Name & Surname: _____ Class: _____ Date: _____

Times Tables to 12

Multiply, divide and check with confidence



About 60 minutes Level ★★★☆☆

Multiply and Divide

Multiplication and division are **inverse** operations. Learn one **fact** and you get three more for free.

- 7 × 8 = 56, so 8 × 7 = 56 (**order** does not matter)
- 56 ÷ 7 = 8 and 56 ÷ 8 = 7 (use the **inverse**)
- 12 × 4 = 48 because 6 × 4 = 24, then **double** 24

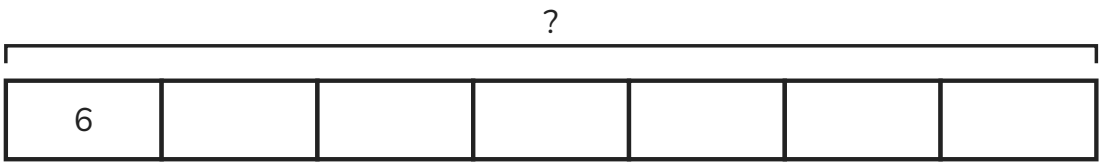


Task A

/6

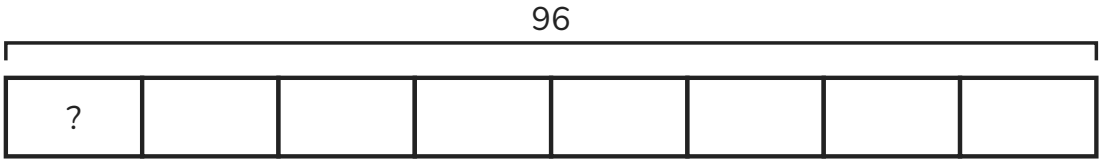
Use the bar models to find the missing numbers.

1 7 sheets have 6 **stickers** on each sheet. How many stickers are there in total?



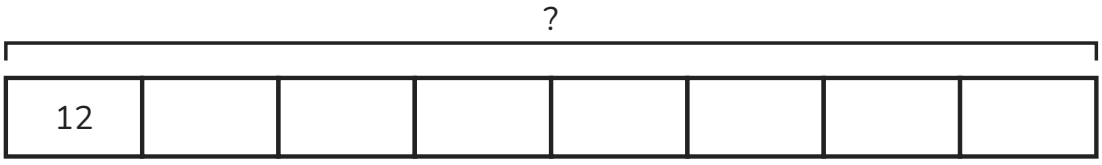
Answer: _____ **stickers**

2 96 **crayons** are shared equally between 8 trays. How many crayons are in each tray?



Answer: _____ **crayons**

3 A shopkeeper packs 12 **eggs** into each of 8 boxes. How many eggs are there in total?



Answer: _____ **eggs**

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Quick Recall

Practise quick multiplication and division facts up to 12 × 12.

Key words

multiple: a number you get when you count in steps of another number, like 24 when you count in 6s

product: the answer you get when you multiply numbers, like 24 in 6 × 4 = 24

inverse: the opposite operation that undoes another

factor: one of the numbers you multiply together, like 6 and 4 in 6 × 4 = 24

divide: split into equal groups or shares

Task B

/10

Recall each fact quickly. Use the inverse to check division.

WARM UP

1 Find the **product** of 2 × 12

Answer: _____

2 Find the **product** of 5 × 6

Answer: _____

3 Work out 10 × 7 using **place** value

Answer: _____

PRACTISE

4 Work out 48 ÷ 6. Use the **inverse** multiplication

Answer: _____

5 Work out 72 ÷ 8. Think of the **missing** factor

Answer: _____

6 What number **multiplied** by 7 gives 42?

Answer: _____

7 Work out 12 × 4 by **doubling** 6 × 4

Answer: _____

PROBLEM SOLVING

8 A pack holds 6 **pencils**. A teacher buys 8 packs. How many pencils in total?

Answer: _____

9 96 **stickers** are shared equally between 12 children. How many does each child get?

Answer: _____

10 If 9 × 6 = 54, work out 54 ÷ 9. Give the **division** fact

Answer: _____

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Spot Mistakes

Find the wrong step and fix these times-table slips.

Task C /4

Find the wrong step in each piece of working.



Student A

Work out 7 × 8. Think in **groups**.

1. 7 × 8
2. = 7 + 8 = 15
3. So the answer is 15

The mistake is in step: _____

What went wrong?

.....

Correct answer: _____



Student B

Work out 96 ÷ 12. Think in **shares**.

1. 96 ÷ 12
2. = 12 because 8 × 12 = 96
3. So the answer is 12

The mistake is in step: _____

What went wrong?

.....

Correct answer: _____

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Tables Challenge

Tackle harder facts and two-step table problems.

Task D

/10

Use known facts and patterns to work these out.

WARM UP

1 Find the **product** of 3 × 7

Answer: _____

2 Work out 4 × 9. Picture the **array**

Answer: _____

3 Work out 11 × 5. Look for the **pattern**

Answer: _____

PRACTISE

4 Work out 66 ÷ 6 using **place** value

Answer: _____

5 Work out 84 ÷ 12. Think of the **inverse**

Answer: _____

6 What number **multiplied** by 8 gives 96?

Answer: _____

7 Work out 11 × 12. Spot the **pattern**

Answer: _____

PROBLEM SOLVING

8 A ticket costs £7. Seven **tickets** cost how much in total?

Answer: _____

9 108 **beads** are shared equally between 9 friends. How many beads does each friend get?

Answer: _____

10 Use 6 × 12 = 72 to work out 72 ÷ 12. Give the **division** fact

Answer: _____

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Grid Masters

Fill the grid and count in table steps.

Task E

/11

Fill the missing products in the grid.

×	6	7	8	12
6		42		
7	42			
9	54	63		
12				144

Task F

/7

Write the missing multiples in each sequence.

1. 7, 14, 21, 28, ____, ____, ____
2. 84, 72, ____, 48, ____, 24
3. 9, 18, 27, 36, ____, ____

How did I do?

Circle a face for each line.

I can recall multiplication facts up to 12 × 12.

I can use division facts and the inverse to check.

I can spot and correct common table mistakes.

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Answer sheet: Times Tables to 12

Task A

1. 42 stickers
2. 12 crayons
3. 96 eggs

Task B

1. 24
2. 30
3. 70
4. 8
5. 9
6. 6
7. 48
8. 48
9. 8
10. 6

Task C

1. Step 2 is wrong: They added the two numbers instead of multiplying. 7 times 8 means 7 groups of 8. Correct answer: 56
2. Step 2 is wrong: They found a correct multiplication fact but mixed up the divisor and the answer. 96 split into 12 equal groups gives 8 in each group. Correct answer: 8

Task D

1. 21
2. 36
3. 55
4. 11
5. 7
6. 12
7. 132
8. £49
9. 12
10. 6

Task E

6 × 6, 7, 8, 12: 36, 42, 48, 72
7 × 6, 7, 8, 12: 42, 49, 56, 84
9 × 6, 7, 8, 12: 54, 63, 72, 108
12 × 6, 7, 8, 12: 72, 84, 96, 144

Task F

1. 35, 42, 49
2. 60, 36
3. 45, 54

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