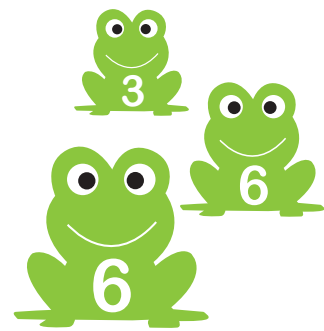
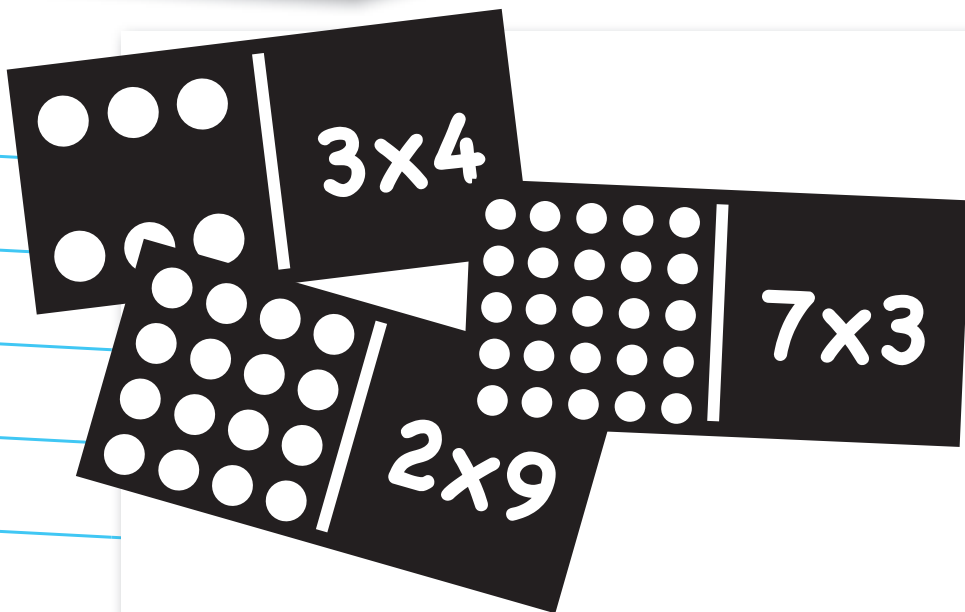
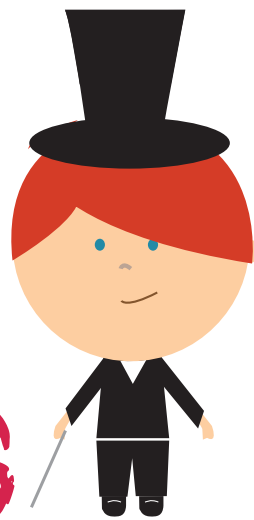




Times Tables Funpack



Times Table Pairs: Answers

5×6 and 3×10 both equal 30

8×2 and 4×4 both equal 16

50×2 and 25×4 both equal 100

10×2 and 5×4 both equal 20

10×5 and 25×2 both equal 50

3×4 and 2×6 both equal 12

7×4 and 14×2 both equal 28

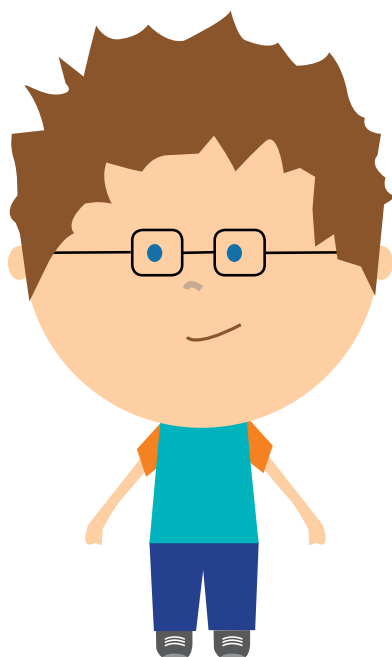
6×10 and 12×5 both equal 60

10×4 and 8×5 both equal 40

6×4 and 8×3 both equal 24

8x table puzzle 2

Daniel washes cars for 5 days. Each day, the number of cars he washes is a multiple of 8. Every day, he washes 8 more cars than the previous day. By the end of the 5 days, he has washed a total of 240 cars. How many cars did he wash each day?

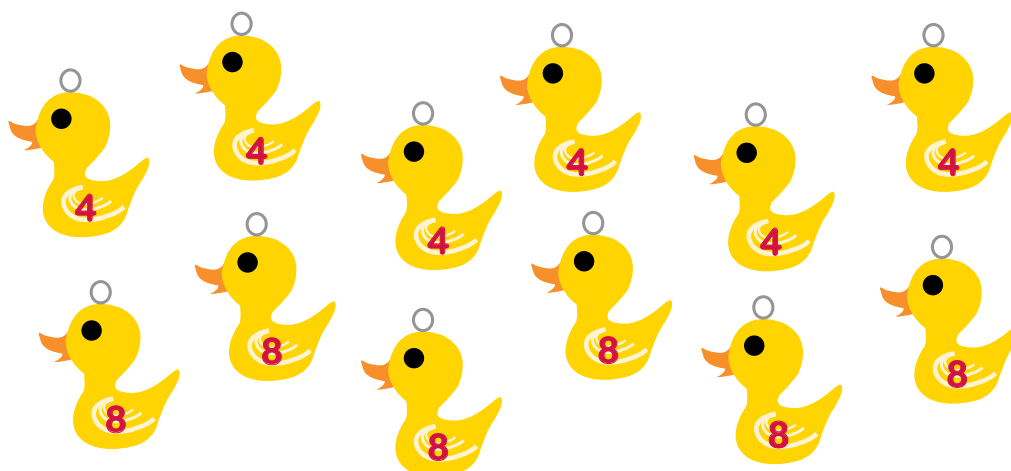


Helpful
hint:

It will help you to write down your multiples of 8 first!

Answer: Daniel washed 32 cars the first day, 40 the second day, 48 the third day, 56 the fourth day and 64 the fifth day.

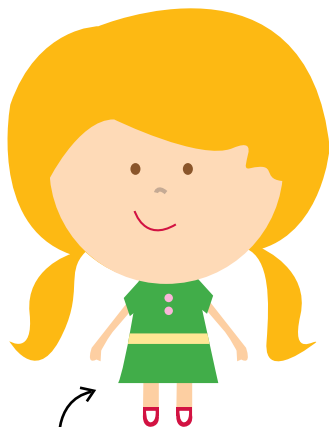
8x table puzzle 3



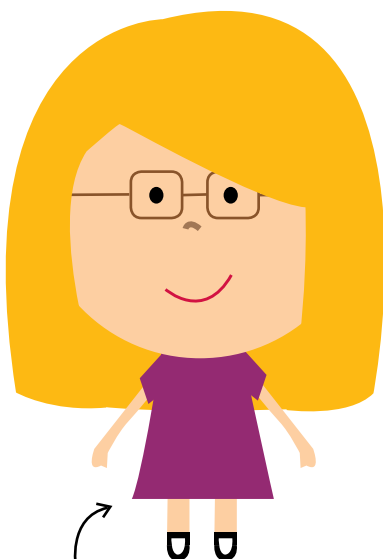
At the fair, Louise has to hook as many ducks out of the pond as she can in 3 minutes. She gets a score of 24. Which ducks could she have hooked out in the 3 minutes? See if you can find all the possible combinations.

Answers:
There are 4 combinations:
 $8 + 8 + 8$
 $8 + 8 + 4 + 4$
 $8 + 4 + 4 + 4 + 4$
 $4 + 4 + 4 + 4 + 4 + 4$

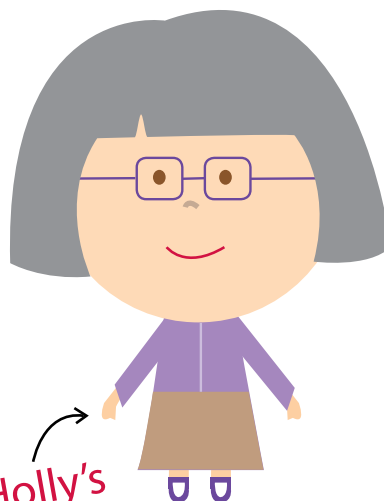
9x table puzzle 1



Holly



Holly's
mum



Holly's
granny

Holly is 9.

Holly's mum is 9 years older than Holly's aunt.

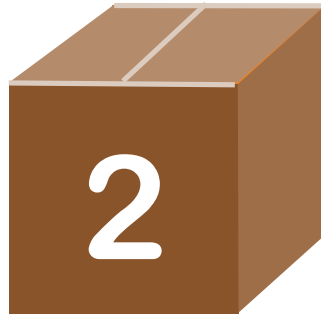
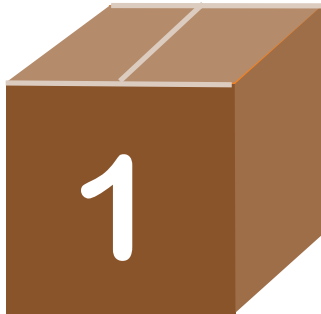
Holly's granny is 9 times the age of Holly.

Holly was born when her mum was 27.

Work out the ages of Holly's mum, aunt and granny.

Answers:
Mum is 36, Aunt is 27 and Granny is 81.

9x table puzzle 2



The weight of each box in kg is a multiple of 9 no larger than 108kg.

Box 1 weighs half of what box 2 weighs.

Box 3 weighs half of what box 1 weighs.

What could the three boxes weigh?

See if you can find all the possibilities.

Answers:
There are three possibilities:
BOX 1 BOX 2 BOX 3
18kg 36kg 9kg
36kg 72kg 18kg
54kg 108kg 27kg

9x table puzzle 3

1	2	3
8		4
7	6	5

The centre rectangle in this picture is a farmer's house. The eight rectangles around it, marked 1 – 8, are fields.

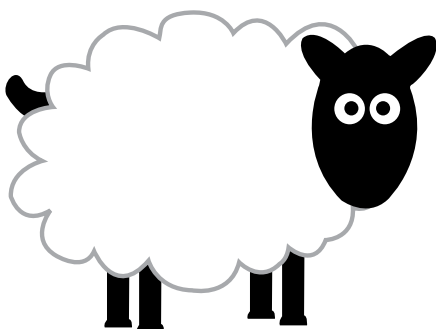
Each field contains a certain number of sheep. The number of sheep in each field is always a multiple of 9. The largest number of sheep found in a field is 27.

From the windows at the front of the house, the farmer can see fields 1, 2 and 3. He can see a total of 36 sheep.

From the windows at the right hand side of the house he can see fields 3, 4 and 5. He can see a total of 54 sheep.

From the windows at the back of the house, he can see fields 5, 6 and 7. He can see a total of 45 sheep.

From the windows at the left hand side of the house he can see fields 7, 8 and 1. He can see a total of 36 sheep.



See if you can work out how many sheep could be in each field. There will be more than one way of doing this, but you only need to find one combination.

9x table puzzle 3

Answers:

Possible combinations:

9	18	9
9		27
18	9	18

9	9	18
9		27
18	18	9

18	9	9
9		27
9	18	18

Times Tables Bingo

Suggested age range 8+ (year 4 onwards)

Number of players 3

How to prepare the game

- Cut out the two nine-square grids on the next page (or you just draw them on paper) for the players.

How to play the game

The two players need a nine-square grid each. They need to write nine numbers chosen from this list - 4, 6, 8, 10, 12, 14, 16, 18, 20, 24 - in the grid (they cannot write the same number twice).

The caller then calls out questions from the card on the next page.

If the players have the answer to the question being called, they cross them off on their grid.

The answers are on the sheet, so the caller will need to check players are crossing off the correct answers.

The first player to cross off all their numbers shouts bingo and is the winner.

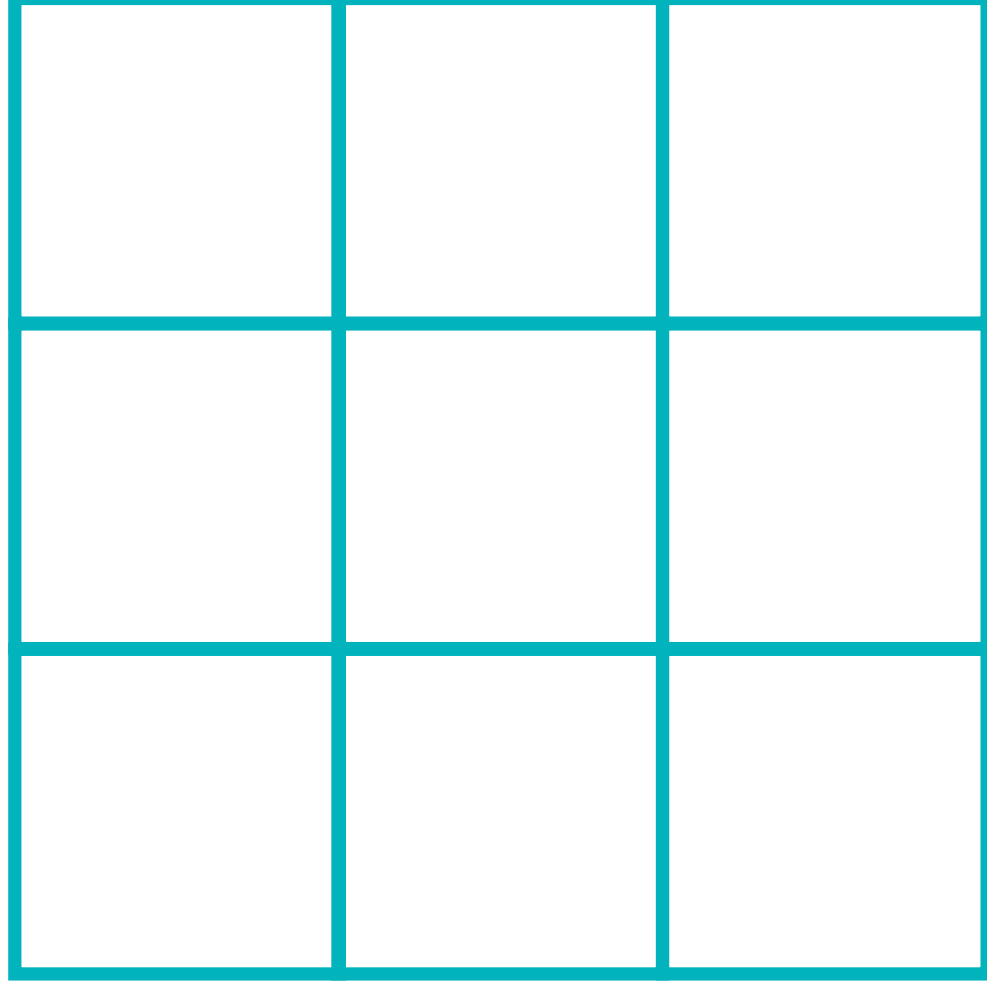
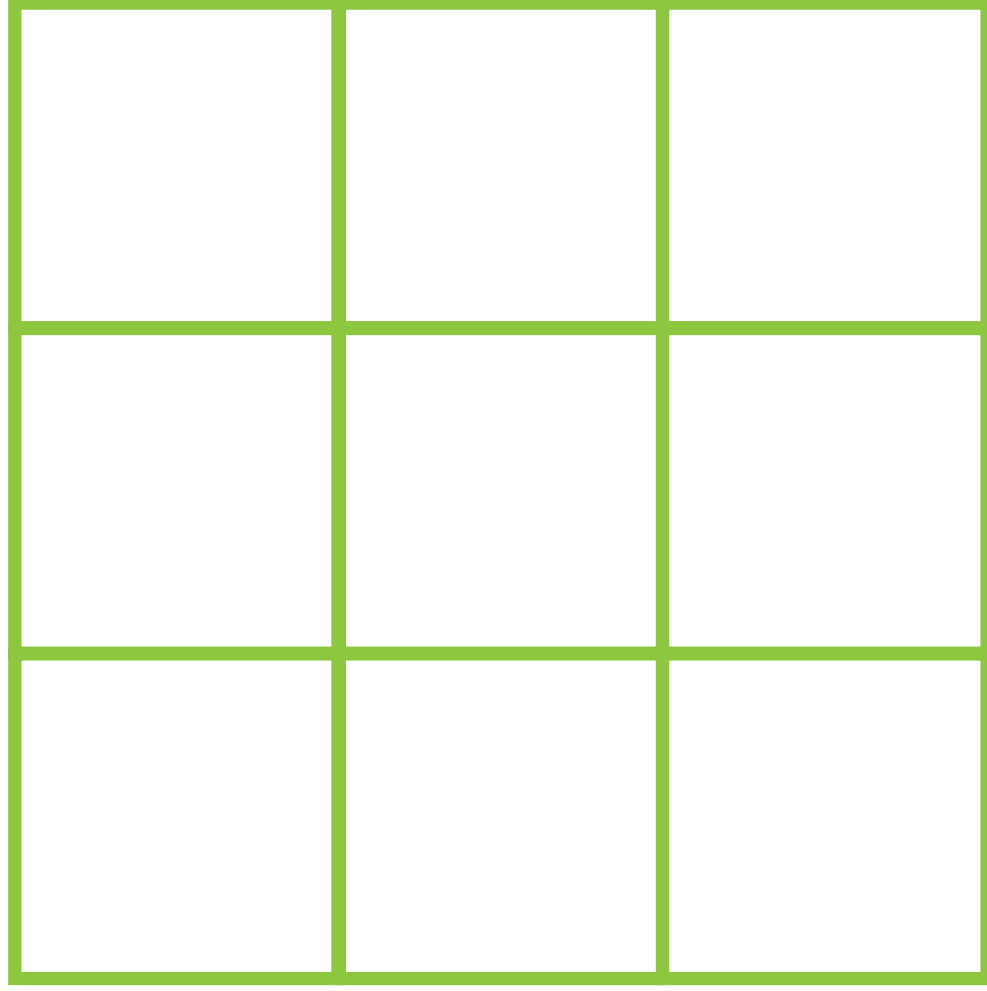
How does this game support learning?

- ▶ Make times tables drilling fun with Times Tables Bingo. You can write your own number list and caller card to test all the different tables, either one at a time or all at once.

Times Tables Bingo: caller card

3 cars are parked outside, each with 4 wheels. How many wheels are there altogether?	12
What is the perimeter of a square with sides of 4cm?	16
There are four pairs of shoes in the window of a shop. How many shoes are there?	8
6 children each eat 3 cakes. How many cakes have they eaten altogether?	18
What is 2×5 ?	10
What is 2×2 ?	4
I have bought 7 pairs of gloves. How many gloves have I got altogether?	14
What is 2×3 ?	6
I buy 6 books, each costing £4. How much have I spent?	24
What is 4×5 ?	20

Times Tables Bingo: nine-square player grids



10x table puzzle 1



Four children are given five darts each.

They have to throw the darts at the numbers above and try to get the highest score possible.

This table shows their total scores. Write down which numbers they could have hit to get these scores (there will often be more than one possible combination).

Remember that they will not always hit five numbers!

NAME	SCORE	POSSIBLE NUMBERS HIT
Carla	20	
Jane	25	
Peter	15	
Jack	30	

Answer:

NAME	SCORE	POSSIBLE NUMBERS HIT
CARLA	20	10, 10 OR 10, 5, 5 OR 5, 5, 5, 5
JANE	25	10, 10, 5 OR 10, 5, 5, 5 OR 5, 5, 5, 5
PETER	15	10, 5 OR 5, 5, 5
JACK	30	10, 10, 10 OR 10, 10, 5, 5 OR 10, 5, 5, 5, 5

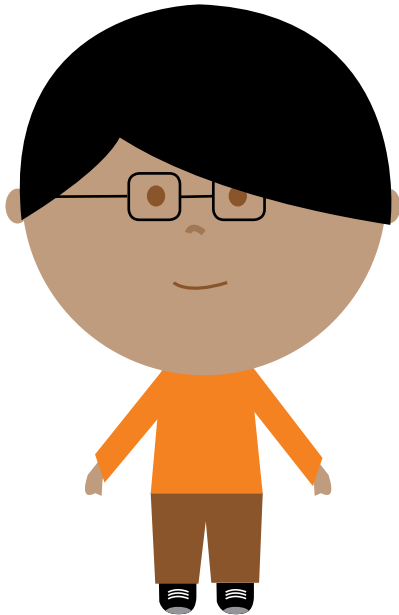
10x table puzzle 2



Sam only buys sweets on dates of the year that are a multiple of ten. Can you work out on how many days Sam buys sweets, from March to October?

Answer: March 10th, 20th, 30th, April 10th, 20th, 30th, May 10th, 20th, 30th, June 10th, 20th, 30th, July 10th, 20th, 30th, August 10th, 20th, 30th, September 10th, 20th, 30th, October 10th, 20th, 30th – so 24 days in all.

10x table puzzle 3



A teacher cuts up pieces of squared paper into strips that are 10 squares long. Each square measures 1cm along each side.

How many of these strips could you fit into a rectangle measuring 20cm by 60cm?

What would the surface area of this shape be?

Answer:
You would be able to fit 120 strips in the shape. The total surface area would be 1200cm squared.

11x table puzzle 1



Brian buys a set of 20 square bricks that are 11cm by 11cm.

He arranges them in a 5 by 4 rectangle.

What is the perimeter of this rectangle?

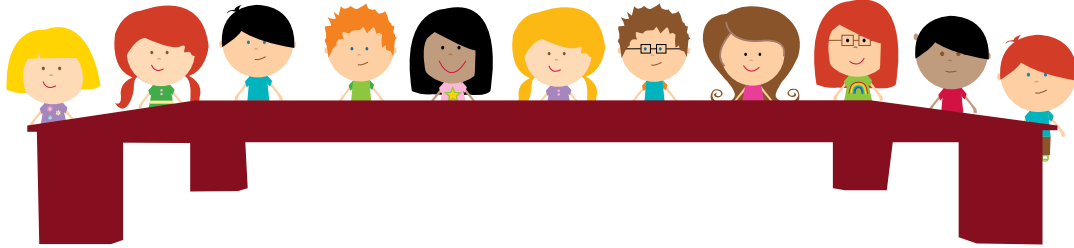
What is the area?

Helpful
hint:

Draw a picture of the tiles arranged in the rectangle to help you.

Answer:
The perimeter is 198cm, the area is 2420cm squared.

11x table puzzle 2



In the school dinners hall, each table has 11 children sat at it. There are 132 children in the hall altogether.

In the packed lunch hall, each table has 11 children sat at it. There are 99 children in the hall altogether.

How many more **TABLES** of children are there in the school dinners hall than the packed lunch hall?

Answer:
There are 9 tables in the packed lunch hall and 12 tables in the school dinners hall, so there are 3 more tables in the school dinners hall.

Jumbled Times Tables

Suggested age range 7+ (year 4 onwards)

Number of players One

How to prepare the game

- Cut out the number sentences on the following page and jumble them up.

How to play the game

- Start with a pile of jumbled up number sentences cards. How fast can you get them back into the right order?

Time yourself and see if you can beat your time with your next attempt.

To check your answers, consult the answers sheet.

How does this game support learning?

- Arranging number sentences correctly will help your child practise tricky times tables and see patterns - for example, 9×3 and 3×9 have the same answer.

Jumbled Times Tables

7
8
10
9
6
7
4
9
8
11

x
x
x
x
x
x
x
x
x
x

7
9
4
3
5
8
6
5
8
5

=
=
=
=
=
=
=
=
=
=

49
72
40
27
30
56
24
45
64
55

Jumbled Times Tables - answer sheet

7

x

7

=

49

8

x

9

=

72

10

x

4

=

40

9

x

3

=

27

6

x

5

=

30

7

x

8

=

56

4

x

6

=

24

9

x

5

=

45

8

x

8

=

64

11

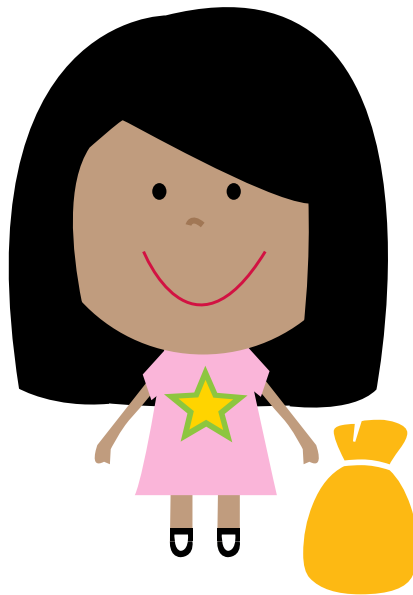
x

5

=

55

11x table puzzle 3



Louise has a bag full of 10p coins and 1p coins. There are the same number of 10p coins in the bag as there are 1p coins.

She has £1.43 altogether.

How many 10ps and 1ps are there in the bag?

Answer:
There are 13 10ps and 13 1ps.

12x table puzzle 1

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See if you can work out the four mystery numbers above with the following clues:

Each number is a multiple of 12.

The first, third and fourth numbers have two digits.

The second number has three digits.

None of the numbers are larger than 144.

Each number contains the digit 4.

The third number is half the first number.

The last number is 60 more than the third number.

Answer:
The numbers are (in this order): 48, 144, 24, 84

What's the Question? cards

48

12

50

10

32

20

18

72

90

24

100

40

30

88

15

25

What's the Question? answers

$$\begin{aligned} 6 \times 8 &= 48 \\ 4 \times 12 &= 48 \\ 2 \times 24 &= 48 \\ 3 \times 16 &= 48 \end{aligned}$$

$$\begin{aligned} 8 \times 4 &= 32 \\ 2 \times 16 &= 32 \end{aligned}$$

$$\begin{aligned} 10 \times 9 &= 90 \\ 2 \times 45 &= 90 \\ 3 \times 30 &= 90 \\ 18 \times 5 &= 90 \\ 6 \times 15 &= 90 \end{aligned}$$

$$\begin{aligned} 2 \times 15 &= 30 \\ 3 \times 10 &= 30 \\ 5 \times 6 &= 30 \end{aligned}$$

$$\begin{aligned} 2 \times 6 &= 12 \\ 3 \times 4 &= 12 \end{aligned}$$

$$\begin{aligned} 10 \times 2 &= 20 \\ 4 \times 5 &= 20 \end{aligned}$$

$$\begin{aligned} 2 \times 12 &= 24 \\ 3 \times 8 &= 24 \\ 4 \times 6 &= 24 \end{aligned}$$

$$\begin{aligned} 8 \times 11 &= 88 \\ 2 \times 44 &= 88 \\ 4 \times 22 &= 88 \end{aligned}$$

$$\begin{aligned} 10 \times 5 &= 50 \\ 2 \times 25 &= 50 \end{aligned}$$

$$\begin{aligned} 3 \times 6 &= 18 \\ 2 \times 9 &= 18 \end{aligned}$$

$$\begin{aligned} 2 \times 50 &= 100 \\ 4 \times 25 &= 100 \\ 5 \times 20 &= 100 \\ 10 \times 10 &= 100 \end{aligned}$$

$$3 \times 5 = 15$$

$$2 \times 5 = 10$$

$$\begin{aligned} 8 \times 9 &= 72 \\ 36 \times 2 &= 72 \\ 24 \times 3 &= 72 \\ 18 \times 4 &= 72 \\ 6 \times 12 &= 72 \end{aligned}$$

$$\begin{aligned} 2 \times 20 &= 40 \\ 4 \times 10 &= 40 \\ 5 \times 8 &= 40 \end{aligned}$$

$$5 \times 5 = 25$$