

Year 4: The 7 and 11 times tables, square numbers and the whole grid: answers

Year 4 - Times Tables - Lesson 3.4

Answers. Final answers to the worksheet questions. Full step-by-step solutions for every question are free at websink.site/ks2-sats/maths/year-4/ch03-times-tables/the-7-and-11-times-tables-square-numbers-and-the-whole-grid/

Exercise 3D The 7 and 11 times tables, squares and the grid Non-calculator

1 Quick-fire! The 7 times table.

(a) $7 \times 3 =$

Answer: 21

(b) $7 \times 6 =$

Answer: 42

(c) $7 \times 7 =$

Answer: 49

(d) $7 \times 8 =$

Answer: 56

(e) $9 \times 7 =$

Answer: 63

(f) $7 \times 11 =$

Answer: 77

(g) $12 \times 7 =$

Answer: 84

(h) $7 \times 4 =$

Answer: 28

(i) $5 \times 7 =$

Answer: 35

(j) $10 \times 7 =$

Answer: 70

2 Quick-fire! The 11 times table.

(a) $11 \times 2 =$

Answer: 22

(b) $11 \times 5 =$

Answer: 55

(c) $11 \times 9 =$

Answer: 99

(d) $3 \times 11 =$

Answer: 33

(e) $11 \times 10 =$

Answer: 110

(f) $11 \times 11 =$

Answer: 121

(g) $12 \times 11 =$

Answer: 132

(h) $7 \times 11 =$

Answer: 77

(i) $11 \times 8 =$

Answer: 88

(j) $4 \times 11 =$

Answer: 44

3 Write each square number.

(a) 3×3

Answer: 9

(b) 5×5

Answer: 25

(c) 6×6

Answer: 36

(d) 8×8

Answer: 64

(e) 9×9

Answer: 81

(f) 10×10

Answer: 100

(g) 11×11

Answer: 121

(h) 12×12

Answer: 144

4 Quick-fire! These are the trickiest facts.

(a) $6 \times 6 =$

Answer: 36

(b) $6 \times 7 =$

Answer: 42

(c) $6 \times 8 =$

Answer: 48

(d) $7 \times 7 =$

Answer: 49

(e) $7 \times 8 =$

Answer: 56

(f) $8 \times 8 =$

Answer: 64

(g) $6 \times 9 =$

Answer: 54

(h) $7 \times 9 =$

Answer: 63

(i) $8 \times 9 =$

Answer: 72

(j) $9 \times 9 =$

Answer: 81

(k) $6 \times 12 =$

Answer: 72

(l) $8 \times 12 =$

Answer: 96

5 Find the missing number in each sum.

(a) $7 \times \boxed{?} = 63$

Answer: 9

(b) $\boxed{?} \times 11 = 88$

Answer: 8

(c) $8 \times \boxed{?} = 56$

Answer: 7

(d) $\boxed{?} \times 7 = 84$

Answer: 12

(e) $12 \times \boxed{?} = 144$

Answer: 12

(f) $\boxed{?} \times 9 = 81$

Answer: 9

6 Part of the multiplication grid is below. Work out the numbers in the boxes A, B, C and D.

$\times$	7	8	9
6	42	A	54
7	B	56	C
8	56	64	D

(a) Box A: row 6, column 8

Answer: 48

(b) Box B: row 7, column 7

Answer: 49

(c) Box C: row 7, column 9

Answer: 63

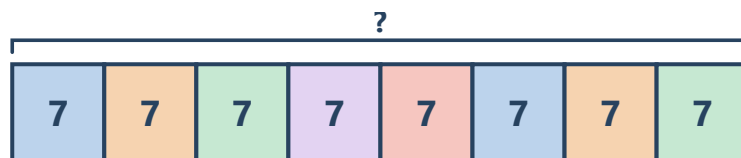
(d) Box D: row 8, column 9

Answer: 72

7 Write all the square numbers that are between 30 and 100.

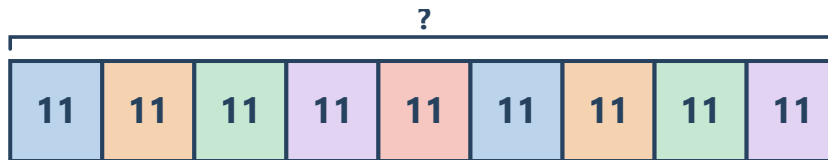
Answer: 36, 49, 64, 81

8 There are 7 days in one week. How many days are there in 8 weeks?



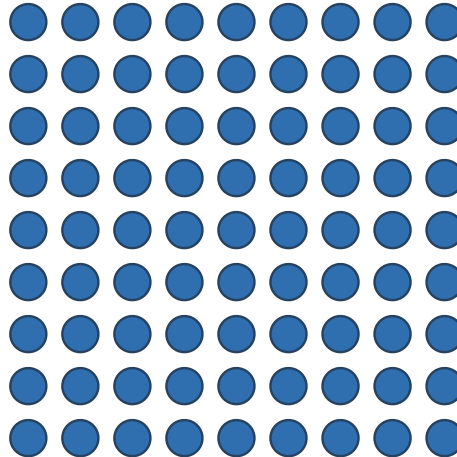
Answer: 56

9 A football team has 11 players. There are 9 teams in a tournament. How many players are there altogether?



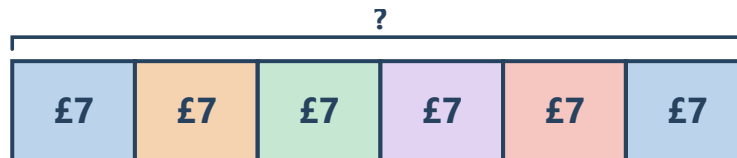
Answer: 99

- 10** A square garden has 9 rows of 9 plants. How many plants are in the garden?



Answer: 81

- 11** A pizza costs £7. Priya buys 6 pizzas for a party. How much do the pizzas cost altogether?



Answer: £42

- 12** Ravi says, " $7 \times 8 = 54$." Show that Ravi is wrong. What is 7×8 ?

Answer: 56

- 13** Always, sometimes or never?

(a) When you multiply 11 by a number from 1 to 9, both digits of the answer are the same.

Answer: Always

(b) A square number is an even number.

Answer: Sometimes

- 14** Which one is the odd one out? 49 64 56 81

Answer: 56

- 15** The 12×12 grid has 144 boxes. Because $7 \times 8 = 8 \times 7$, many of the facts are repeats. How many **different** facts are in the grid? (3×4 and 4×3 count as the same fact.)

×	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144

Answer: 78