Year 3 Maths Home Learning | Summer Term

W.C. 11th May

*Use these worksheets to work from **and not on**. All you need is a piece of paper, pencil and a ruler.*

After watching the videos and having a go at the practise activities on BBC Bitesize, have a go at these activities. Depending on your confidence choose Mild, Medium or Spicy.

Maths

Depper Learning – You may wish to deepen your learning by looking at fractions and time!

Fractions – try this activity at home to learn more about fractions.

2 Use two strips of equal sized paper. Fold one strip into quarters and the other into eighths. Place the quarters on top of the eighths and lift up one quarter, how many eighths can you see? How many eighths are equivalent to one quarter? Which other equivalent fractions can you find?

Time –

Put the times/events into the correct place on the diagram.

Morning	Afternoon	Evening	Night

Breakfast | Midnight | Midday/ Noon | 2 o'clock

Supper | Bedtime | Assembly | Brushing teeth

. Complete the statements.

1 day = 24 hours
2 days = ___ hours
__ days = 240 hours

__ days = 120 hours
__ days = 60 hours
20 days = ___ hours

Monday

https://www.bbc.co.uk/bitesize/tags/zmyxxyc/year-3-and-p4-lessons/1

https://whiterosemaths.com/homelearning/year-3/

Multiplying and Dividing by 4 and 8.

Mild

□ x ○ = 12

□ x ○ = 4

□ x ○ = 28

□ x ○ = 40

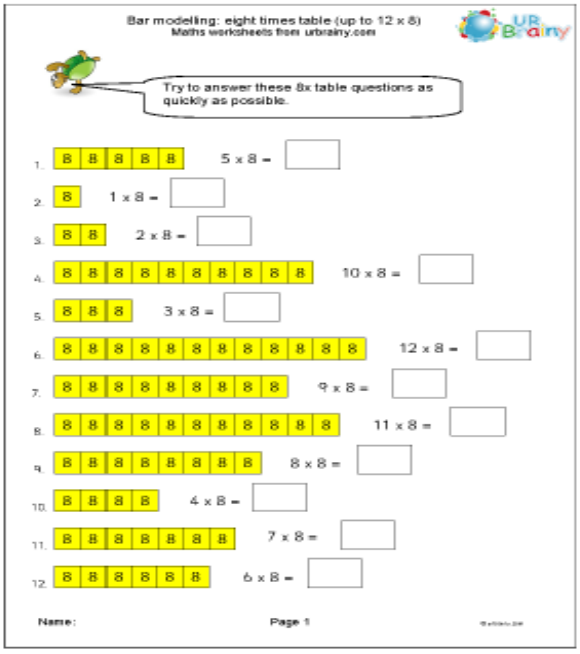
□ x ○ = 16

□ x ○ = 36

Can you remember the number sentence which makes these answers in the 4 times tables?

Answers:

4 x3
4x1
4x7
4X10
4X4
4X9



Bar modelling: eight times table (up to 12 x 8)
Maths worksheets from urbrainy.com

Try to answer these 8x table questions as quickly as possible.

1. 8 8 8 8 8 5 x 8 = ☐
2. 8 1 x 8 = ☐
3. 8 8 2 x 8 = ☐
4. 8 8 8 8 8 8 8 8 8 8 10 x 8 = ☐
5. 8 8 8 3 x 8 = ☐
6. 8 8 8 8 8 8 8 8 8 8 8 8 12 x 8 = ☐
7. 8 8 8 8 8 8 8 8 9 x 8 = ☐
8. 8 8 8 8 8 8 8 8 8 8 11 x 8 = ☐
9. 8 8 8 8 8 8 8 8 8 x 8 = ☐
10. 8 8 8 8 4 x 8 = ☐
11. 8 8 8 8 8 8 8 7 x 8 = ☐
12. 8 8 8 8 8 8 6 x 8 = ☐

Name: Page 1

Answers:

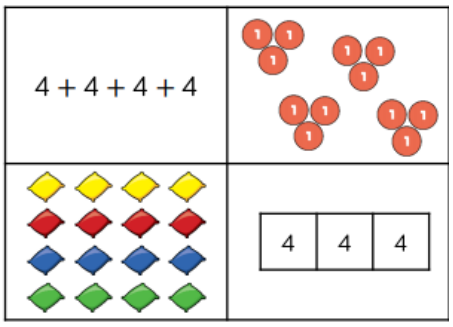
40, 8, 16, 80, 24, 96, 72, 88, 64, 32, 56, 48

Use the bar models to recall your 8 times tables!

Medium

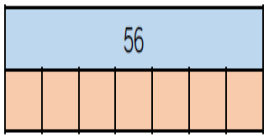
8 × ____ = 16	8 × ____ = 48	8 × ____ = 32
8 × ____ = 40	8 × ____ = 56	8 × ____ = 48
8 × ____ = 80	8 × ____ = 32	8 × ____ = 8
8 × ____ = 0	8 × ____ = 40	8 × ____ = 72
8 × ____ = 88	8 × ____ = 96	8 × ____ = 88

Which part below does not show counting in fours?



Explain why.

Complete the bar model.



Can you now create your own bar model for the number.. 64

Spicy

Tommy has four bags with five sweets in each bag.

Annie has six bags with four sweets in each bag.

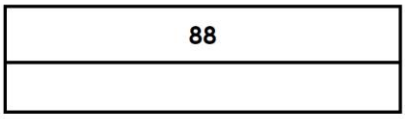
Who has more sweets?

How many more sweets do they have?

Draw a picture to show this problem.

Draw a bar model to help you to solve this problem.

5b. Li shares 88 gems into treasure chests. She puts 8 gems in each chest.



How many chests will Li have? Prove it.

ACTIVITY 1:

There are eight fish in each tank. Complete the missing numbers.

a) __ tanks contain 24 fish. **_ x _ = 24**

b) 9 tanks contain __ fish. **9 x _ = __**

c) __ tanks contain 32 fish. **_ x _ = 32**

d) 12 tanks contain __ fish. **12 x _ = _**

Tuesday

https://www.bbc.co.uk/bitesize/tags/zmyxxyc/year-3-and-p4-lessons/1

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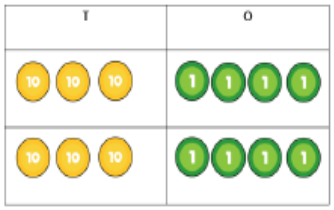
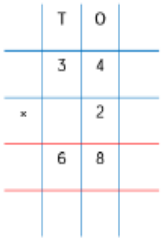
Multiply a 2 digit number by a 1 digit number.

Mild

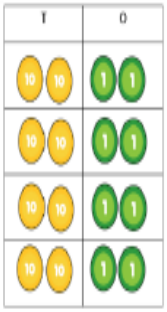
Complete the following calculations using place value counters:

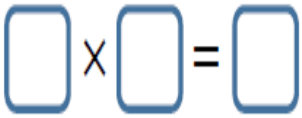
- 34 × 2
- 23 × 3





Fill in the blanks and solve the calculation:





What would the number sentence be? What number are you working with?

Medium

There are 21 chocolate bars in a vending machine.
How many chocolate bars will there be in 3 vending machines?
Use this method to solve:
21 x 4 and 33 x 3

T	O
	
	
	

Martin completes the following calculation:

42 x 2

Can you spot his mistake?

	T	O				
	4	2				
×		2				
		4		(2	×	2)
+		8		(4	×	2)
	1	2				

Spicy

Amir uses place value counters to calculate 16 x 4

Tens	Ones
10	1 1 1 1 1 1
10	1 1 1 1 1 1
10	1 1 1 1 1 1
10	1 1 1 1 1 1

	T	O
	1	6
x		4
	6	4

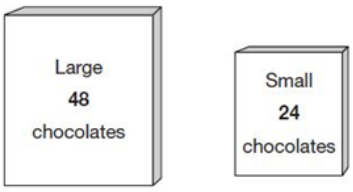
2

Use Amir's method to solve:
16 x 6
17 x 5
28 x 3

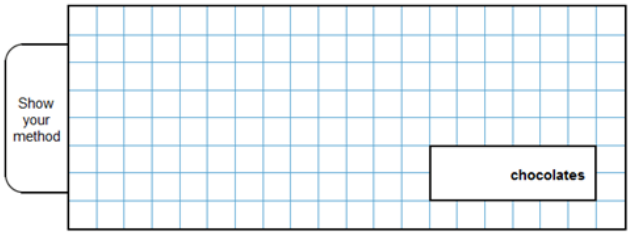
Q1.

Ken buys 3 large boxes and 2 small boxes of chocolates.

Each large box has 48 chocolates. Each small box has 24 chocolates.



How many **chocolates** did Ken buy altogether?



Wednesday

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Divide a 2 digit number by a 1 digit number.

Mild

A shop has 32 apples.

They are put into 8 equal groups.

How many apples are in each group?

What would the number sentence be?

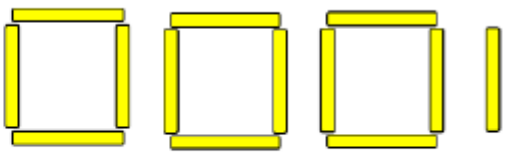
How many squares can you make with 13 lollipop sticks?

There are ___ lollipop sticks.

There are ___ groups of 4

There is ___ lollipop stick remaining.

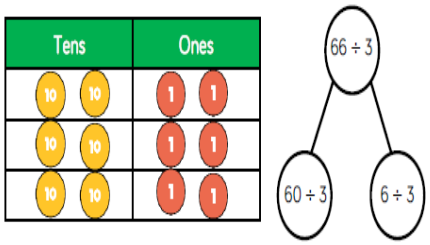
13 ÷ 4 = ___ remainder ___



Use this method to see how many triangles you can make with 38 lollipop sticks.

Medium

Eva uses a place value grid and part-whole model to solve 66÷ 3



Use Eva's method to calculate:

69 ÷ 3 96 ÷ 3 86 ÷ 2

Amir makes groups of 3 gummy bears.

He makes 7 groups and has 2 bears left over.
How many gummy bears does he have altogether?

Spicy

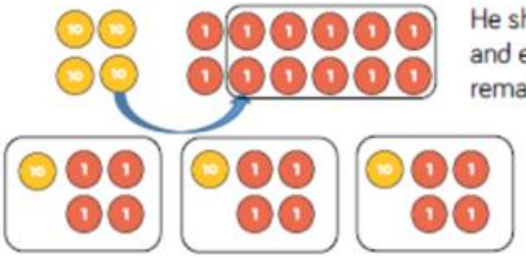
Alex uses place value counters to help her calculate 63 ÷ 3

Tens	Ones
10	10 1
10	10 1
10	10 1

She gets an answer of 12
Is she correct?

Maybe you can find materials like counters at home to help you answer these exchanging questions below. Or you could draw it out like below.

Ron uses place value counters to divide 42 into three equal groups.



He shares the tens first and exchanges the remaining ten for ones.

Then he shares the ones.
42 ÷ 3 = 14

Use Ron's method to calculate 48 ÷ 3 , 52 ÷ 4 and 92 ÷ 8

Thursday

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Multiplication and Division Problem Solving.

Mild

What is  worth in the division below?

21 ÷  **= 3**

Milana got half of her spellings correct. There were 16 spellings.

How many did she get right?

How many legs altogether do four spiders have?
There are ___ legs on each spider.

___ + ___ + ___ + ___ = ___

___ × 8 = ___

If there are ___ spiders, there will be ___ legs altogether.

Medium

2 cars have eight wheels. How many wheels do four cars have?

2 × 4 = 8 4 × 4 = ___

Three cows have 12 legs. How many legs do six cows have?

3 × ___ = 12 6 × ___ = ___

There are 3 postcards in one packet.
How many postcards are there in 8 identical packets?

Charles has to arrange 32 chairs in rows.
Each row has 8 chairs.
How many rows are there?

Crayons are sold in packs of 8.
Year 3 need 48 crayons.
How many packs should be ordered?

They should order ___ packs of crayons.

Spicy

Megan has a box of pop that are in packs.

Some packs have 4 cans in them and some packs have 8 cans in them.

Megan's box contains 64 cans of pop.

How many packs of 4 cans and how many packs of 8 cans could there be?

Find all the possibilities.

Which of the word problems can be solved using 12 ÷ 4?

There are 12 bags of sweets with 4 sweets in each bag.
How many sweets are there altogether?

A rollercoaster carriage holds 4 people.
How many carriages are needed for 12 people?

I have 12 crayons and share them equally between 4 people.
How many crayons does each person receive?

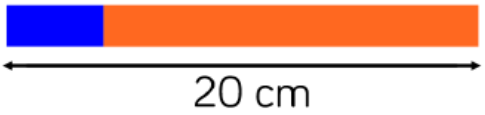
I have 12 buns and I give 4 to my brother.
How many do I have left?

Explain your reasoning for each.

Here is a blue strip of paper.

An orange strip is four times as long.

The strips are joined end to end.



How long is the blue strip?

How long is the orange strip?

Explain how you know.

Friday

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Times Table Rockstars

Have a go at your times tables on TTRockstars this week. Maybe you could battle with one of your friends? We can't wait to see how much your times tables have improved!

Quiz

Mild

11. 9 x 10 =

12. 14 ÷ 2 =

13. What symbol is missing?
24 ÷ 6 ☐ 4

14. What symbol is missing?
4 ☐ 8 = 32

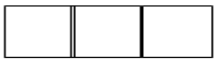
15. Tick (✓) if true:
5 x 6 = 6 x 5 ☐ 30 ÷ 3 = 3 ÷ 30 ☐

16. £15 is shared between 3 people. How much does each person get?

17. 4 cars each have 3 people in them. How many people are in the cars?

18. Circle **two thirds** of the strawberries.

19. Shade in $\frac{2}{3}$ of the shape.



20. What is $\frac{3}{4}$ of 12 ?

Medium/Spicy

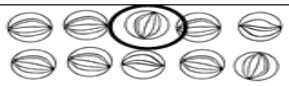
11. 72 ÷ 8 =

12. 12 x 8 =

13. 34 x 4 =

14. I buy 6 packs of balloons. I have 30 balloons. How many are in each pack?

16. What fraction is circled?



16. What fraction is shaded?

17. What is $\frac{1}{3}$ of 18?

18. This shape is in tenths. Shade in $\frac{2}{5}$.

19. Add the fractions. $\frac{3}{9} + \frac{5}{9}$

20. Write the smallest fraction. $\frac{1}{3}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{1}{2}$