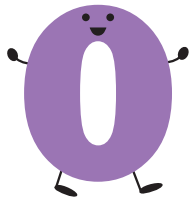......................................

Numbers Party!

All of the numbers are off partying! It's up to you to complete each equation by writing the missing digit or digits in the box.

$3 \times \boxed{} = 6$

$\boxed{} \times 6 = 48$

$6 \times \boxed{} = 18$

$\boxed{} \times 4 = 8$

$\boxed{} \times 8 = 32$

$10 \times 1 = \boxed{}$

$4 \times \boxed{} = 20$

$5 \times 6 = \boxed{}$

$\boxed{} \times 2 = 14$

$6 \times \boxed{} = 0$

$9 \times \boxed{} = 27$

$7 \times 8 = \boxed{}$

$5 \times 5 = \boxed{}$

$\boxed{} \times 7 = 42$

$8 \times \boxed{} = 64$

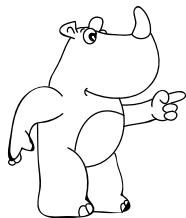$6 \times 9 = \boxed{}$

$7 \times \boxed{} = 28$

$\boxed{} \times 5 = 45$

Multiplication with Regrouping

Multiplication with regrouping is the easiest way to multiply by large numbers.
Follow the steps below to learn how.

-First, multiply the numbers in the ones place.

-Write your result in the ones place and carry any number in the tens place forward.

-Next, multiply the number in the tens place by the bottom number in the ones place.

-Add the extra number you carried over to your result and write this number in the tens place.

Example:

Multiply the ones place.
$$\begin{array}{r} 17 \\ \times\ 3 \\ \hline 1 \end{array}$$
7 x 3 = 21

Carry the 2 to the tens place.
$$\begin{array}{r} {}^{2}17 \\ \times\ 3 \\ \hline 1 \end{array}$$

Multiply the tens place by the bottom ones place.
$$\begin{array}{r} {}^{2}17 \\ \times\ 3 \\ \hline 1 \end{array}$$
1 x 3 = 3

Add the extra 2 and write your result.
$$\begin{array}{r} {}^{2}17 \\ \times\ 3 \\ \hline 51 \end{array}$$
3 + 2 = 5

For each problem below, follow the steps used in the example to find your solution.
Be sure to show all of your work.

1) $\begin{array}{r} 24 \\ \times\ 3 \\ \hline \end{array}$ 5) $\begin{array}{r} 13 \\ \times\ 4 \\ \hline \end{array}$ 9) $\begin{array}{r} 12 \\ \times\ 5 \\ \hline \end{array}$ 13) $\begin{array}{r} 19 \\ \times\ 3 \\ \hline \end{array}$ 17) $\begin{array}{r} 14 \\ \times\ 4 \\ \hline \end{array}$ 21) $\begin{array}{r} 15 \\ \times\ 6 \\ \hline \end{array}$

2) $\begin{array}{r} 16 \\ \times\ 4 \\ \hline \end{array}$ 6) $\begin{array}{r} 38 \\ \times\ 2 \\ \hline \end{array}$ 10) $\begin{array}{r} 29 \\ \times\ 3 \\ \hline \end{array}$ 14) $\begin{array}{r} 24 \\ \times\ 4 \\ \hline \end{array}$ 18) $\begin{array}{r} 28 \\ \times\ 4 \\ \hline \end{array}$ 22) $\begin{array}{r} 17 \\ \times\ 3 \\ \hline \end{array}$

3) $\begin{array}{r} 16 \\ \times\ 2 \\ \hline \end{array}$ 7) $\begin{array}{r} 35 \\ \times\ 2 \\ \hline \end{array}$ 11) $\begin{array}{r} 18 \\ \times\ 4 \\ \hline \end{array}$ 15) $\begin{array}{r} 27 \\ \times\ 2 \\ \hline \end{array}$ 19) $\begin{array}{r} 13 \\ \times\ 7 \\ \hline \end{array}$ 23) $\begin{array}{r} 12 \\ \times\ 7 \\ \hline \end{array}$

4) $\begin{array}{r} 25 \\ \times\ 2 \\ \hline \end{array}$ 8) $\begin{array}{r} 17 \\ \times\ 4 \\ \hline \end{array}$ 12) $\begin{array}{r} 36 \\ \times\ 2 \\ \hline \end{array}$ 16) $\begin{array}{r} 18 \\ \times\ 3 \\ \hline \end{array}$ 2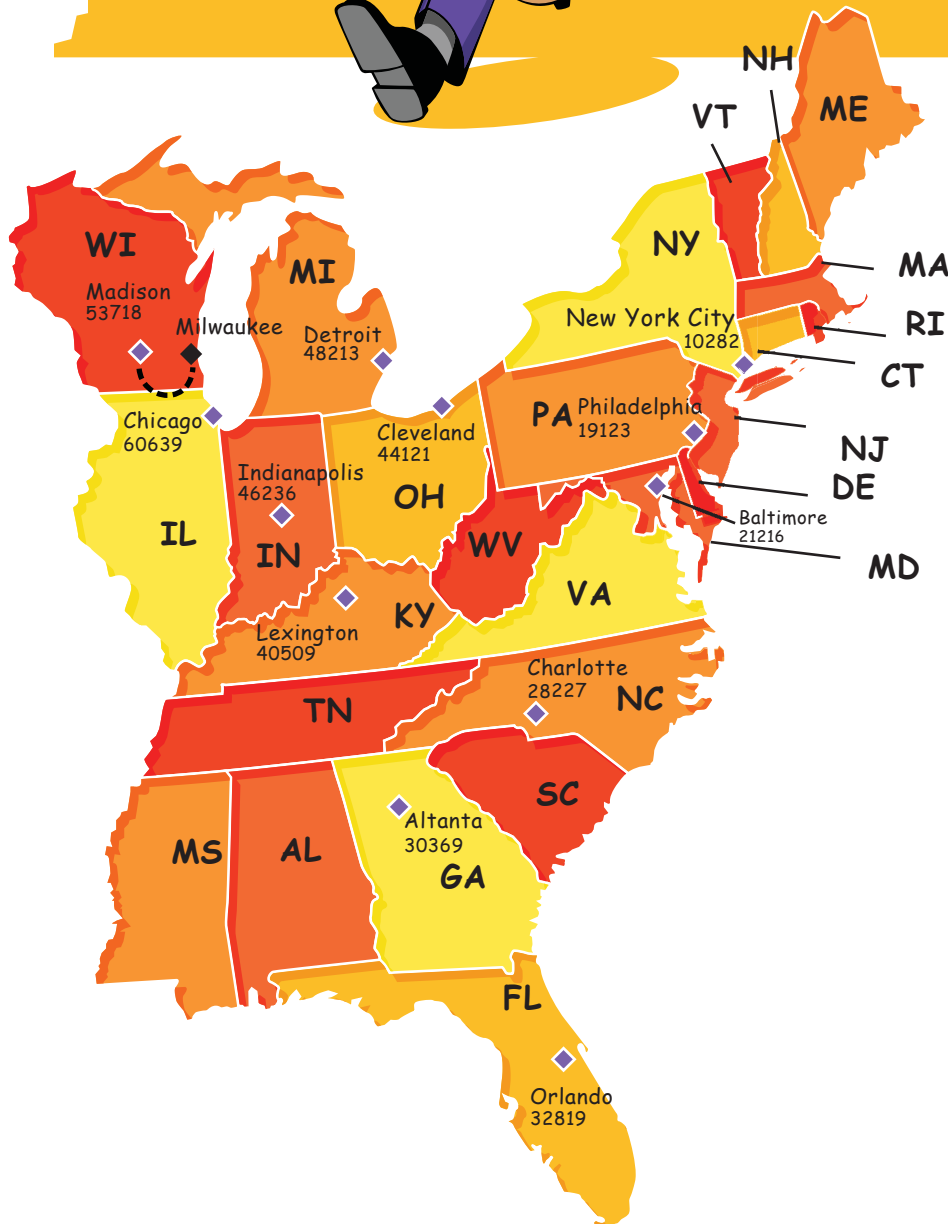0) $\begin{array}{r} 24 \\ \times\ 3 \\ \hline \end{array}$ 24) $\begin{array}{r} 72 \\ \times\ 9 \\ \hline \end{array}$

Zoey Chase is on the Case!
Zip Code Caper: East Coast USA

4th Grade

Detective Zoey Chase is searching for Shady Steele throughout the Eastern United States after he escaped from jail in Milwaukee, Wisconsin. Help Zoey follow Shady by solving the following multiplication problems and drawing a line to each city and zip code where he stops in the order the problems are given.

1.
$$2{,}558 \times 21$$
2,558
+ 51,160
53,718
Madison

2.
$$493 \times 123$$

3.
$$3{,}853 \times 12$$

4.
$$191 \times 159$$

5.
$$887 \times 37$$

6.
$$291 \times 97$$

7.
$$221 \times 96$$

8.
$$1{,}471 \times 13$$

9.
$$106 \times 97$$

10.
$$643 \times 63$$

11.
$$231 \times 191$$

12.
$$487 \times 99$$

Madison 53718
Milwaukee
Detroit 48213
Chicago 60639
Cleveland 44121
Philadelphia 19123
New York City 10282
Indianapolis 46236
Baltimore 21216
Lexington 40509
Charlotte 28227
Altanta 30369
Orlando 32819

NH
VT
ME
NY
MA
RI
CT
NJ
DE
MD
PA
WI
MI
IL
IN
OH
WV
VA
KY
TN
NC
SC
GA
MS
AL
FL

Multiplying by Multiples of 10: Practice

Solve the problems and then match the letter of the problem to the correct number at the bottom of the page to learn the punchline.

What is the strongest creature in the sea?

U: 5 x 30 = _____

E: 90 x 2 = _____

A: 4 x 70 = _____

L: 20 x 8 = _____

S: 6 x 50 = _____

M: 40 x 3 = _____

S: 60 x 5 = _____

F: 20 x 5 = _____

The Answer is:

_____   _____ _____ _____ _____ _____ _____
  280   120   150   300   300   180   160
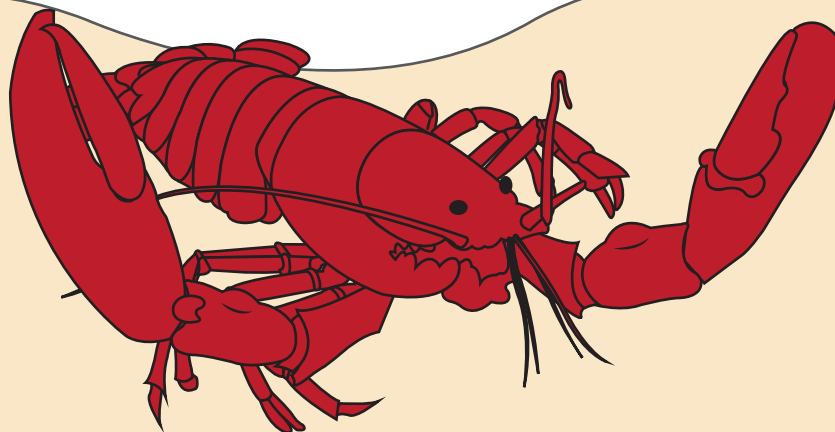
Answer Sheets

Multiplication Mania! Ten 3rd Grade Multiplication Worksheets

Multiplying by 3
Alex's Multiplication Table
Multiplying by Ten
2-Digit by 1-Digit Multiplication
Multiplication Word Problems: Multiply It!
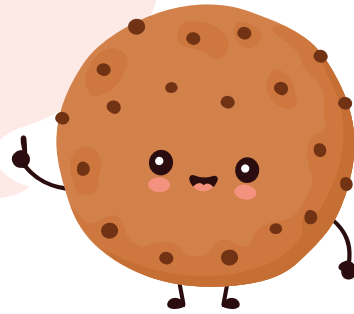Multiplication Fun
Multiplication with Regrouping
Silly Seahorse Multiplication Practice

MULTIPLYING BY THREE

Multiply the problems below to find the total number of chocolate chips.

EXAMPLE: There are three cookies. Each cookie has two chocolate chips. How many chocolate chips in all?

3 GROUPS OF 2 CHOCOLATE CHIPS = 3 × 2 = 6

1.

___3___ groups of ___4___
___3___ × ___4___
___12___ total chips

2.

___3___ groups of ___5___
___3___ × ___5___
___15___ total chips

3.

___3___ groups of ___3___
___3___ × ___3___
___9___ total chips

4.
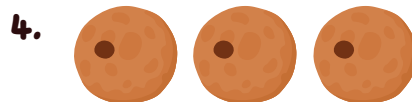
___3___ groups of ___1___
___3___ × ___1___
___3___ total chips

5.
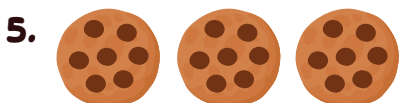
___3___ groups of ___7___
___3___ × ___7___
___21___ total chips

6.
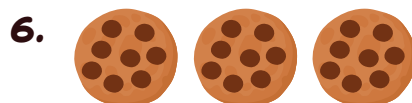
___3___ groups of ___8___
___3___ × ___8___
___24___ total chips

Multiply!

Help Alex the multiplication sign complete his multiplication table.

x	0	1	2	3	4	5	6	7	8	9	10
0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10
2	0	2	4	6	8	10	12	14	16	18	20
3	0	3	6	9	12	15	18	21	24	27	30
4	0	4	8	12	16	20	24	28	32	36	40
5	0	5	10	15	20	25	30	35	40	45	50
6	0	6	12	18	24	30	36	42	48	54	60
7	0	7	14	21	28	35	42	49	56	63	70
8	0	8	16	24	32	40	48	56	64	72	80
9	0	9	18	27	36	45	54	63	72	81	90
10	0	10	20	30	40	50	60	70	80	90	100

Multiplying by Ten

Find the **product**.

10 × 1 **10**	2 ×10 **20**	10 × 4 **40**	10 × 3 **30**
4 ×10 **40**	3 ×10 **30**	10 × 5 **50**	10 × 7 **70**
10 × 8 **80**	6 ×10 **60**	10 ×10 **100**	10 × 2 **20**
9 ×10 **90**	7 × 10 **70**	10 × 6 **60**	5 ×10 **50**

Fill in the multiplication chart.

×	1	2	3	4	5	6	7	8	9	10
10	10	20	30	40	50	60	70	80	90	100

Movie Multiplication

Find the **product** using **regrouping**
Show your work!

$$\begin{array}{r} {}^{2}49 \\ \times\ \ 3 \\ \hline 147 \end{array}$$

$$\begin{array}{r} {}^{2}76 \\ \times\ \ 4 \\ \hline 304 \end{array}$$

$$\begin{array}{r} {}^{1}25 \\ \times\ \ 2 \\ \hline 50 \end{array}$$

$$\begin{array}{r} {}^{2}33 \\ \times\ \ 8 \\ \hline 264 \end{array}$$

$$\begin{array}{r} {}^{5}18 \\ \times\ \ 7 \\ \hline 126 \end{array}$$

$$\begin{array}{r} {}^{3}54 \\ \times\ \ 8 \\ \hline 432 \end{array}$$

$$\begin{array}{r} {}^{2}69 \\ \times\ \ 3 \\ \hline 207 \end{array}$$

$$\begin{array}{r} {}^{1}42 \\ \times\ \ 5 \\ \hline 210 \end{array}$$

$$\begin{array}{r} 84 \\ \times\ \ 2 \\ \hline 168 \end{array}$$

$$\begin{array}{r} {}^{3}75 \\ \times\ \ 7 \\ \hline 525 \end{array}$$

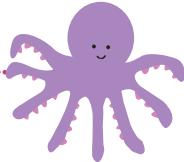$$\begin{array}{r} {}^{1}56 \\ \times\ \ 3 \\ \hline 168 \end{array}$$

$$\begin{array}{r} {}^{1}92 \\ \times\ \ 6 \\ \hline 552 \end{array}$$

ADMIT ONE 980000
ADMIT ONE 980000

Multiply It!

Solve each **multiplication word problem**. Show your work!

An octopus has 8 legs.
Kyle counted 5 octopi in the tank.
How many legs are there in the tank?

....

8x5=40

There are 40 legs in the tank.

Vera owns 17 pairs of socks.
How many socks does she have in all?

....

17x2=34

Vera owns 34 socks.

Eric owns 12 pairs of sunglasses.
Alan owns 3 times more than Eric owns. How many pairs of sunglasses does Alan own?

....

12x3=36

Alan owns 36 pairs of sunglasses.

Peter Planter has 7 rows of pineapple plants with 8 plants in each row. How many pineapple plants does he have?

....
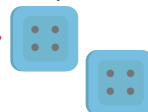
7x8=56

Peter Planter has 56 pineapple plants.

Uri and his family eat 2 loaves of bread a day. Each loaf has 6 slices. How many slices of bread do Uri and his family eat in 4 days?

....

2x6x4=48

Uri and his family eat 48 slices of bread in 4 days.

Yolanda makes 3 sweaters a day. She sews 6 buttons onto each sweater she makes. How many buttons will she sew in 3 days?
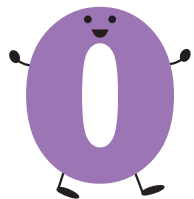
....

3x6x3=54

Yolanda sews 54 buttons in 3 days.

Numbers Party!

All of the numbers are off partying! It's up to you to complete each equation by writing the missing digit or digits in the box.

$3 \times 2 = 6$

$8 \times 6 = 48$

$6 \times 3 = 18$

$2 \times 4 = 8$

$4 \times 8 = 32$

$10 \times 1 = 10$

$4 \times 5 = 20$

$5 \times 6 = 30$

$7 \times 2 = 14$

$6 \times 0 = 0$

$9 \times 3 = 27$

$7 \times 8 = 56$

$5 \times 5 = 25$
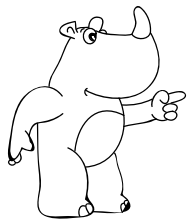
$6 \times 7 = 42$

$8 \times 8 = 64$

$6 \times 9 = 54$

$7 \times 4 = 28$

$9 \times 5 = 45$

Multiplication with Regrouping

Multiplication with regrouping is the easiest way to multiply by large numbers.
Follow the steps below to learn how.

-First, multiply the numbers in the ones place.

-Write your result in the ones place and carry any number in the tens place forward.

-Next, multiply the number in the tens place by the bottom number in the ones place.

-Add the extra number you carried over to your result and write this number in the tens place.

Example:

Multiply the ones place.

$$\begin{array}{r} 17 \\ \times\ 3 \\ \hline 1 \end{array}$$

7 x 3 = 21

Carry the 2 to the tens place.

$$\begin{array}{r} {}^{2}17 \\ \times\ 3 \\ \hline 1 \end{array}$$

Multiply the tens place by the bottom ones place.

$$\begin{array}{r} {}^{2}17 \\ \times\ 3 \\ \hline 1 \end{array}$$

1 x 3 = 3

Add the extra 2 and write your result.

$$\begin{array}{r} {}^{2}17 \\ \times\ 3 \\ \hline 51 \end{array}$$

3 + 2 = 5

For each problem below, follow the steps used in the example to find your solution.
Be sure to show all of your work.

1) $\begin{array}{r} 24 \\ \times\ 3 \\ \hline 72 \end{array}$ 5) $\begin{array}{r} 13 \\ \times\ 4 \\ \hline 52 \end{array}$ 9) $\begin{array}{r} 12 \\ \times\ 5 \\ \hline 60 \end{array}$ 13) $\begin{array}{r} 19 \\ \times\ 3 \\ \hline 57 \end{array}$ 17) $\begin{array}{r} 14 \\ \times\ 4 \\ \hline 56 \end{array}$ 21) $\begin{array}{r} 15 \\ \times\ 6 \\ \hline 90 \end{array}$

2) $\begin{array}{r} 16 \\ \times\ 4 \\ \hline 64 \end{array}$ 6) $\begin{array}{r} 38 \\ \times\ 2 \\ \hline 76 \end{array}$ 10) $\begin{array}{r} 29 \\ \times\ 3 \\ \hline 87 \end{array}$ 14) $\begin{array}{r} 24 \\ \times\ 4 \\ \hline 96 \end{array}$ 18) $\begin{array}{r} 28 \\ \times\ 4 \\ \hline 112 \end{array}$ 22) $\begin{array}{r} 17 \\ \times\ 3 \\ \hline 51 \end{array}$

3) $\begin{array}{r} 16 \\ \times\ 2 \\ \hline 32 \end{array}$ 7) $\begin{array}{r} 35 \\ \times\ 2 \\ \hline 70 \end{array}$ 11) $\begin{array}{r} 18 \\ \times\ 4 \\ \hline 72 \end{array}$ 15) $\begin{array}{r} 27 \\ \times\ 2 \\ \hline 54 \end{array}$ 19) $\begin{array}{r} 13 \\ \times\ 7 \\ \hline 91 \end{array}$ 23) $\begin{array}{r} 12 \\ \times\ 7 \\ \hline 84 \end{array}$

4) $\begin{array}{r} 25 \\ \times\ 2 \\ \hline 50 \end{array}$ 8) $\begin{array}{r} 17 \\ \times\ 4 \\ \hline 68 \end{array}$ 12) $\begin{array}{r} 36 \\ \times\ 2 \\ \hline 72 \end{array}$ 16) $\begin{array}{r} 18 \\ \times\ 3 \\ \hline 54 \end{array}$ 20) $\begin{array}{r} 24 \\ \times\ 3 \\ \hline 72 \end{array}$ 24) $\begin{array}{r} 72 \\ \times\ 9 \\ \hline 648 \end{array}$

Multiplying by Multiples of 10: Practice

Solve the problems and then match the letter of the problem to the correct number at the bottom of the page to learn the punchline.

What is the strongest creature in the sea?

U: $5 \times 30 =$ ___150___

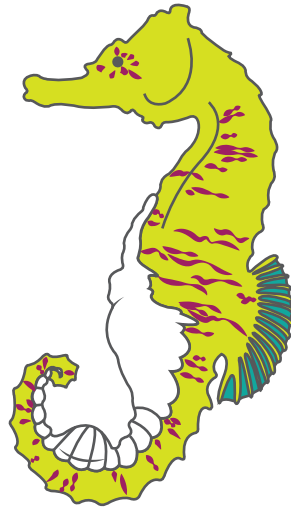E: $90 \times 2 =$ ___180___

A: $4 \times 70 =$ ___280___

L: $20 \times 8 =$ ___160___

S: $6 \times 50 =$ ___300___

M: $40 \times 3 =$ ___120___

S: $60 \times 5 =$ ___300___

F: $20 \times 5 =$ ___100___

The Answer is:

A	M	U	S	S	E	L
280	120	150	300	300	180	160