

Parent Guide

How can I use this with my children?

This fun, educational booklet is packed full of activities to go with the video 'Counting by 2s, 5s and 10s' video from Twinkl Kids' TV.

How does this help my children's learning?

There are a range of activities in this booklet that can help your child practise counting in 2s, 5s and 10s, using the video as a starting point. They can try it independently or you can do it together.

Ideas for further learning:

For more resources, head to our [Times Tables](#) section - a great way to practise times tables is little and often. Have a quiz at breakfast time, listen to a song on the way to school and make it fun!



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You can find the video 'Counting by 2s, 5s and 10s Activity for Kids' on our Twinkl Kids' TV channel, on YouTube. Or, simply follow [this link](#).

“Counting by 2s, 5s and 10s Activity for Kids” Script



Counting in twos, fives and tens.

Let's start with counting in tens.

What do these numbers have in common?

10, 20, 30, 40, 50

When we count in tens all the numbers will only end in zero.

Which of these numbers belong to the tens?

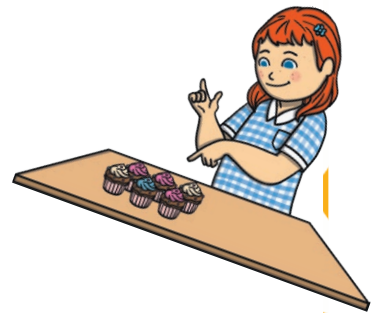
20, 19, 48, 0, 5 and 30

20, 0 and 30 belong to the tens because the tens only end in a zero.

5, 10, 15, 20, 25

Let's count in fives.

Can you spot a pattern here?



When we count in fives the numbers will only end in five or zero.

Which of these numbers belong to the fives?

0, 12, 10, 30, 5, 21

5, 0, 10 and 35 all belong to the fives because the fives only end in five or zero.



The next set of numbers we are counting, are the twos.

2, 4, 6, 8, 10

They are all even numbers.

When counting in twos the numbers will only end in 2 4
6 8 and 0.

Which of these numbers belong to the twos?

2, 15, 28, 20, 11, 9

2, 28, and 20 all belong to the twos because the twos only
end in two four six eight and zero.

Let's have a recap.

Tens end in zero.

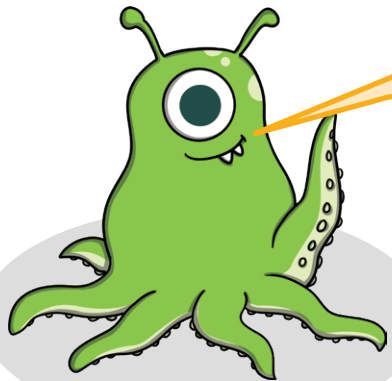
Fives end in zero or five.

Twos end in zero, two, four, six or eight.



Alien Explanations

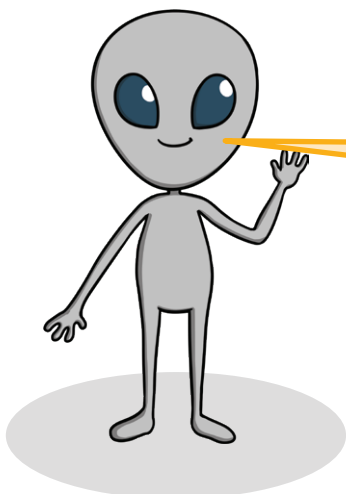
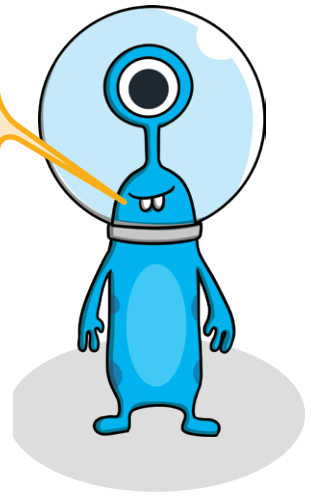
A group of aliens are visiting us from outer space. They want to learn their times tables but they have no idea where to start. Can you help explain the rules for the 2s, 5s and 10s? Write your answer in the blank speech bubbles. If you are unsure, use the video to help you. Why not draw yourself and some of your friends replying to the aliens?



I want to learn my 10 x tables and I heard there is a special rule. Can you explain it to me?



Hmmm...I think the 5 x tables sound better! What is the rule here?



The 2s must be the easiest as it's the smallest number. Is there a pattern?



Bubble Machine

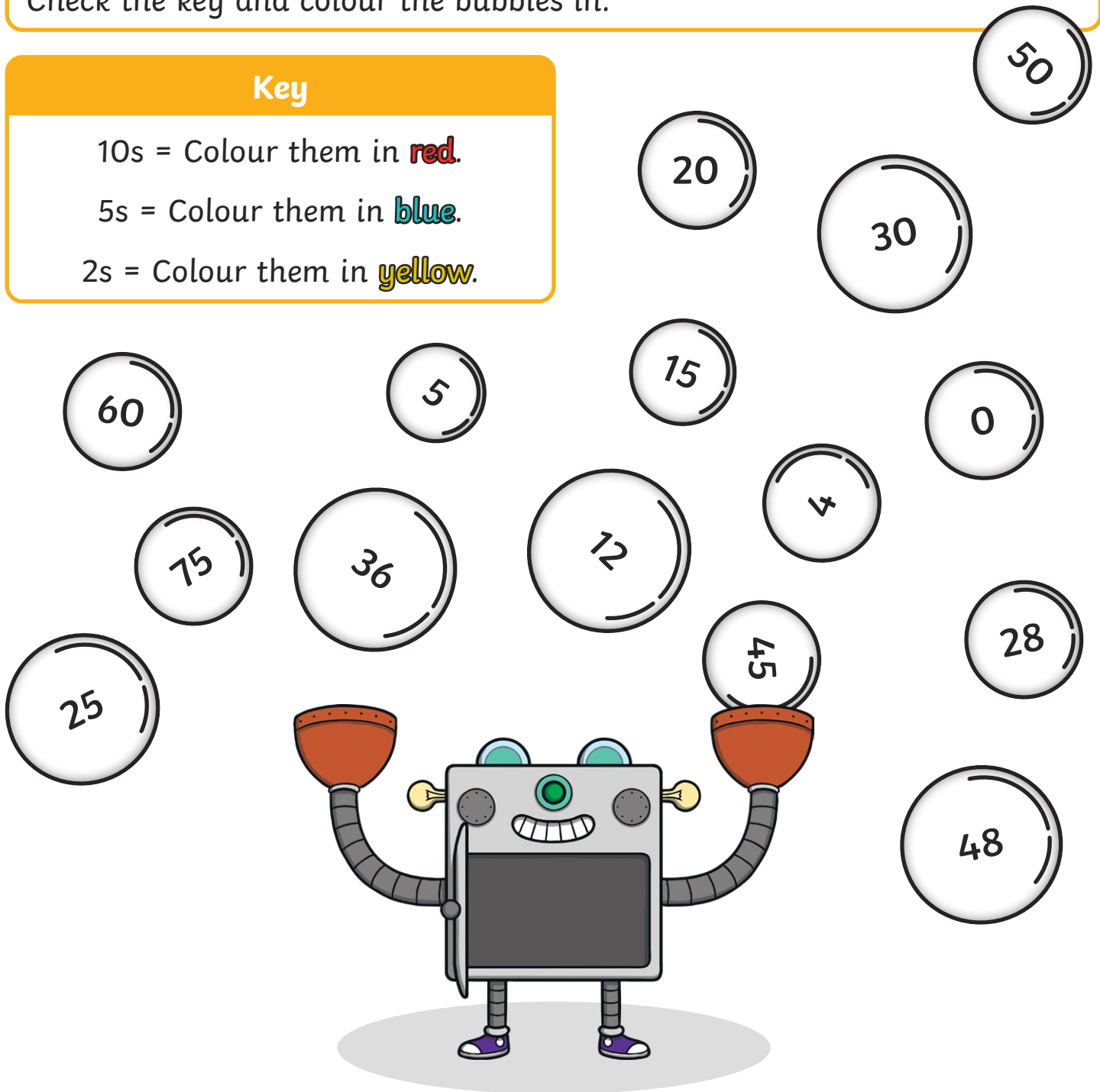
This times tables bubble machine is blowing out bubbles from the 2s, 5s and 10s. Can you work out which bubbles belong to each times table? Check the key and colour the bubbles in.

Key

10s = Colour them in **red**.

5s = Colour them in **blue**.

2s = Colour them in **yellow**.

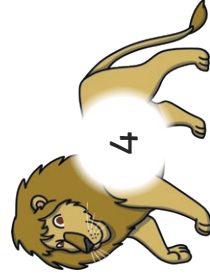
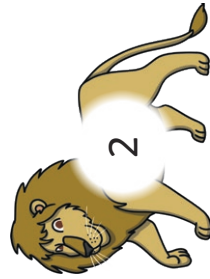
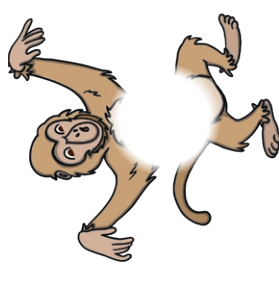
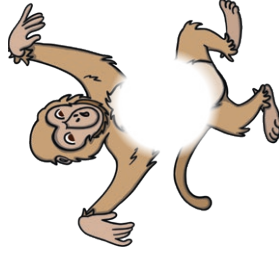
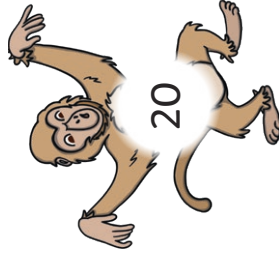
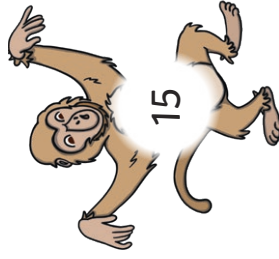
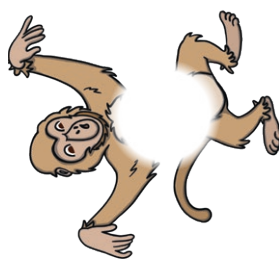
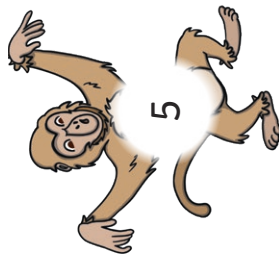
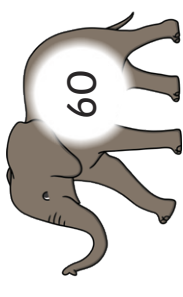
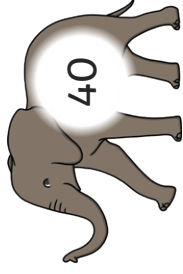
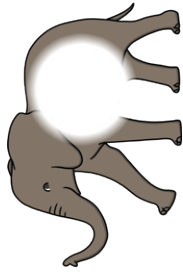
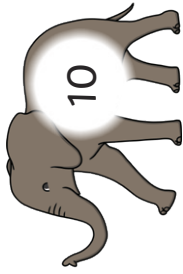


Twinkl Tip:

You might notice that some of the numbers are in two or even three of the times tables! If you spot this, colour those bubbles using stripes.

Animal Sequences

Our animals have gathered together and lined up in order. Look at what the animal sequence is counting in. Can you fill in the missing numbers?



Twinkl Tip:

Our elephants count in tens, our monkeys are counting in 5s and the lions are counting in 2s.

Detective Challenge

A crime has been committed in the number world. Your job is to help the detective to work out which of the number suspects is to blame by using the clues. You can cross out the suspects who it can't be, as you go along. Then, circle the culprit!



My first clue is that the suspect is less than 20.

The suspect is also an odd number.

My final clue is that our suspect is the third number in the 5x tables.

Which number do you think did it?



35	10
----	----

40	8
----	---

15	12
----	----

Clue 1: The suspect is in the 2s.

My second clue is that the suspect is also in the 10s and 5s.

The final clue is that the suspect is more than 20.

Who is the number culprit?



5	10
---	----

4	0
---	---

20	30
----	----

Our first clue in this case is that the number is between 10 and 35.

Next up, the number is in the 5s.

Finally, we've got him! The number is an odd number.

Who have we caught red-handed?

5	50
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18	25
----	----

20	30
----	----

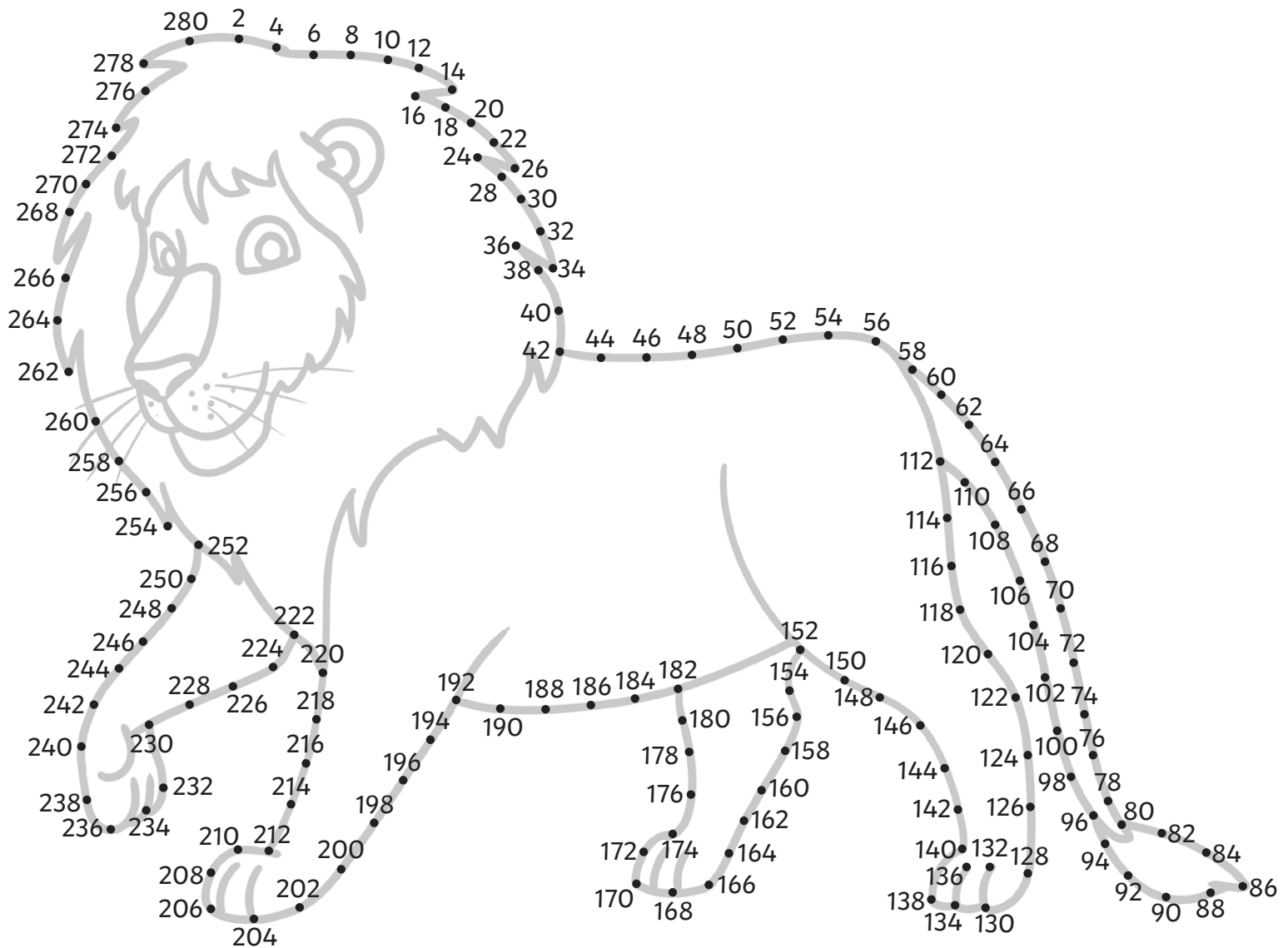


Extension:

Can you write your own detective puzzle for somebody else to solve?

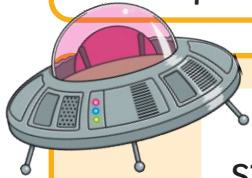
Dot to Dot

Join the dots to reveal a hidden picture. You may notice that the numbers are counting in a number which is very familiar to us now. Can you work out what the picture needs you to count up in? If you would like to, you can colour the picture in at the end.



Counting in 5s Maze

Can you help our alien friends return to their planet with their new times tables knowledge? Count in 5s round the maze, starting with the spaceship. Can you count in 5s through the maze until you reach their home planet?

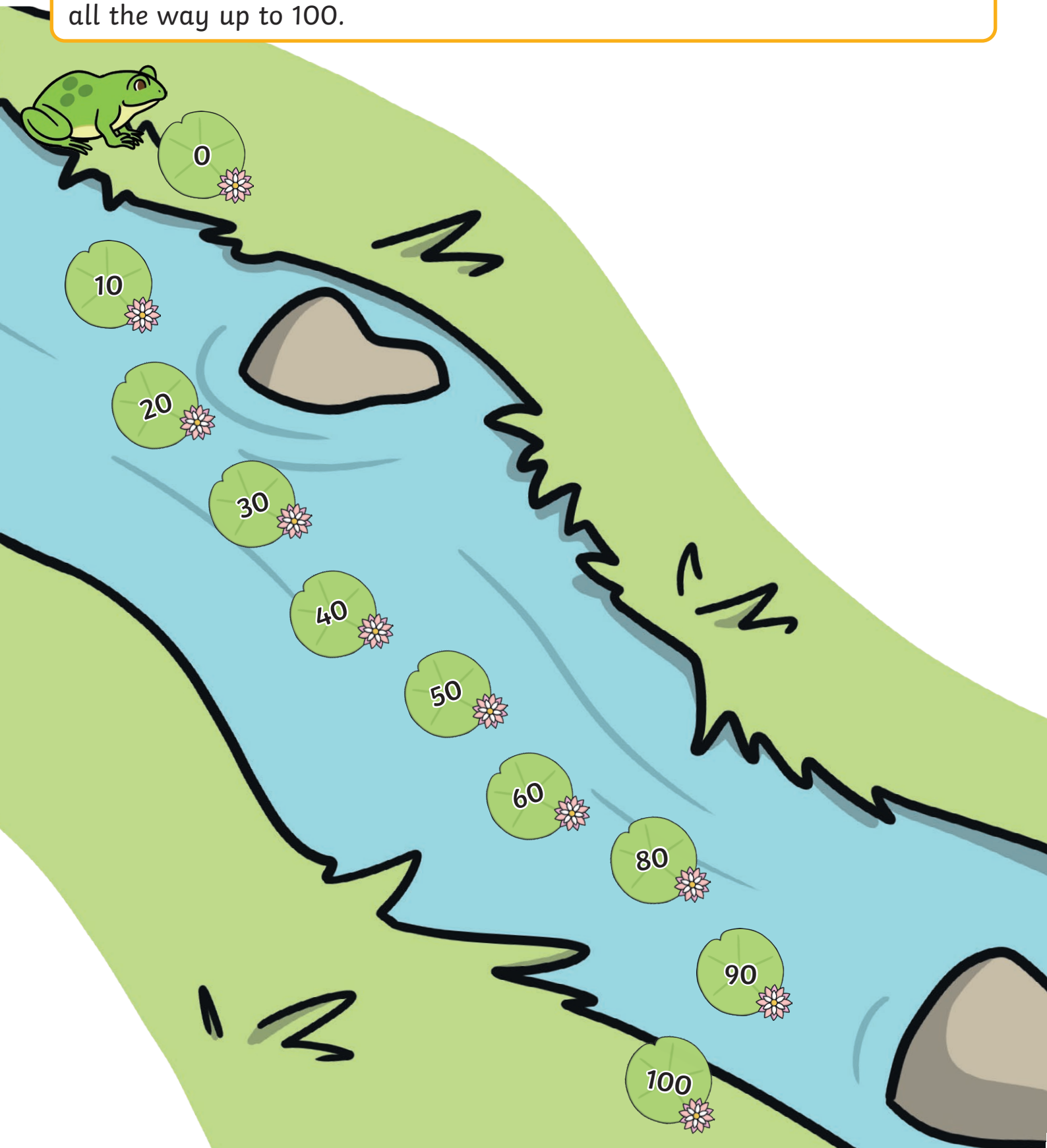


start	5	11	9	2	3	1
4	10	15	20	16	18	22
38	33	40	25	30	35	28
52	58	59	50	45	40	65
62	65	71	55	60	72	73
85	80	75	70	65	82	93
90	95	100	105	110	115	93
104	108	135	130	125	120	96
103	105	140	145	150	155	finish



Counting in 10s Number Line

Can you help the frog jump in 10s across the river? Show his jumps between the lily pads on your number line. Then, you can count in 10s all the way up to 100.



True or False?

Read the sentence in each box. Is the statement true or false?

If I start at 0 and count on in twos, I will say the number 11.

True or false?



If I start at 4 and count on in twos, I will say the number 12.

True or false?



If I start at 0 and count on in fives, I will say the number 15.

True or false?



If I start at 5 and count on in fives, I will say the number 21.

True or false?



If I start at 10 and count on in tens, I will say the number 35.

True or false?



If I start at 0 and count on in tens, I will say the number 50.

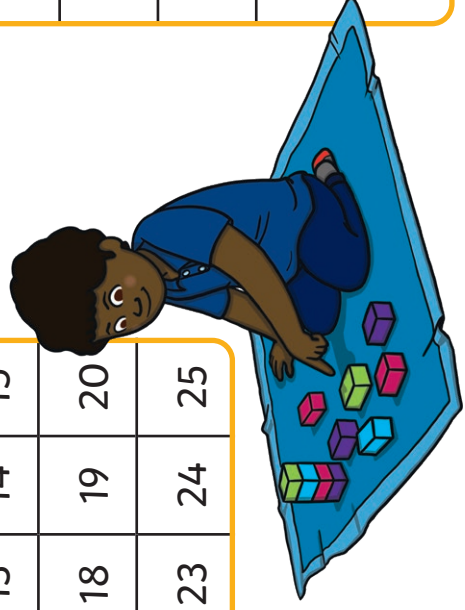
True or false?



2s, 5s and 10s Grid Colouring

Count in 2s and colour the squares that you land on.

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25



Count in 10s and colour the squares that you land on.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	48	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Count in 5s and colour the squares that
you land on.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	48	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

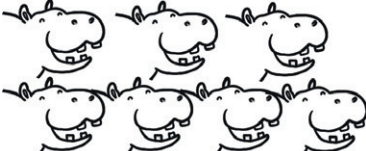


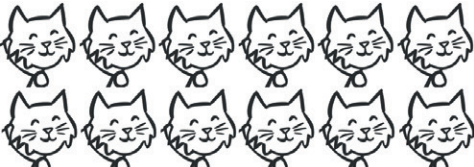
Times Tables Challenge

How many ears are there? 2 Times Tables

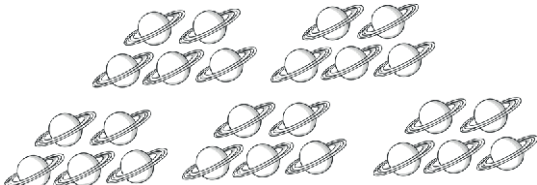
a)  _____ x _____ = _____

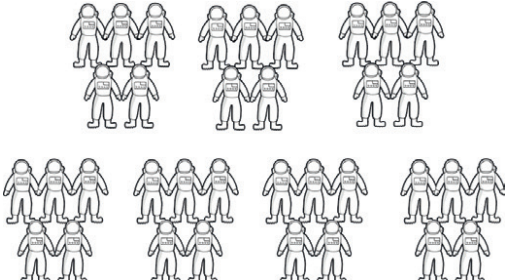
b)  _____ x _____ = _____

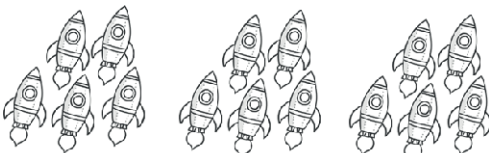
c)  _____ x _____ = _____

d)  _____ x _____ = _____

How many are there? 5 Times Tables

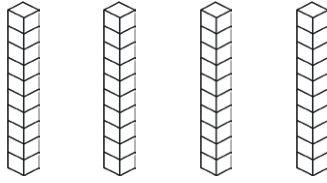
a)  _____ x _____ = _____

b)  _____ x _____ = _____

c)  _____ x _____ = _____

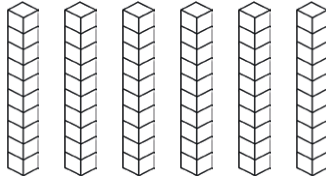
How many are there? 10 Times Tables

a)



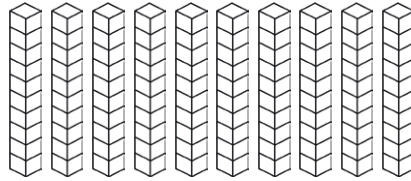
$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

b)



$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

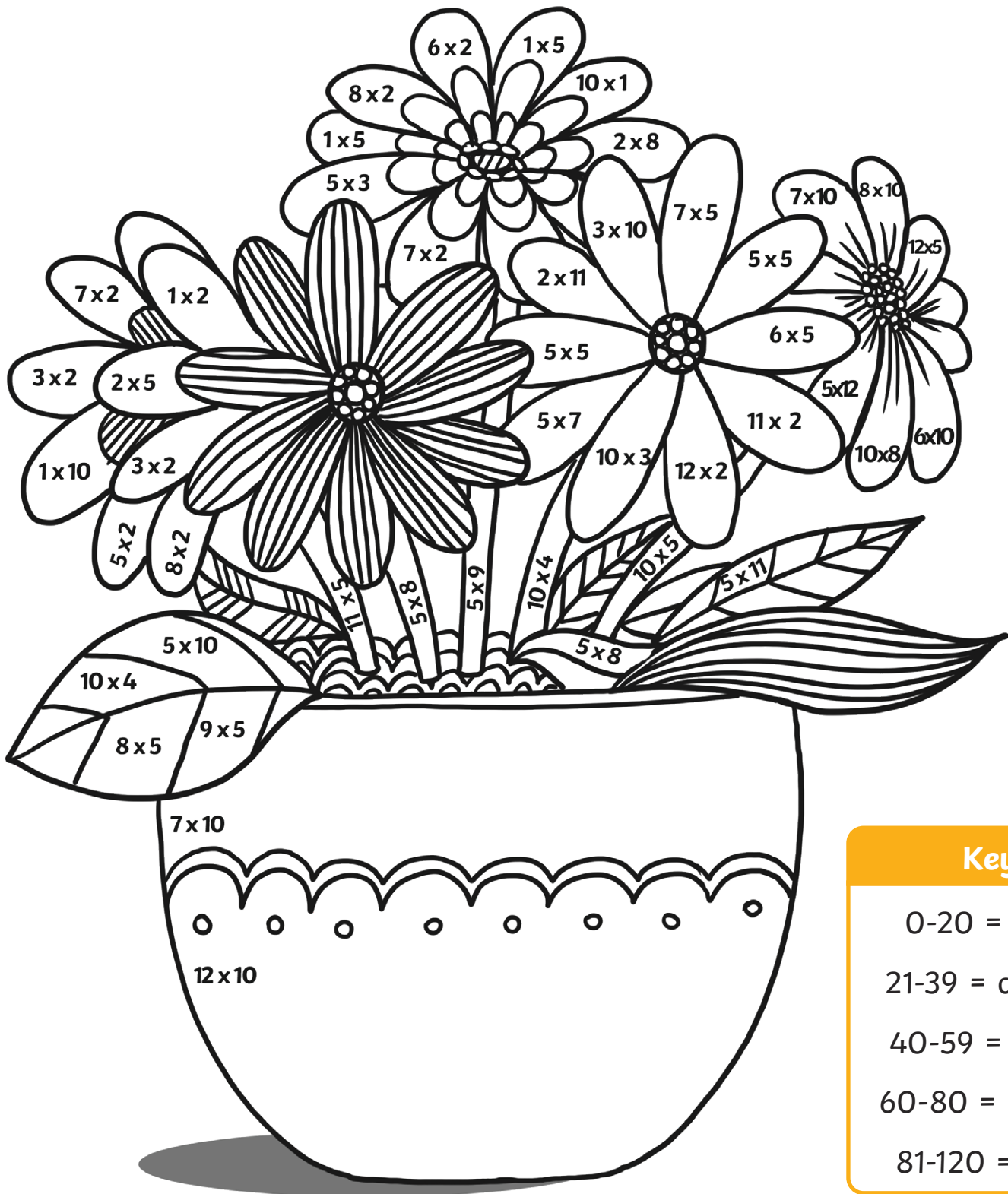
c)



$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

2s, 5s and 10s Colouring

Use your grids from the previous pages to help you with this colouring sheet. Complete the multiplication and then check what colour the answer matches to. Then colour each section the right colour to create a beautiful picture.



Key

- 0-20 = pink
- 21-39 = orange
- 40-59 = green
- 60-80 = yellow
- 81-120 = blue

Practical Times Tables Activities

Children remember learning much better if it is practical and fun. Have a go at some of these ideas. They are just starting points so you can change and adapt them to suit your child and make them your own. Have fun and get learning!

Karaoke Tables

There are lots of fun times tables songs out there which can be found online easily. Why not sing along and create your own dance moves to help remember tables? You could even have a go at making up your own song or rhyme to really help them stick.

Waldorf Multiplication Flower

Find a picture of a Waldorf Multiplication Flower online. Print an existing template or draw one of your own. If you can, laminate the flower and use whiteboard markers and then you can go again and again. You could time your child and create a sense of competition with themselves. Can they beat their previous time?

Bingo!

A maths twist on a classic. Get your child to draw a 3 x 3 grid so you have 9 squares altogether. Ask your child to write some answers in the boxes. You could stick to one times table or mix a few up. Then, you call out multiplication questions and if they have the answer, they can cross it out. Great to do with a few friends!

Recycled Egg Box

Make use of an empty egg box by turning it into a times tables tool. Once the box is empty, write the numbers 1 - 12 in the bottom of each dip. Decide on a times table that you would like to practise. You will need a marble or something similar. Place the marble in one of the holes and then close the lid. Shake the box so that the marble moves around. Open the box and your child must multiply the number that the marble has landed on, by the times table you are practising. Great to do with friends.

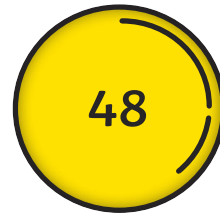
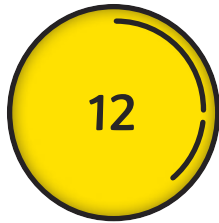
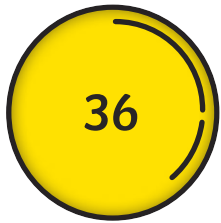
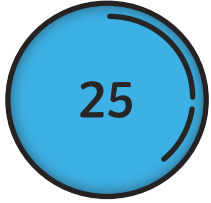
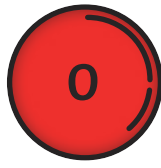
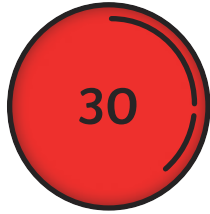
Extension: As your child learns more of their times tables, you can use two marbles and multiply the numbers that they land on together.

Outdoor Fun

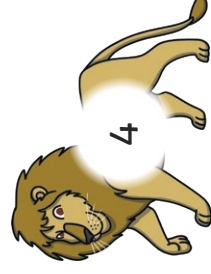
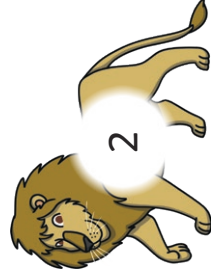
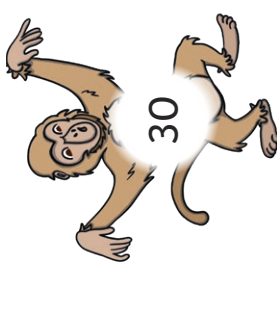
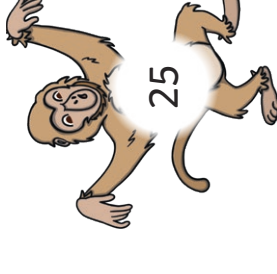
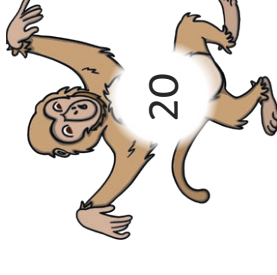
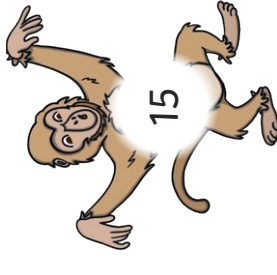
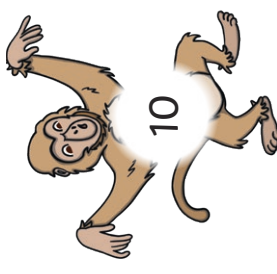
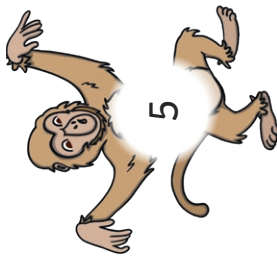
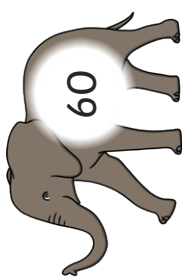
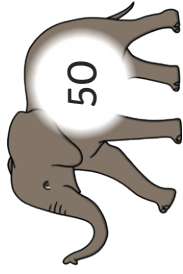
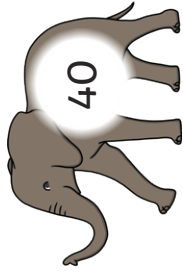
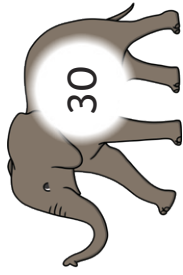
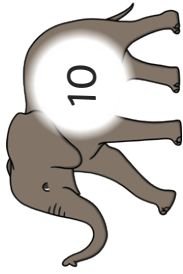
Head outside on a nice day and have a go at this active times table game. Draw a grid on the ground using chalk. This could be a 3 x 3 grid or bigger if you choose. Write some multiples of a chosen times tables. For example if you are practising the 5s, you might write 5, 10, 15, 20, 25, 35, 40, 45, 50 in your grid. Shout out a times table and your child (this could be done with more than one child as a competition) has to run and stand in the correct box.

Why not try turning this into an exercise activity too by giving your child an instruction to complete in the correct box? For example, you could say jumping jacks and give the calculation. Then, your child has to run to the correct box and do that many jumping jacks. You could also practise some throwing skills by using hoops with the answers written in. Your child must throw a beanbag or ball into the correct hoop. The possibilities here are endless so get creative.

Bubble Machine Answers



Animal Sequences Answers



Detective Challenge Answers

Case 1: **15**

Case 2: **30**

Case 3: **25**

True or False? Answers

1. False.
2. True.
3. True.
4. False.
5. False.
6. True.

Grid Colouring Answers

Count in 2s and colour the squares that you land on.

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25

Count in 5s and colour the squares that you land on.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	48	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Count in 10s and colour the squares that you land on.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	48	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Times Table Challenge Answers

2s answers

- a) $3 \times 2 = 6$
- b) $2 \times 2 = 4$
- c) $7 \times 2 = 14$
- d) $12 \times 2 = 24$

5s answers

- a) $5 \times 5 = 25$
- b) $7 \times 5 = 35$
- c) $3 \times 5 = 15$

10s answers

- a) $4 \times 10 = 40$
- b) $6 \times 10 = 60$
- c) $10 \times 10 = 100$

2s, 5s and 10s Colouring Answers



We hope you find the information on our website and resource useful. The description of any physical activity contained within this resource is intended as a general guide only. It may not fit your specific situation. You should not rely on the resource to be right for your situation. It is your responsibility to decide whether to carry out the activity at all and, if you do, to ensure that the activity is safe for those participating. You are responsible for carrying out proper risk assessments on the activities and for providing appropriate supervision. We are not responsible for the health and safety of your group or environment so, insofar as it is possible under the law, we cannot accept liability for any loss suffered by anyone undertaking any activity or activities referred to or described in this resource. It is also your responsibility to ensure that those participating in the activity are fit enough to do so and that you or the organisation you are organising it for has the relevant insurance to carry out the physical activity. If you are unsure in any way, we recommend that you take guidance from a suitably qualified professional.

We hope the information on our website and resources is useful. It is your responsibility to note that some ingredients and/or materials used might cause allergic reactions or health problems and to ensure that you are fully aware of the allergies and health conditions of those taking part. If you have any concerns about your own or somebody else's health or wellbeing, always speak to a qualified health professional. Remember, activities listed within the resource should always be supervised by an appropriate adult.

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