LEGGY ANIMALS

Question 1:

How many spiders? _____

One spider has _____ legs.

In all, spider legs are 3 times _____

Or, _____ + _____ + _____ = _____

Or 3 x _____ = _____

Answer:

How many spiders? **3**

One spider has **8** legs.

In all, spider legs are 3 times **8**

Or, **8 + 8 + 8 = 24**

Or 3 x **8** = **24**

Question 2:

So how many legs altogether do 5 octopuses have?

Answer:

8 + 8 + 8 + 8 + 8 = 40 legs

Or, 5 times 8 = 40 legs

Or, 5 x 8 = 40 legs

FIND THE NUMBER WITHOUT COUNTING

Question:

In the same way, how many bottles are these?

Answer:

4 times 5 = 4 x 5 = 20 bottles.

Question:

How many eggs?

Answer:

6 times 5 = 6 x 5 = 30 eggs.

PRACTICE TIME

Question A:

4×18 is 4 times ___ or ___ + ___ + ___ + ___

3×20 is ___ times ___ or ___ + ___ + ___

8×9 is ___ times ___ or ___ + ___ + ___ + ___ + ___ + ___ + ___ + ___ + ___

Answer:

4×18 is 4 times **18** or **18 + 18 + 18 + 18**

3×20 is **3** times **20** or **20 + 20 + 20**

8×9 is **8** times **9** or **9 + 9 + 9 + 9 + 9 + 9 + 9 + 9**

Question B:

Tell how many times!

Answer:

$8 + 8 + 8 = \mathbf{3} \times 8 = \mathbf{24}$

$3 + 3 + 3 + 3 + 3 = 5 \times \mathbf{3} = \mathbf{15}$

$30 + 30 + 30 = \mathbf{3} \times \mathbf{30} = \mathbf{90}$

$7 + 7 + 7 + 7 + 7 + 7 = \mathbf{7} \times \mathbf{6} = \mathbf{42}$

$12 + 12 + 12 + 12 = \mathbf{4} \times 12 = \mathbf{48}$

$6 + 6 + 6 = \mathbf{6} \times \mathbf{3} = \mathbf{18}$

$10 + 10 + 10 + 10 = \mathbf{4} \times \mathbf{10} = \mathbf{40}$

$2 + 2 + 2 + 2 + 2 = \mathbf{2} \times \mathbf{5} = \mathbf{10}$

$6 + 6 + 6 + 6 + 6 + 6 + 6 = \mathbf{7} \times \mathbf{6} = \mathbf{42}$

Question C:

Ramu bought 4 packets of biscuits. Each packet has 4 biscuits. How many biscuits did Ramu buy?

Answer:

Ramu bought 4 x 4 = 16 biscuits.

Question D:

There are 12 desks in a classroom. Each desk has 4 legs. What is the total number of legs of the desks?

Answer:

Total number of legs of the desks = 12 x 4 = 48 legs.

Question E:

Sabiha brought home 3 bunches of flowers. Each bunch has 4 flowers. How many flowers were there?

Answer:

Total number of flowers = 3 x 4 = 12 flowers.

Question F:

One rail coach has 8 wheels. How many wheels in all in 6 coaches?

Answer:

Total number of wheels in 6 coaches = 8 x 6 = 48 wheels.

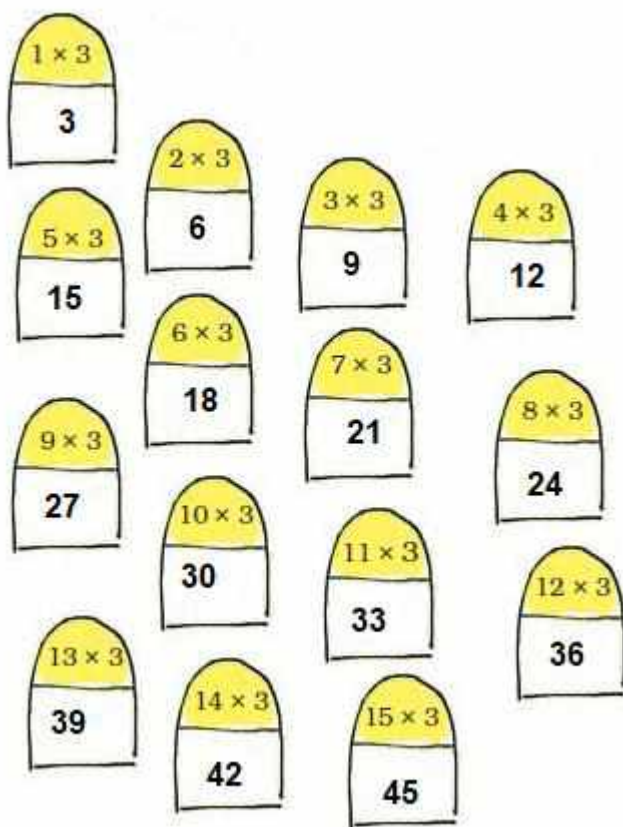**HOW MANY TIMES 2?**

Question:

Fill in the blanks

Answer:

1 time 2	is 2	or 1 × 2	= 2
2 times 2	is 4	or 2 × 2	= 4
3 times 2	is 6	or 3 × 2	= 6
4 times 2	is 8	or 4 × 2	= 8
5 times 2	is 10	or 5 × 2	= 10
6 times 2	is 12	or 6 × 2	= 12
7 times 2	is 14	or ___ × 2	= 14
8 times 2	is 16	or 8 × 2	= 16
9 times 2	is 18	or 9 × 2	= 18
10 times 2	is 20	or 10 × 2	= 20

JUMP WITH ME

Question:

Tarru Frog jumps 3 steps each time. Which numbers will Tarru touch?

Answer:

STICK PLAY

Question:

Try making a 2 times table with sticks

Answer:

$1 \times 2 = 2$

$2 \times 2 = 4$

$3 \times 2 = 6$

$4 \times 2 = \mathbf{8}$

$5 \times 2 = \mathbf{10}$

$6 \times 2 = \mathbf{12}$

$7 \times 2 = \mathbf{14}$

$8 \times 2 = \mathbf{16}$

$9 \times 2 = \mathbf{18}$

$10 \times 2 = \mathbf{20}$

Question:

Now draw sticks to make the multiplication table of 6.

Answer:

$1 \times 6 = 6$

$2 \times 6 = 12$

$3 \times 6 = 18$

$4 \times 6 = 24$

$5 \times 6 = 30$

$6 \times 6 = 36$

$7 \times 6 = 42$

$8 \times 6 = 48$

$9 \times 6 = 54$

$10 \times 6 = 60$

SHOPPING WITH TABLES

Question:

How much do these things cost?

1. 4 toffees cost _____ rupees.
2. 3 pencil boxes cost _____ rupees.
3. 10 pencil boxes cost _____ rupees.
4. 9 balloons cost _____ rupees.
5. 5 toys cost _____ rupees.
6. 7 face masks cost _____ rupees.

Answer:

1. 4 x 2 = 8 rupees
2. 3 x 10 = 30 rupees
3. 10 x 10 = 100 rupees
4. 9 x 5 = 45 rupees
5. 5 x 4 = 20 rupees
6. 7 x 3 = 21 rupees

PRACTICE TIME

Question A:

Complete the following:

Answer:

$2 \times 7 =$ **14**

$3 \times 9 =$ **27**

$4 \times 9 =$ **36**

$5 \times 2 =$ **10**

$5 \times 8 =$ **40**

$3 \times 10 =$ **30**

$10 \times 6 =$ **60**

$2 \times 8 =$ **16**

$5 \times 9 =$ **45**

$10 \times 8 =$ **80**

Question B:

Look at the patterns and complete them.

Answer:

3, 6, 9, **12, 15, 18**.

2, 4, 6, **8, 10, 12.**

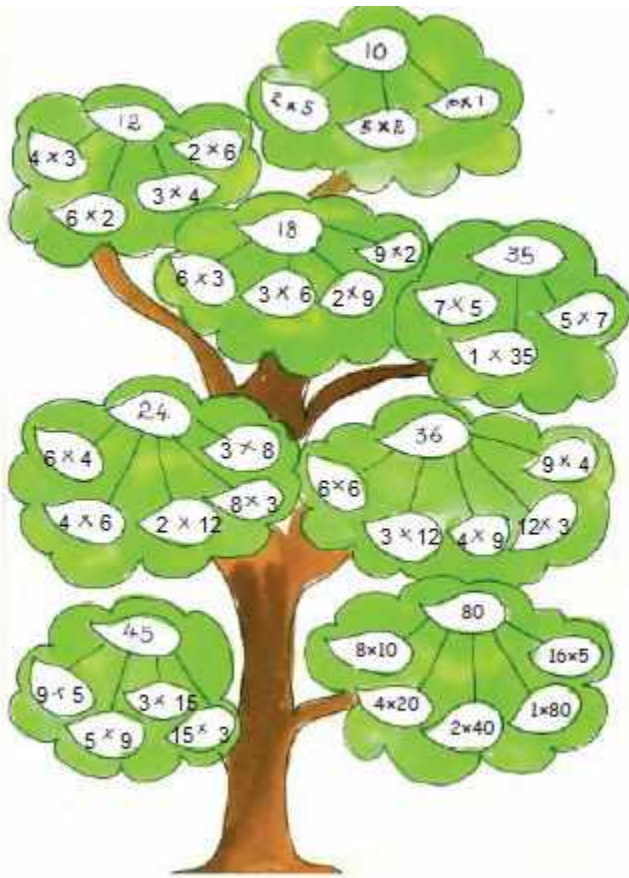10, 20, 30, **40, 50, 60.**

4, 8, 12, **16, 20, 24.**

5, 10, 15, **20, 25, 30.**

30, 60, 90, **120, 150, 180**

Question C:

Complete the multiplication tree

Answer:

Question D:

How many in all?

1. A shirt has 5 buttons. How many buttons would 3 shirts have?
2. There are four fans. Each fan has 3 blades. What is the total number of blades in all?
3. A box contains 6 apples. How many apples in all will seven boxes have?
4. How many corners would 4 triangles have?

Answer:

1. 5 x 3 = 15 buttons
2. 4 x 3 = 12 blades
3. 6 x 7 = 42 apples
4. 4 x 3 = 12 corners

Question E:

Some multiplication facts

Answer:

÷   8 × 3   = _24_   ÷   5 × _7_ = 35

÷   3 × _7_ = _21_   ÷ _6_ × 6   = 36

÷ _7_ × _6_ = _42_   ÷ 10 × _4_ = _40_

÷   5 × _8_ = _40_   ÷ _4_ × 9   = 36

÷ _6_ × _9_ = _54_   ÷ _4_ × 7   = 28

PRACTICE TIME

Question A:

Multiply

Answer:

$22 \times 3 = 66$

$43 \times 2 = 86$

$21 \times 4 = 84$

$24 \times 2 = 48$

$11 \times 5 = 55$

$30 \times 5 = 150$

$20 \times 4 = 80$

$23 \times 9 = 207$

$26 \times 4 = 104$

$38 \times 2 = 76$

$25 \times 3 = 75$

$24 \times 5 = 120$

$35 \times 3 = 105$

$48 \times 4 = 192$

$32 \times 5 = 160$

$58 \times 2 = 116$

Question B:

First, guess the answer and then calculate:

1. A flower has five petals. A bunch of flowers has 13 flowers. How many petals are there in the bunch?
2. A book has 64 pages. What will be the total number of pages in 8 such books?
3. Students stand in rows in the assembly. There are six rows of students. Each row has 17 students. How many students are there?
4. A design has 3 flowers in it. A piece of cloth has 17 such designs. How many flowers will be on the cloth?

Answer:

1. Total number of petals = 5 x 13 = 65 petals.
2. Total number of pages = 64 x 8 = 512 pages.
3. Total number of students = 6 x 17 = 102 students.
4. Total number of flowers on the cloth = 3 x 17 = 51 flowers.

PRACTICE TIME

Question 1:

First, guess the answer and then check it by calculating:

Answer:

$42 \times 23 = $ **966**

$73 \times 11 = $ **803**

$51 \times 13 = $ **663**

$54 \times 12 = $ **648**

$25 \times 36 = $ **900**

$12 \times 14 = $ **168**

MULTIPLICATION PATTERNS

Question A:

9 × 1 = 9

9 × 2 = 18   1 + 8 = 9

9 × 3 = 27   2 + 7 = 9

9 × 4 = 36   3 + 6 = 9

9 × 5 = 45   4 + 5 = 9

9 × __ = ___   __ + __ = ___

9 × __ = ___   __ + __ = ___

9 × 8 = ___   __ + __ = ___

Did you see the pattern in the 9 times table? What numbers are adding up to 9?

Answer:

9 × 1 = 9

9 × 2 = 18   1 + 8 = 9

9 × 3 = 27   2 + 7 = 9

9 × 4 = 36   3 + 6 = 9

9 × 5 = 45   4 + 5 = 9

9 × **6** = **54**   **5** + **4** = **9**

9 × **7** = **63**   **6** + **3** = **9**

9 × 8 = **72**   **7** + **2** = **9**

Yes, the pattern in the 9 times table is that the sum of the digits in the product is always 9.

Question B:

Complete the grid by multiplying the numbers

Answer:

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

Question: Look for other such crosses and copy them into your Notebook

Answer:

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

$6 + 12 + 18 = 36 = 10 + 12 + 14$

$9 + 18 + 27 = 54 = 16 + 18 + 20$

8 + 10 + 12 = **30** = 5 + 10 + 15