Mixed bag

T Complete the calculations below using these numbers.

~~16~~ 18 20 24 27 30 30 35 36 80

2 × 8 = 16	5 × 4 =	4 × 6 =
10 × 3 =	3 × 6 =	5 × 7 =
6 × 5 =	8 × 10 =	3 × 9 =

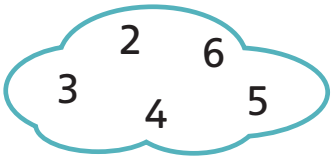
One of the numbers has not been used. Write a multiplication with that answer. ☐ × ☐ = ☐

S Join pairs of calculations with the same product.

4 × 5	6 × 6	3 × 10	5 × 8	8 × 6	6 × 3	3 × 8

5 × 6	4 × 6	2 × 9	4 × 9	10 × 4	2 × 10	4 × 12

D Choose three numbers from the cloud to multiply together to make each target number.



☐ × ☐ × ☐ = 24	☐ × ☐ × ☐ = 36
☐ × ☐ × ☐ = 60	☐ × ☐ × ☐ = 72
☐ × ☐ × ☐ = 40	☐ × ☐ × ☐ = 120

Use the same set of numbers to make two more calculations with answers that are multiples of 12.

☐ × ☐ × ☐ = ☐

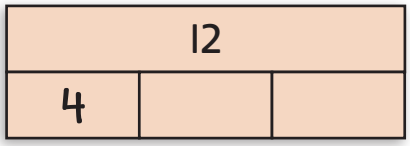
☐ × ☐ × ☐ = ☐



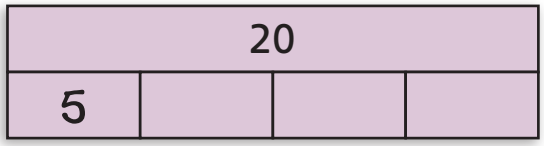
Visual tables

Mixed practice

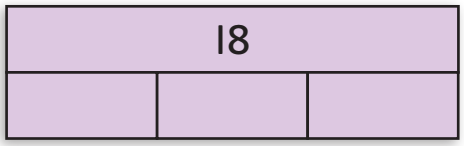
T Fill in the numbers on the bars and complete each calculation.



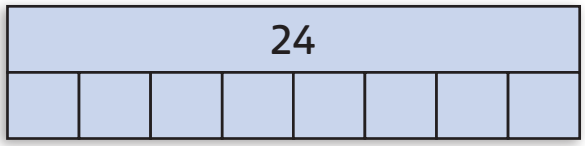
$3 \times 4 = 12$



$4 \times 5 =$ ☐

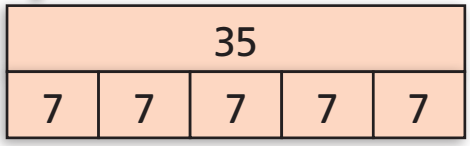


$3 \times 6 =$ ☐

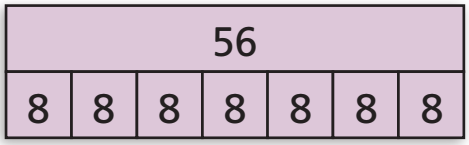


$8 \times 3 =$ ☐

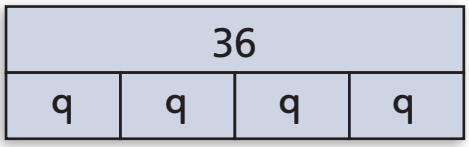
S Complete the calculations for each bar model.



☐ × 7 = 35 35 ÷ 7 = ☐

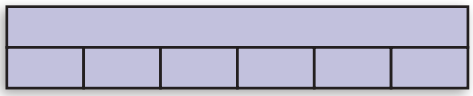


☐ × ☐ = ☐ ☐ ÷ ☐ = ☐



☐ × ☐ = ☐ ☐ ÷ ☐ = ☐

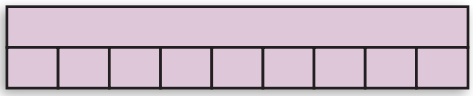
D Write three different calculations that each bar model could represent. Include at least one division for each.



☐ ○ ☐ = ☐

☐ ○ ☐ = ☐

☐ ○ ☐ = ☐



☐ ○ ☐ = ☐

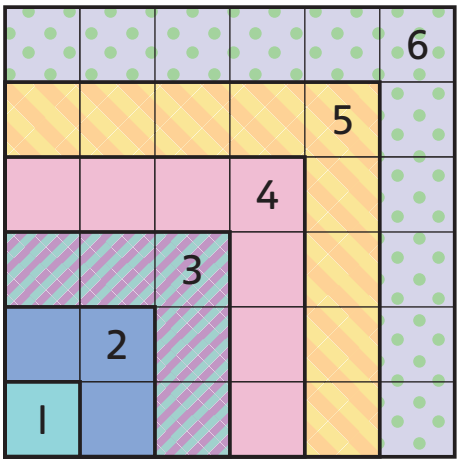
☐ ○ ☐ = ☐

☐ ○ ☐ = ☐

Squares

Mixed practice

T How many small squares are there in each larger square?



1 × 1 = ☐

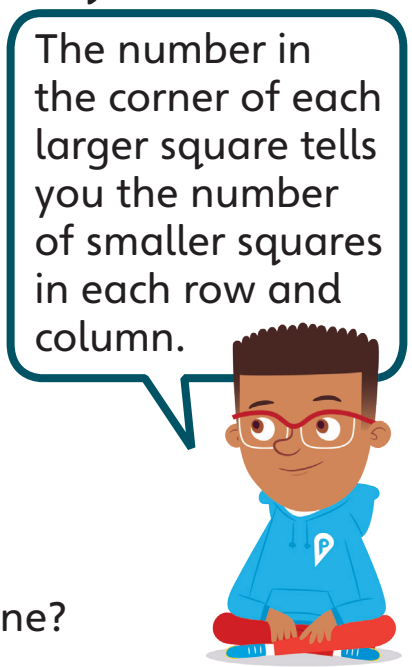
2 × 2 = ☐

3 × 3 = ☐

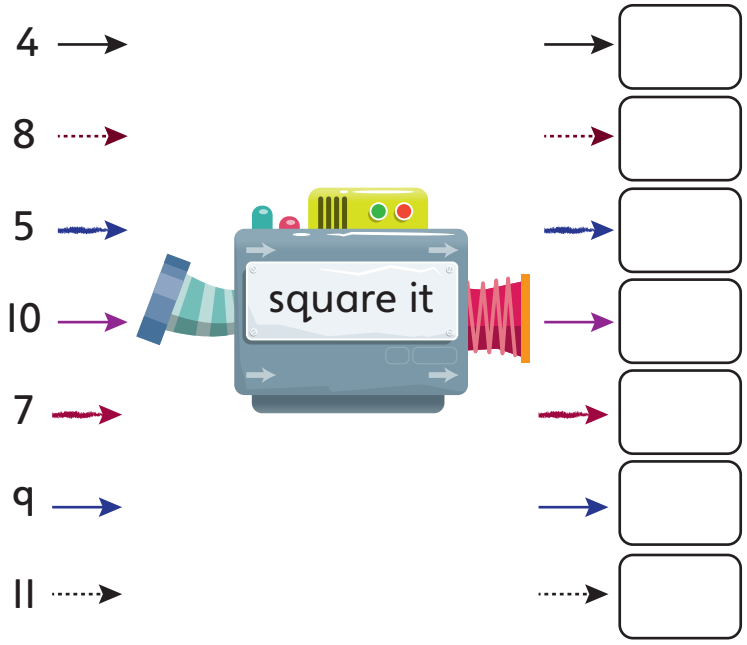
4 × 4 = ☐

5 × 5 = ☐

6 × 6 = ☐



S What numbers come out of the function machine?





D In each calculation a number is multiplied by itself to give the answer. Fill in all the missing numbers.

☐ × ☐ = 25

☐ × 7 = ☐

3 × ☐ = ☐

☐ × 9 = ☐

☐ × ☐ = 144

☐ × ☐ = 16

8 × ☐ = ☐

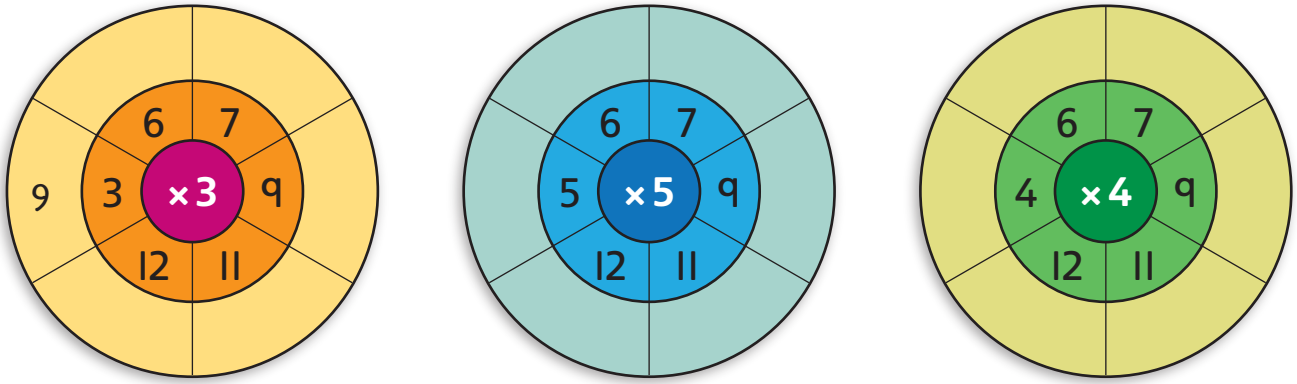
☐ × 11 = ☐

☐ × ☐ = 36

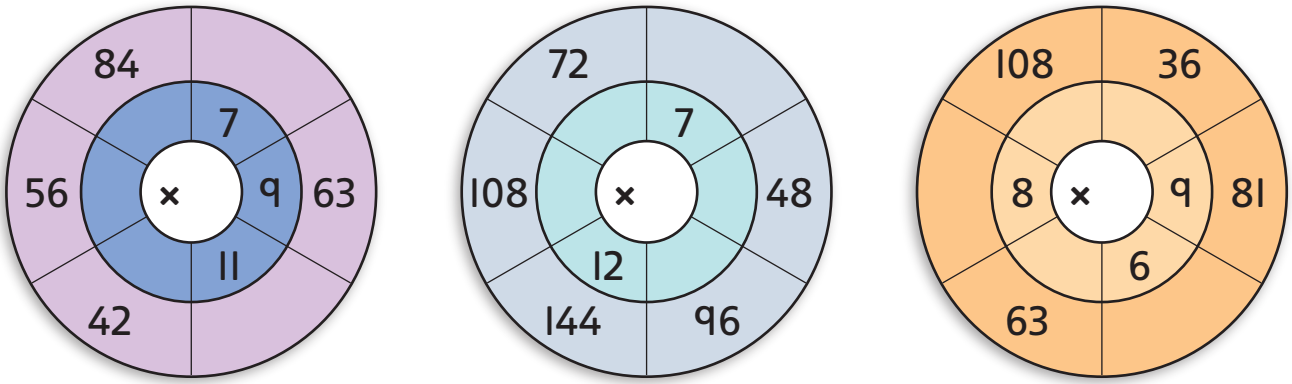
Target numbers

Mixed practice

T Complete the multiplications. Multiply the number in the centre by the number in the next circle to find the outer number.



S Complete the multiplications. Think about where to start each time to work out the number in the centre.



D Fill in the grid. Use the numbers in the grid to work out the missing numbers.

Use your knowledge of times tables facts to find the missing numbers.



×			6	8					
6				48	54				18
	60		72				48		
11		77				132			
				56	63			77	
			54						27

Sorting facts

Mixed practice

T Sam scores a point for an odd number answer. Jack scores a point for an even number answer. Use the digits 2 to 7 to write multiplications for Sam and Jack. You can use a digit more than once.

Odd (Sam)	Even (Jack)
3 × 5 = 15	

What do you notice about multiplications that involve only odd numbers?



S Sam scores a point for an odd number answer. Jack scores a point for an even number answer. Complete the calculations so that Sam and Jack have 6 points each.

Sam (Odd)

☐	× 3	= ☐		☐	× 7	= ☐	
☐	× 11	= ☐		☐	× 9	= ☐	
5	× ☐	= ☐		7	× ☐	= ☐	

Jack (Even)

8	× ☐	= ☐		5	× ☐	= ☐	
9	× ☐	= ☐		6	× ☐	= ☐	
☐	× 7	= ☐		12	× ☐	= ☐	

D Jack says, 'When you multiply a number by an odd number, you always get an odd number.' Is Jack correct? Explain your answer.

