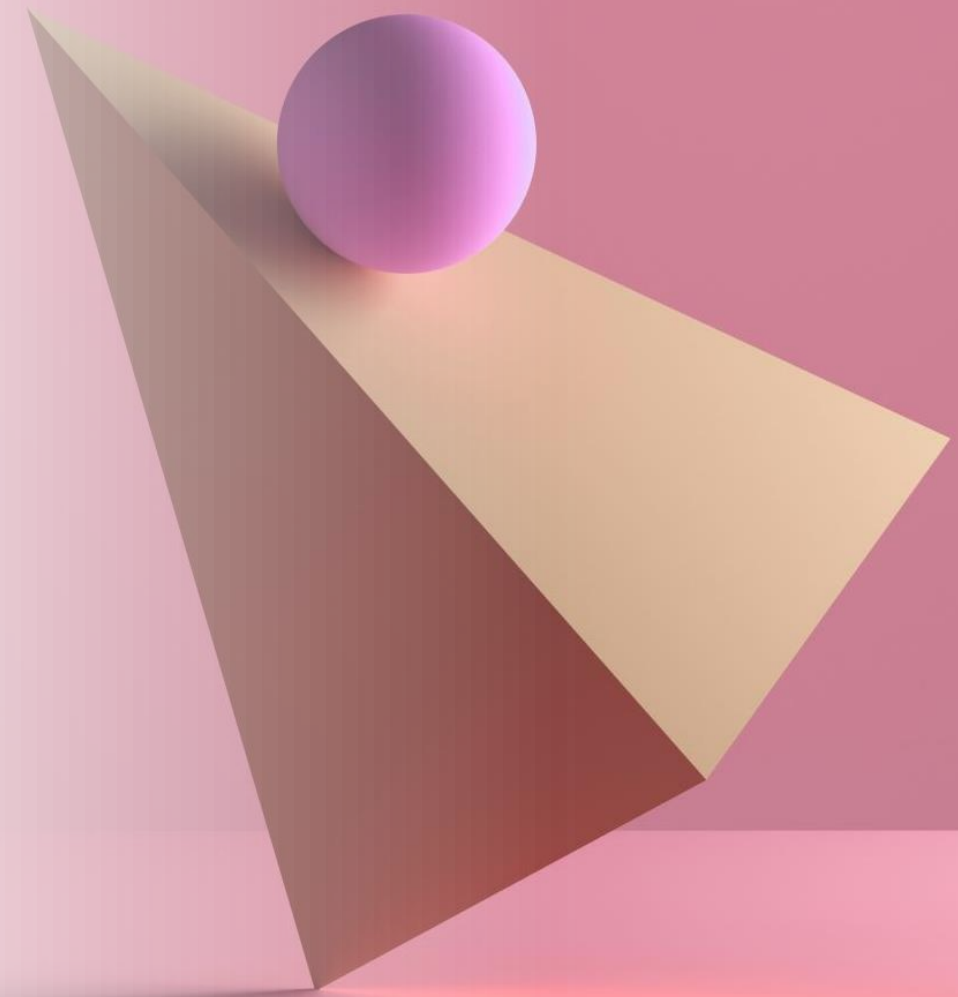
# WEEK 6

Times Tables



# L.O. Can I learn my Times Tables?

This is a great opportunity to be really prepared for Year 4.

Knowing your tables will be so helpful.

You need to revise the 2x, 5x and 10x tables from Year 2..

This year we have learnt the 3x, 4x and 8x tables.

Keep practising throughout the holiday!

# How can I learn my tables?

- Recite, Recite, Recite
- Complete the maths sheets in this PowerPoint.
- Online games. For example, Rockstar.
- Make up a Times Tables rap.
- Make a poster of the tricky tables. Display it in your bedroom.
- Ask a family member to test you.

# DAY 1

Bitesize lesson:

3x Table


3 Times Table
0 x 3 = 0
1 x 3 = 3
2 x 3 = 6
3 x 3 = 9
4 x 3 = 12
5 x 3 = 15
6 x 3 = 18
7 x 3 = 21
8 x 3 = 24
9 x 3 = 27
10 x 3 = 30
11 x 3 = 33
12 x 3 = 36

# DAY 2

- 4x Table

# 4 Times Table

| | | | | |
|---|---|---|---|---|
| 0 | x | 4 | = | 0 |
| 1 | x | 4 | = | 4 |
| 2 | x | 4 | = | 8 |
| 3 | x | 4 | = | 12 |
| 4 | x | 4 | = | 16 |
| 5 | x | 4 | = | 20 |
| 6 | x | 4 | = | 24 |
| 7 | x | 4 | = | 28 |
| 8 | x | 4 | = | 32 |
| 9 | x | 4 | = | 36 |
| 10 | x | 4 | = | 40 |
| 11 | x | 4 | = | 44 |
| 12 | x | 4 | = | 48 |

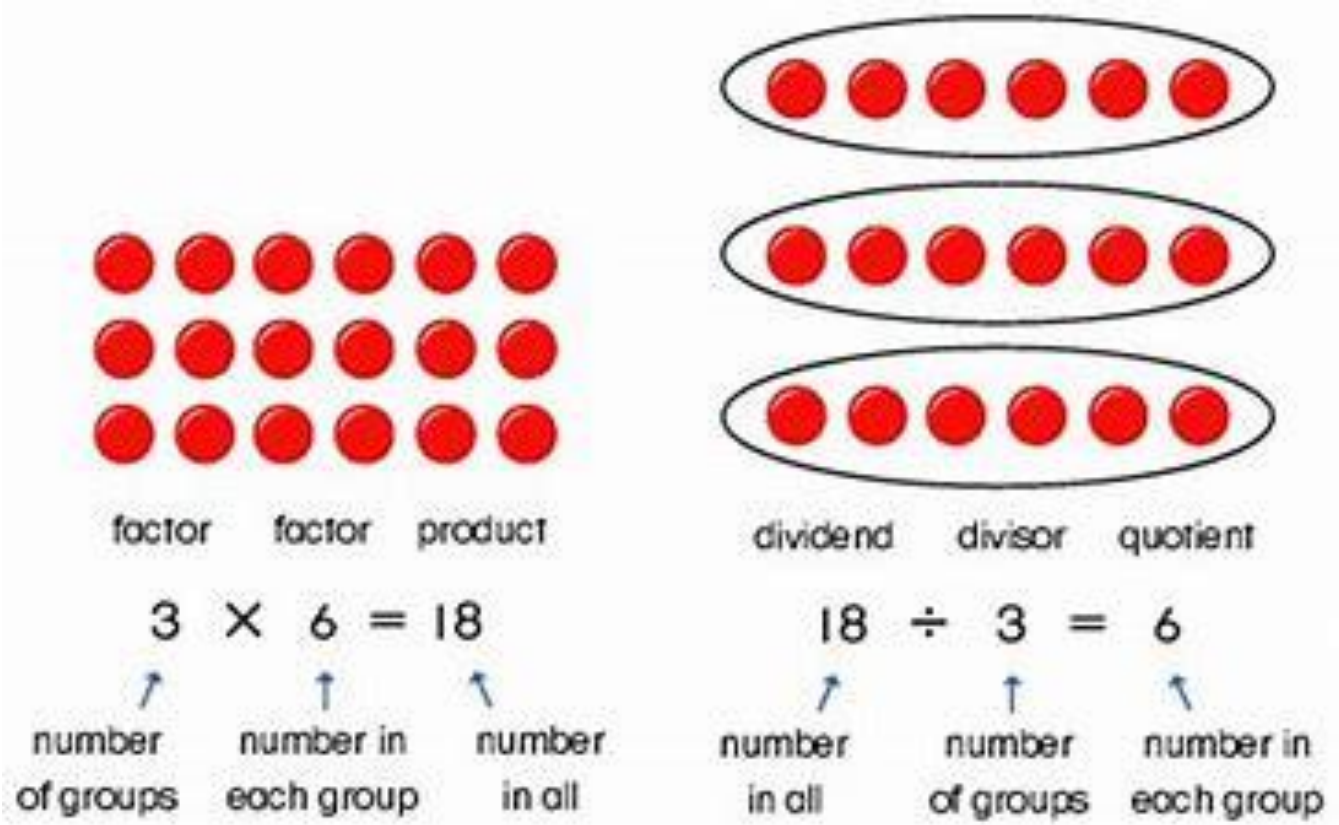
# Question?

What does
***inverse*** mean?

# For example...

You could say that messy is the ***inverse*** of a clean (they are opposites and "undo" each other).

# Look at this!


factor factor product
3 × 6 = 18
number of groups
number in each group
number in all
dividend divisor quotient
18 ÷ 3 = 6
number in all
number of groups
number in each group

# L. O. Can I understand number families?

## INVERSE OPERATIONS

- Multiplication and Division are inverse operations.
- That means that they are related and are almost opposite.
- When you multiply you build something up: 3 x 6 = 18
- When you divide you break something down: 18 ÷ 6 = 3 (you could also do 18 ÷ 3 = 6)

| | |
|---|---|
| 4 x 6 = 24 | 24 = 4 x 6 |
| 6 x 4 = 24 | 24 = 6 x 4 |
| 24 ÷ 4 = 6 | 6 = 24 ÷ 4 |
| 24 ÷ 6 = 4 | 4 = 24 ÷ 6 |

Make your own number families for:

1. 9 x 4

2. 5 x 4

3. 12 x 4

# L.O. Can I understand the 4x table?

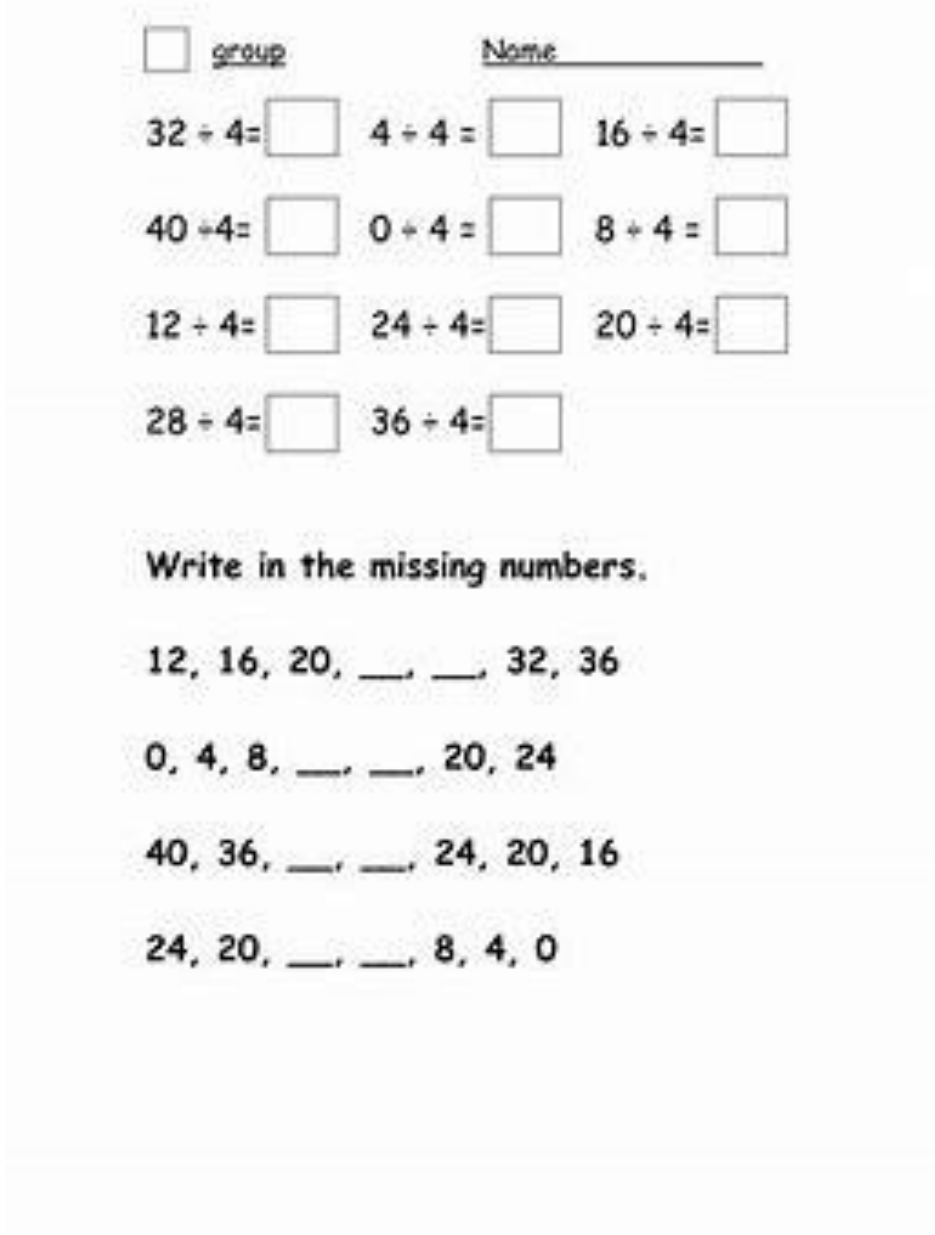
Name Date

## 4 Times Table

| | | |
|---|---|---|
| 4 X 12= | 4 X 2= | X 4=20 |
| 4 X 10= | 4 X 0= | X 4=8 |
| 4 X 11= | 4 X 3= | X 4=28 |
| 4 X 5= | 4 X 1= | X 4=40 |
| 4 X 8= | X 4=24 | X 4=32 |
| 4 X 6= | X 4=12 | X 4=4 |
| 4 X 9= | X 4=36 | X 4=44 |
| 4 X 4= | X 4=16 | X 4=0 |
| 4 X 7= | X 4=48 | 4 X =48 |

www.worksheetfun.com

# L. O. Can I divide by 4?



☐ group Name _____

32 ÷ 4= ☐ 4 ÷ 4 = ☐ 16 ÷ 4= ☐

40 ÷4= ☐ 0 ÷ 4 = ☐ 8 ÷ 4 = ☐

12 ÷ 4= ☐ 24 ÷ 4= ☐ 20 ÷ 4= ☐

28 ÷ 4= ☐ 36 ÷ 4= ☐

**Write in the missing numbers.**

12, 16, 20, __, __, 32, 36

0, 4, 8, __, __, 20, 24

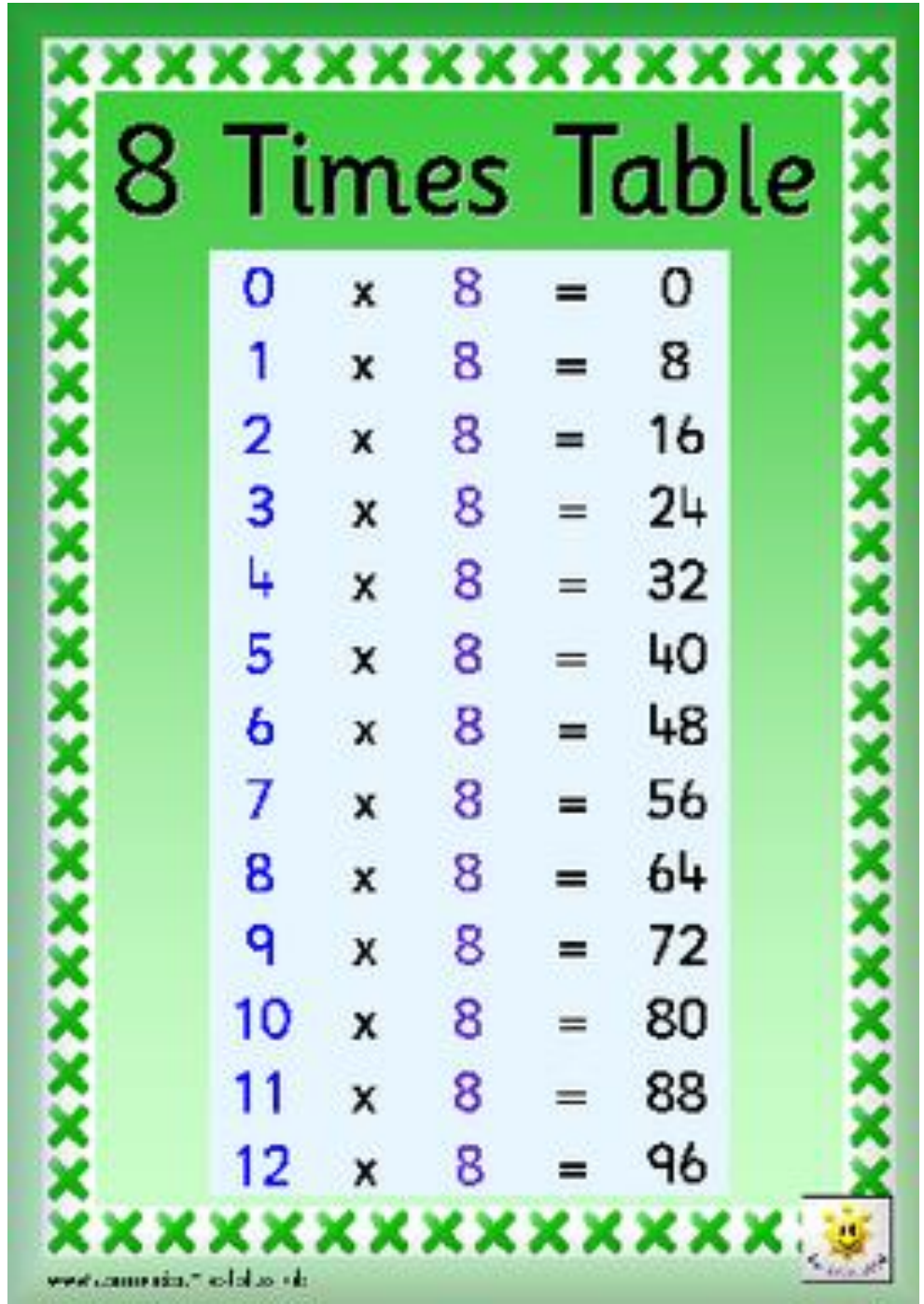
40, 36, __, __, 24, 20, 16

24, 20, __, __, 8, 4, 0

# DAY 3

Bitesize lesson

8x Table


8 Times Table
0 x 8 = 0
1 x 8 = 8
2 x 8 = 16
3 x 8 = 24
4 x 8 = 32
5 x 8 = 40
6 x 8 = 48
7 x 8 = 56
8 x 8 = 64
9 x 8 = 72
10 x 8 = 80
11 x 8 = 88
12 x 8 = 96

# DAY 4

- Multiplying and dividing by 10 and 100.

| 10 000 | 1000 | 100 | 10 | 1 | $\frac{1}{10}$ | $\frac{1}{100}$ | $\frac{1}{1000}$ |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

## Multiplying

| | |
|---|---|
| X 10 | digits move LEFT **1** space |
| X 100 | digits move LEFT **2** spaces |
| X 1000 | digits move LEFT **3** spaces |

## Dividing

| | |
|---|---|
| ÷ 10 | digits move RIGHT **1** space |
| ÷ 100 | digits move RIGHT **2** spaces |
| ÷ 1000 | digits move RIGHT **3** spaces |

# L.O. can I understand multiplication?

If a number is multiplied the number gets bigger.

So, 5 x 10 = 50 5 x 100 = 500

Try these:

10 x 10 = 10 x 100 =

3 x 10 = 3 x 100 =

9 x 10 = 9 x 100 =

15 x 10 = 15 x 100 =

21 x 10 = 21 x 100 =

# L.O. Can I understand division?

If you divide a number, then the number becomes smaller.

So, 50 ÷ 10 = 5

500 ÷ 100 = 5

Try these:

100 ÷ 10 =

30 ÷ 10 =

120 ÷ 10 =

250 ÷ 10 =

300 ÷ 10 =

1,000 ÷ 100 =

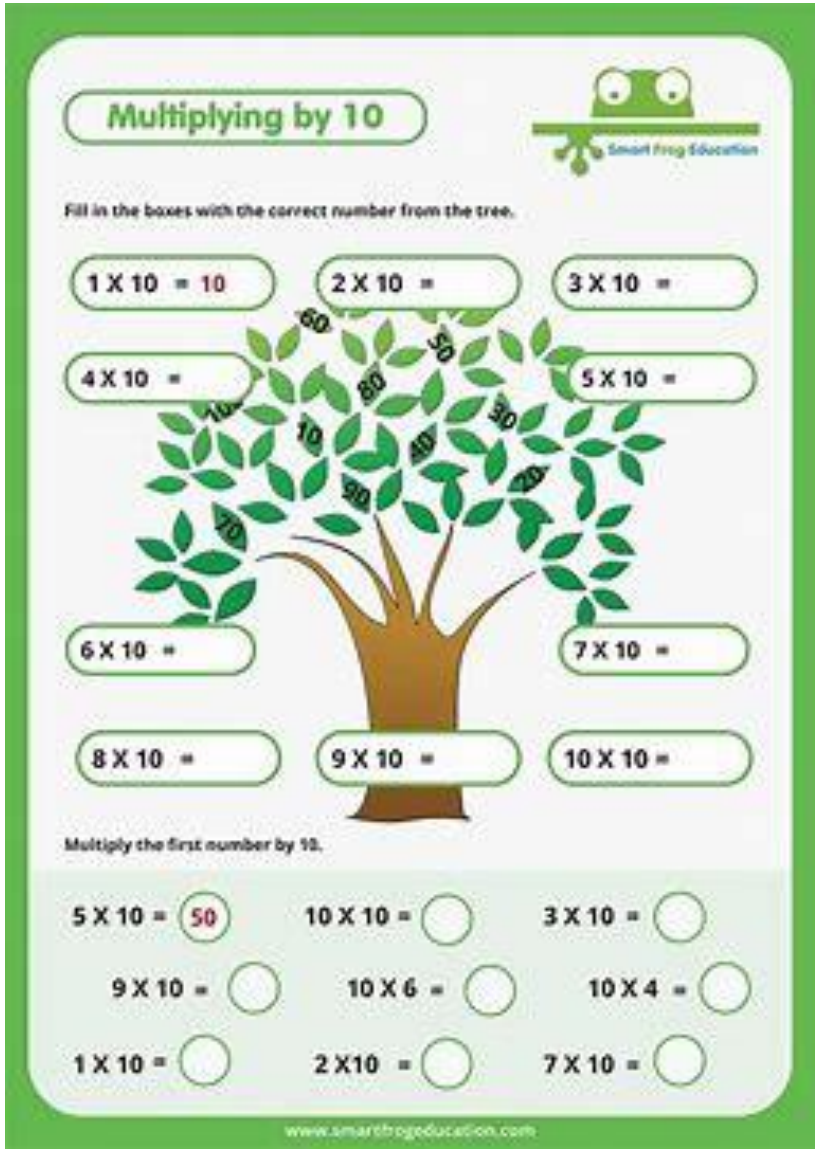
800 ÷ 100 =

200 ÷ 100 =

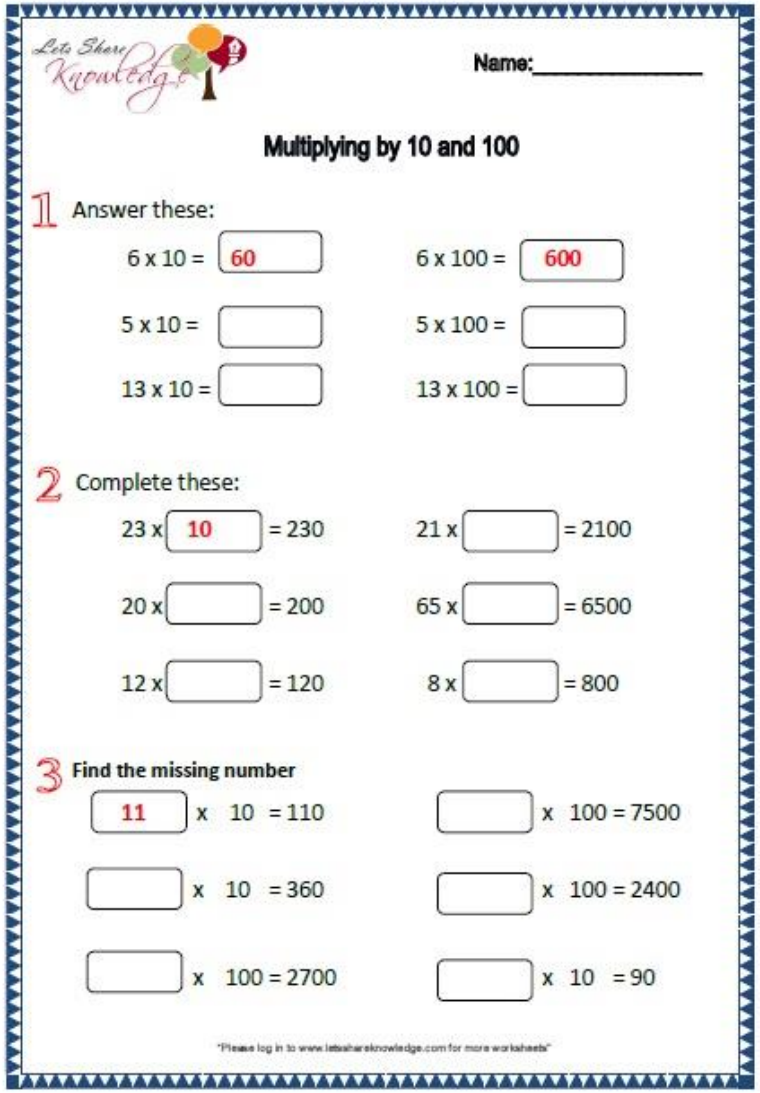
1,900 ÷ 100 =

600 ÷ 100 =

# L.O. can I multiply by 10?



# L.O. can I multiply by 10 and 100?



Name:_____

**Multiplying by 10 and 100**

**1** Answer these:

| | |
|---|---|
| 6 x 10 = 60 | 6 x 100 = 600 |
| 5 x 10 = | 5 x 100 = |
| 13 x 10 = | 13 x 100 = |

**2** Complete these:

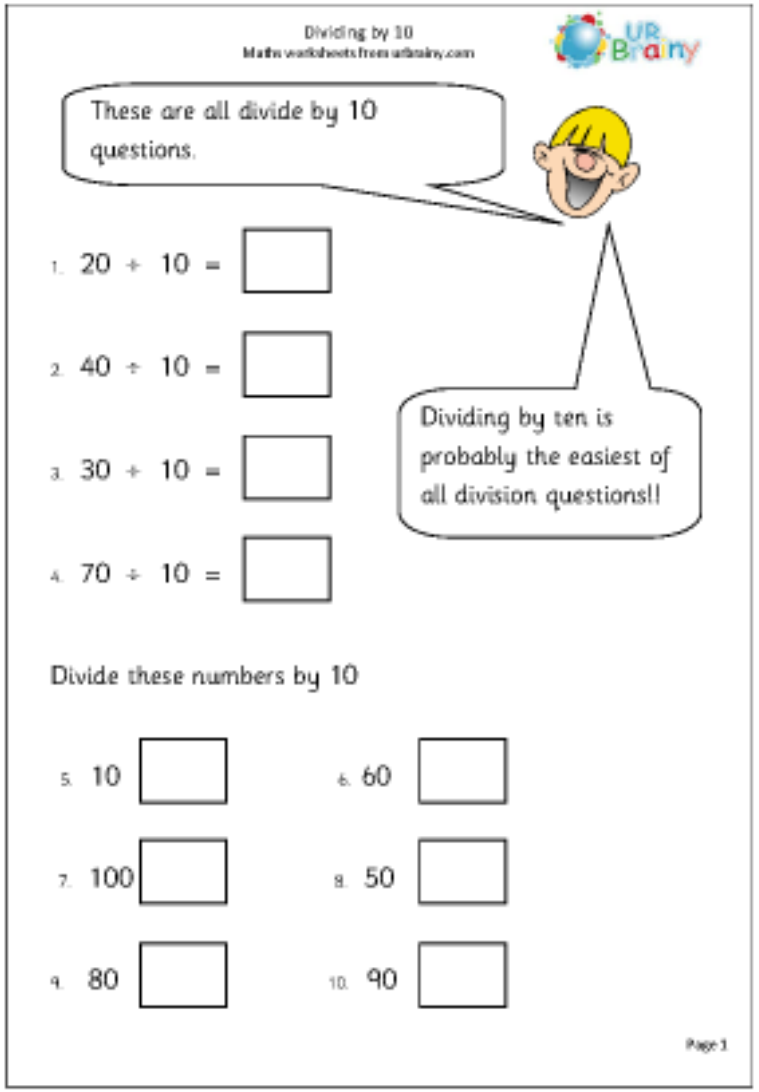
| | |
|---|---|
| 23 x 10 = 230 | 21 x = 2100 |
| 20 x = 200 | 65 x = 6500 |
| 12 x = 120 | 8 x = 800 |

**3** Find the missing number

| | |
|---|---|
| 11 x 10 = 110 | x 100 = 7500 |
| x 10 = 360 | x 100 = 2400 |
| x 100 = 2700 | x 10 = 90 |

"Please log in to www.letsshareknowledge.com for more worksheets"

# L.O. can I divide by 10?



Dividing by 10

Maths worksheets from urbrainy.com

These are all divide by 10 questions.

Dividing by ten is probably the easiest of all division questions!!

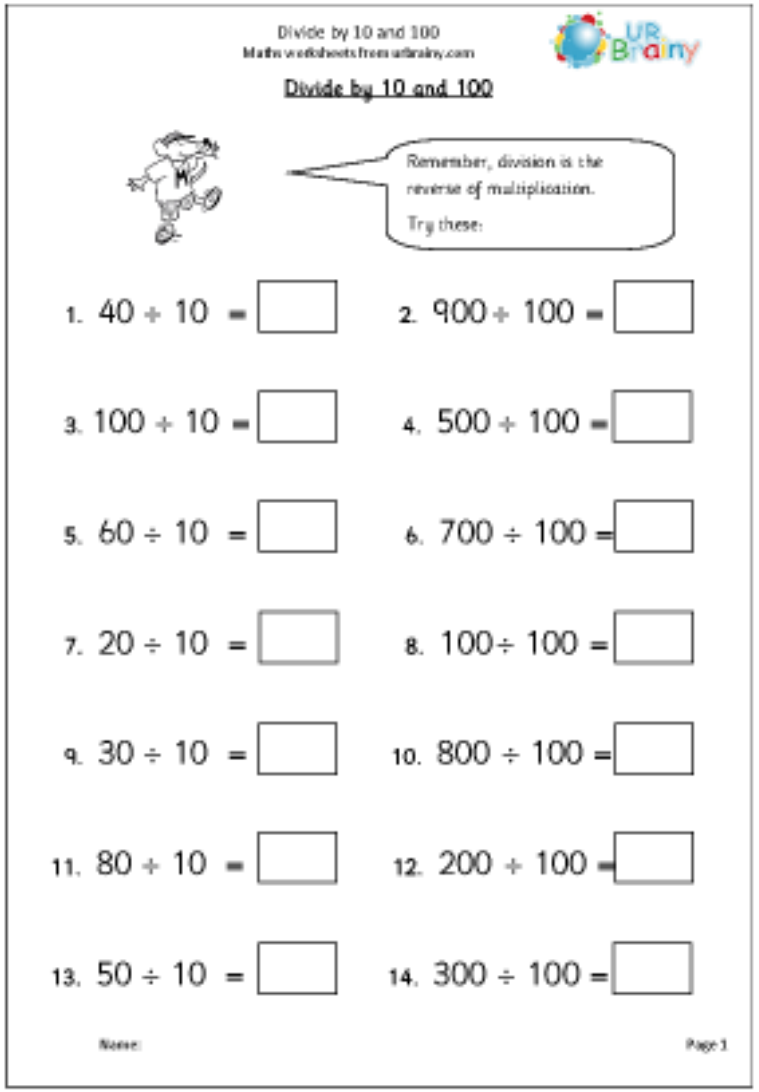
1. 20 ÷ 10 =
2. 40 ÷ 10 =
3. 30 ÷ 10 =
4. 70 ÷ 10 =

Divide these numbers by 10

5. 10
6. 60
7. 100
8. 50
9. 80
10. 90

Page 1

# L. O. Can I divide by 10 and 100?



Divide by 10 and 100

Maths worksheets from urbrainy.com

UR Brainy

## Divide by 10 and 100

Remember, division is the reverse of multiplication.

Try these:

1. 40 ÷ 10 = ☐
2. 900 ÷ 100 = ☐
3. 100 ÷ 10 = ☐
4. 500 ÷ 100 = ☐
5. 60 ÷ 10 = ☐
6. 700 ÷ 100 = ☐
7. 20 ÷ 10 = ☐
8. 100 ÷ 100 = ☐
9. 30 ÷ 10 = ☐
10. 800 ÷ 100 = ☐
11. 80 ÷ 10 = ☐
12. 200 ÷ 100 = ☐
13. 50 ÷ 10 = ☐
14. 300 ÷ 100 = ☐

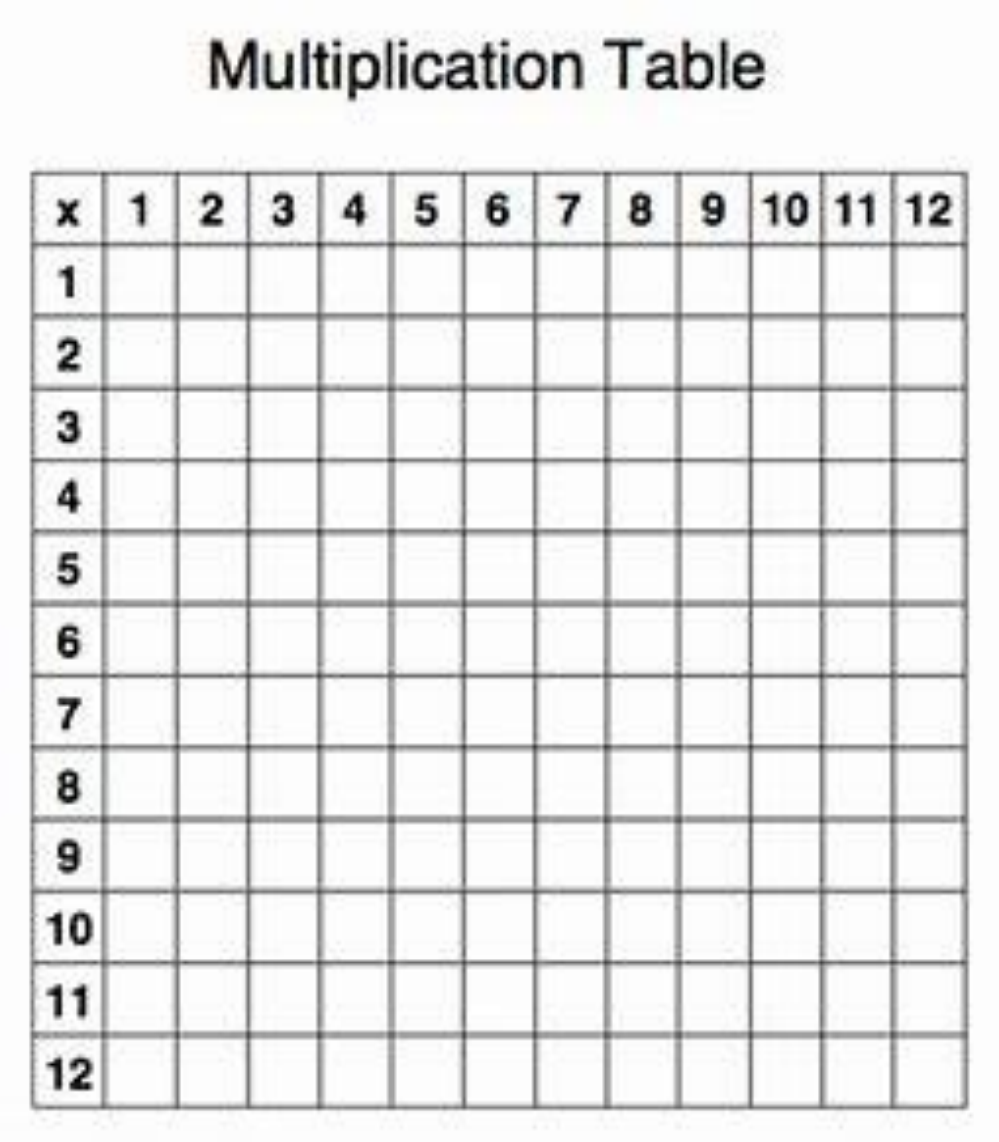
Name:

Page 1

# DAY 5

- Reasoning and word problems.

# How much of this table can you fill in?



Multiplication Table

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

# ANSWERS

## Multiplication Chart

### 1-12 Times Tables

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 |
| 3 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 | 33 | 36 |
| 4 | 4 | 8 | 12 | 16 | 20 | 24 | 28 | 32 | 36 | 40 | 44 | 48 |
| 5 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 |
| 6 | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 |
| 7 | 7 | 14 | 21 | 28 | 35 | 42 | 49 | 56 | 63 | 70 | 77 | 84 |
| 8 | 8 | 16 | 24 | 32 | 40 | 48 | 56 | 64 | 72 | 80 | 88 | 96 |
| 9 | 9 | 18 | 27 | 36 | 45 | 54 | 63 | 72 | 81 | 90 | 99 | 108 |
| 10 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 |
| 11 | 11 | 22 | 33 | 44 | 55 | 66 | 77 | 88 | 99 | 110 | 121 | 132 |
| 12 | 12 | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 | 132 | 144 |

# L.O. Can I solve 4x table questions?

## 4 x tables

1) David says "Because 4 is even, all multiples of 4 will be even."
Is David correct? Explain your reasoning.

2) Fill in the gaps below:

| | | | | | |
|---|---|---|---|---|---|
| | 8 | 12 | | | 24 |

3) Sarah says "I know my 4 times table so I can work out 4 x 90 without using a written method."

Explain why Sarah can do this.

4) Fill in the gaps below:

4 x _____ = 36

4 x _____ = 16

4 x _____ = 24

48 ÷ _____ = 4

12 ÷ 4 = _____

32 ÷ _____ = 4

# L.O. Can I solve word problems?

Name _____ Date _____

L.O. I can solve x and ÷ word problems.

1. Joe makes 5 trays of cakes. There are 10 cakes on each tray. How many cakes did he make altogether?

2. There are 5 children in a team. How many teams could you make with 40 children?

3. 12 children are at a party. They each eat 2 cakes. How many cakes are eaten altogether?

4. One spider has 8 legs. How many legs will 5 spiders have?

5. There are 7 days in one week. How many days are there in 5 weeks?

6. How many toes do 8 children have?

7. There are 60 worms in a bucket. Sam shares the worms fairly between 5 chickens. How many worms does each chicken get?

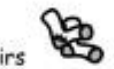
8. There are 4 wheels on one car. How many wheels will there be on 10 cars?

9. Daisy has 60 books. She gives half of them away. How many books does she have now?

10. There are 45 chairs. They get stacked in piles of 5. How many stacks of chairs will there be when they have been put away?

11. Eddie gave half of his cars to his brother. He now has 40. How many cars did he have to start with?

12. Dad is doing the washing. He has 50 socks. How many pairs of socks does he have?




# Answers

1. 50
2. 8
3. 24
4. 40
5. 35
6. 80
7. 12
8. 40
9. 30
10. 9
11. 80
12. 25

# CHALLENGE

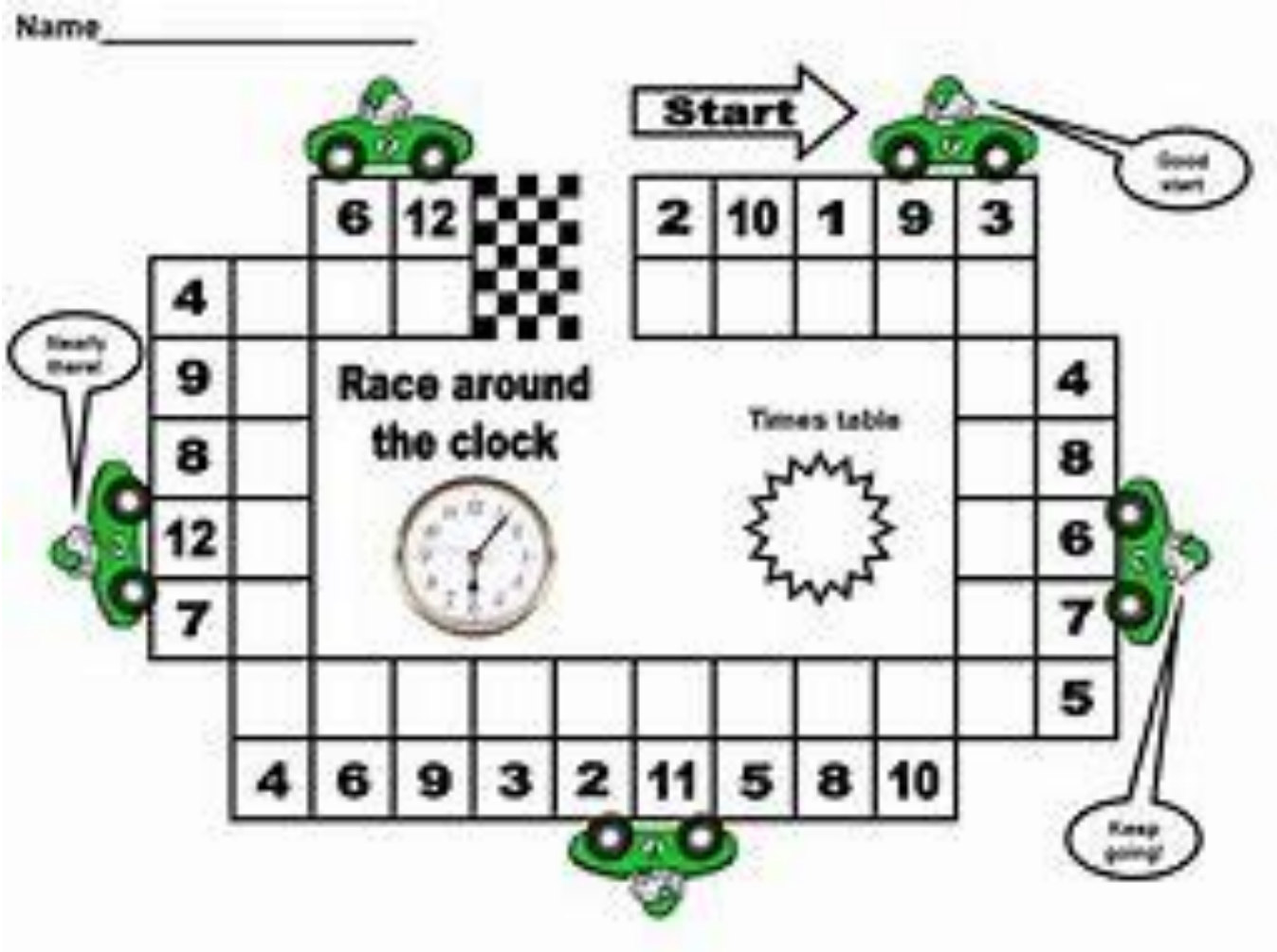
- L.O. Can I make a maths game which will help me learn my times tables?

# L.O. Can I make a math game?

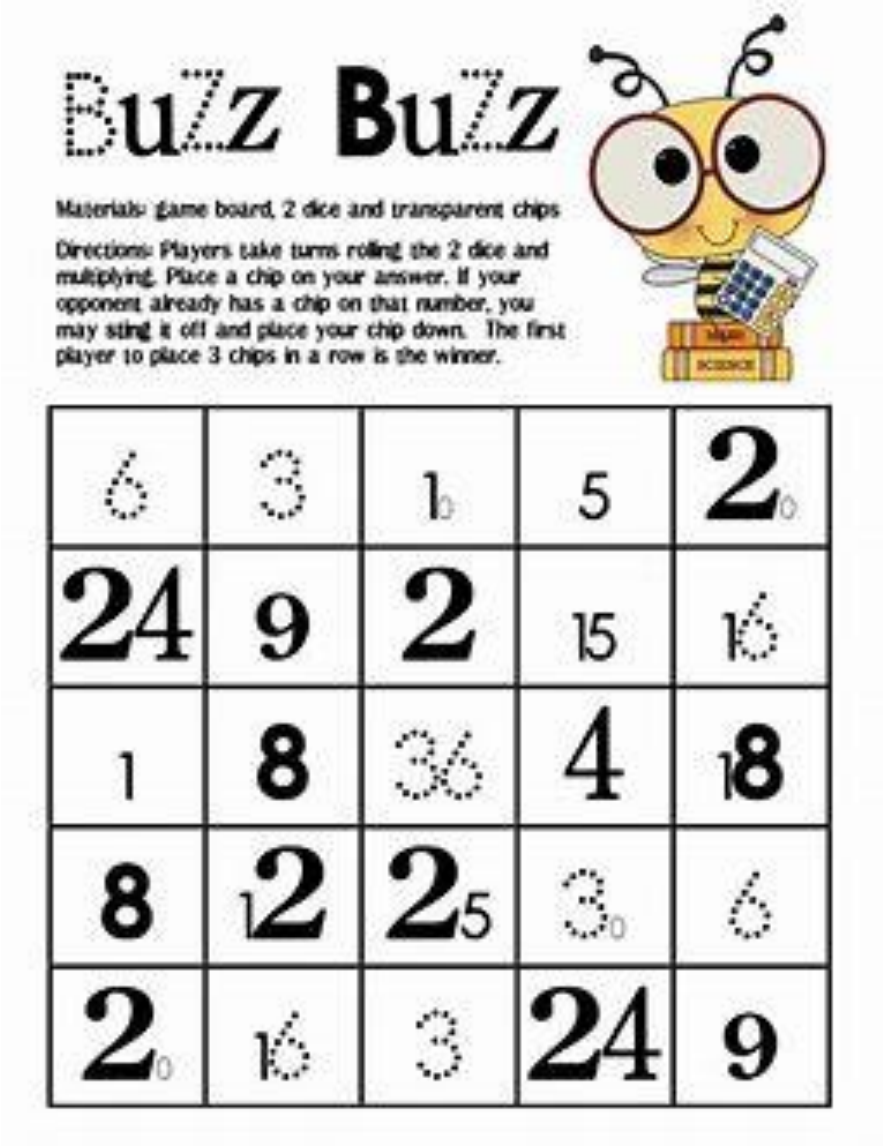
- Choose a times table that you need to learn.
- Then make up a game that you can play with a family member.

# Here are some examples of Math games.

# Race around the track.



# BUZZ BUZZ


Buzz Buzz
Materials: game board, 2 dice and transparent chips
Directions: Players take turns rolling the 2 dice and multiplying. Place a chip on your answer. If your opponent already has a chip on that number, you may sting it off and place your chip down. The first player to place 3 chips in a row is the winner.
6 3 10 5 20
24 9 2 15 16
1 8 36 4 18
8 12 25 30 6
20 16 3 24 9