

Year 4 Programme of Study Multiplication and Division

Recall multiplication and division facts for
multiplication tables up to 12×12



Crack the Code

Detective Donnelly needs your help! Crack each code below by finding the missing numbers in each sequence. Detective Donnelly has already completed the first one.



1. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

2. 2, 4, 6, 8, _____

3. 3, 6, _____, 12, 15, _____, _____, 33, _____

4. _____, 8, 12, 16, _____, _____, 32, _____, _____, 48

5. 5, _____, 15, 20, _____, _____, 35, 40, _____, _____, _____

4. Chelsey works for 4 hours every day at the shop, apart from weekends. How many hours does she work in a week?

5. Bob buys a packet of mints every day, including weekends. Each packet contains 11 mints. How many mints does he buy in a week?

6. Raj has 84 cans of baked beans. He packs them into boxes. Each box can store 7 cans. How many boxes will he need altogether to pack the baked bean cans?

7. Mr Rodríguez buys 6 pizzas. Each pizza costs £4. What is the total cost of all the pizzas?

Raj's Word Problems

Use your knowledge of times tables to help Raj solve these multiplication problems at his shop.

1. In the shop, coloured pencils are sold in packs. Each pack contains 8 pencils. If Raj sells 7 packs, how many pencils are sold altogether?

2. Mrs Mercer buys a bag of sweets. It contains 21 sweets altogether. If her 3 children share the sweets equally, how many sweets will each child get?

3. Raj buys 10 packs of fish fingers to sell in his shop. Each pack contains 12 fish fingers. How many fish fingers has he bought altogether?

6. 6, 12, 18, _____

7. 7, 14, _____ 28, _____ 49, _____

8. 8, _____ 24, _____ 48, _____ 72, _____

9. _____ 18, 27, 36, _____

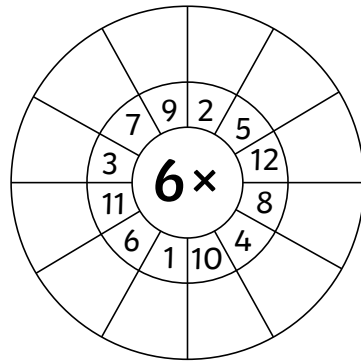
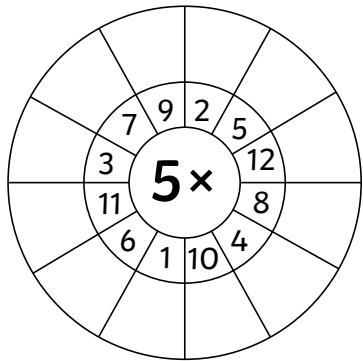
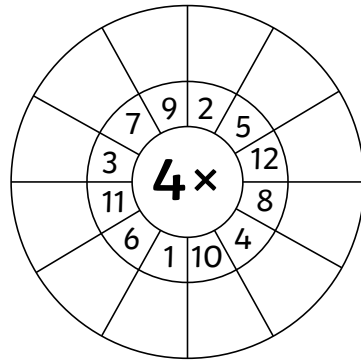
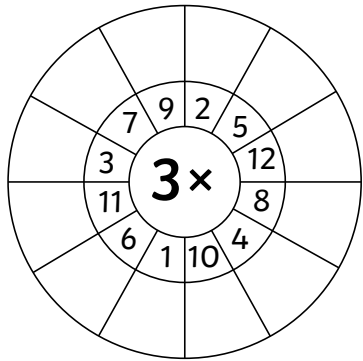
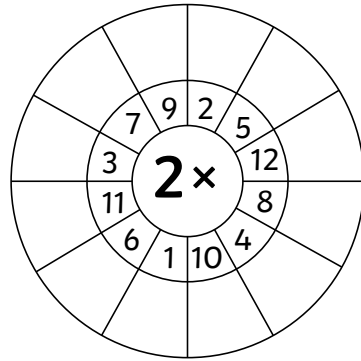
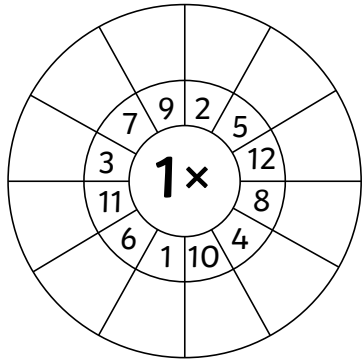
10. _____ 40, 50, 60, _____

11. 11, 22, 33, _____

12. _____ 24, 36, _____ 84, 96, _____ 120, _____

Multiplication Wheels

Multiply the numbers on each wheel by the middle number. Write your answer in the outer wheel.



Wendy the Witch did a multiplication, but she made both numbers disappear. Calculate the missing numbers in the calculation below. How many different solutions can you find?



$$\times \quad = \quad 24$$

Times Tables Missing Numbers

Wendy the Witch has cast a spell to make some numbers disappear. Calculate which number has disappeared in each of the calculations below and write it on the magic star.



1. $2 \times \text{☆} = 8$

11. $\text{☆} \times 8 = 72$

2. $5 \times 9 = \text{☆}$

12. $8 \times 6 = \text{☆}$

3. $\text{☆} \times 7 = 56$

13. $12 \times \text{☆} = 12$

4. $9 \times \text{☆} = 63$

14. $\text{☆} \times 3 = 27$

5. $12 \times \text{☆} = 24$

15. $4 \times \text{☆} = 32$

6. $\text{☆} \times 4 = 20$

16. $\text{☆} \times 4 = 44$

7. $2 \times 9 = \text{☆}$

17. $5 \times \text{☆} = 15$

8. $\text{☆} \times 6 = 18$

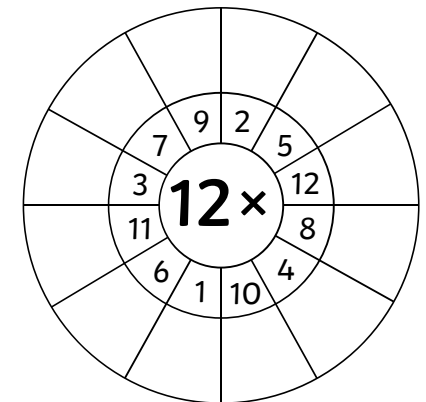
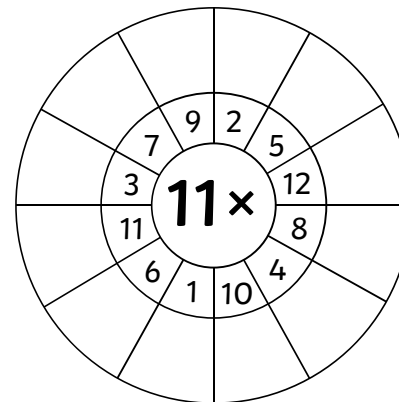
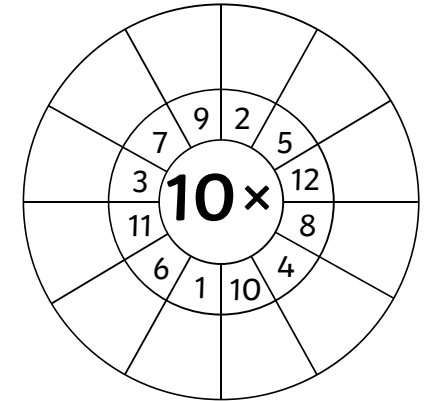
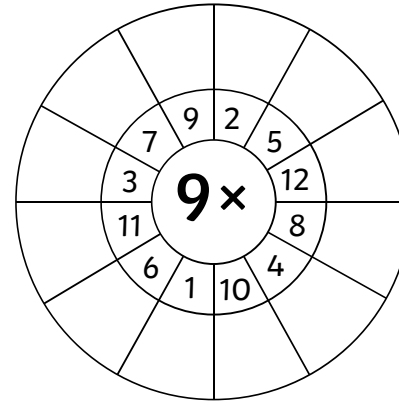
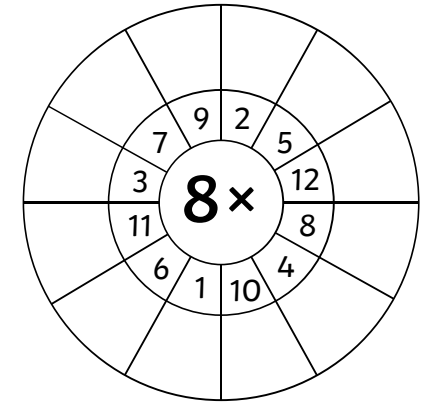
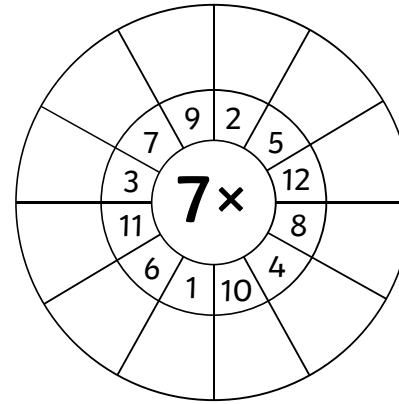
18. $\text{☆} \times 5 = 30$

9. $\text{☆} \times 4 = 36$

19. $8 \times \text{☆} = 88$

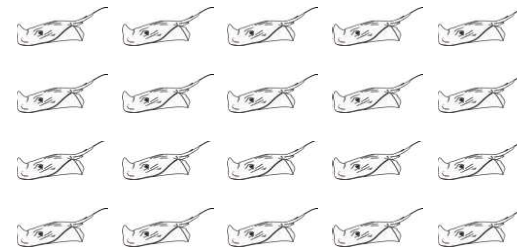
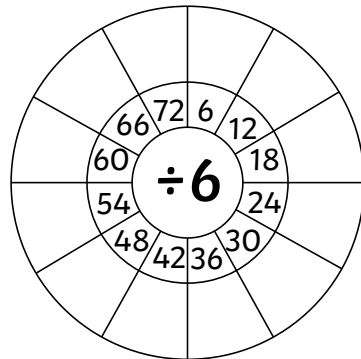
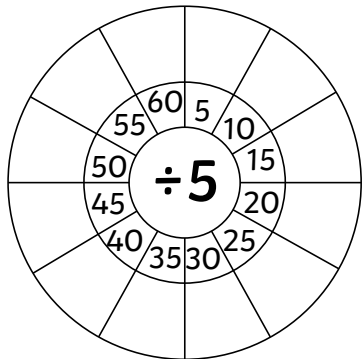
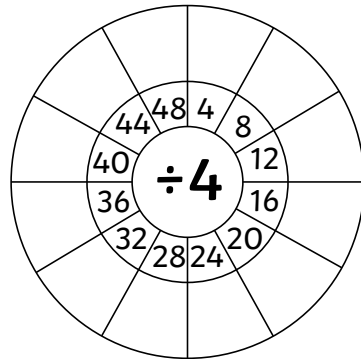
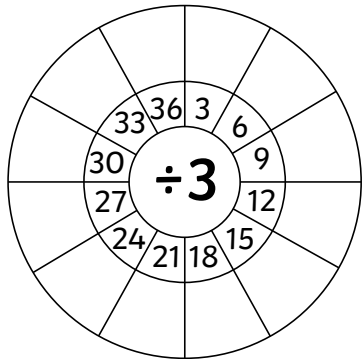
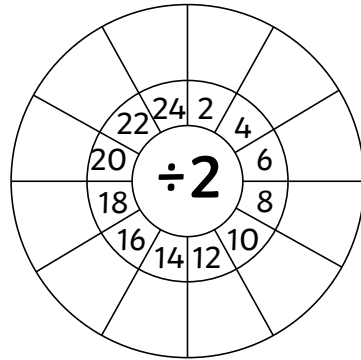
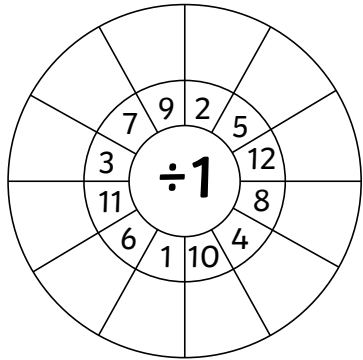
10. $11 \times \text{☆} = 55$

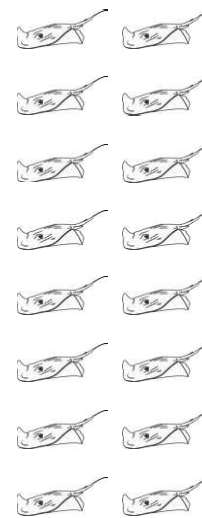
20. $\text{☆} \times 12 = 60$

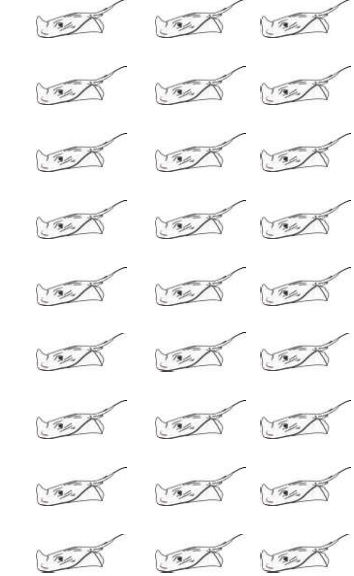


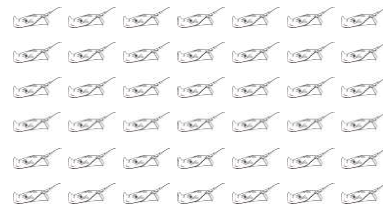
Division Wheels

Divide the numbers on each wheel by the middle number. Write your answers in the outer wheel.



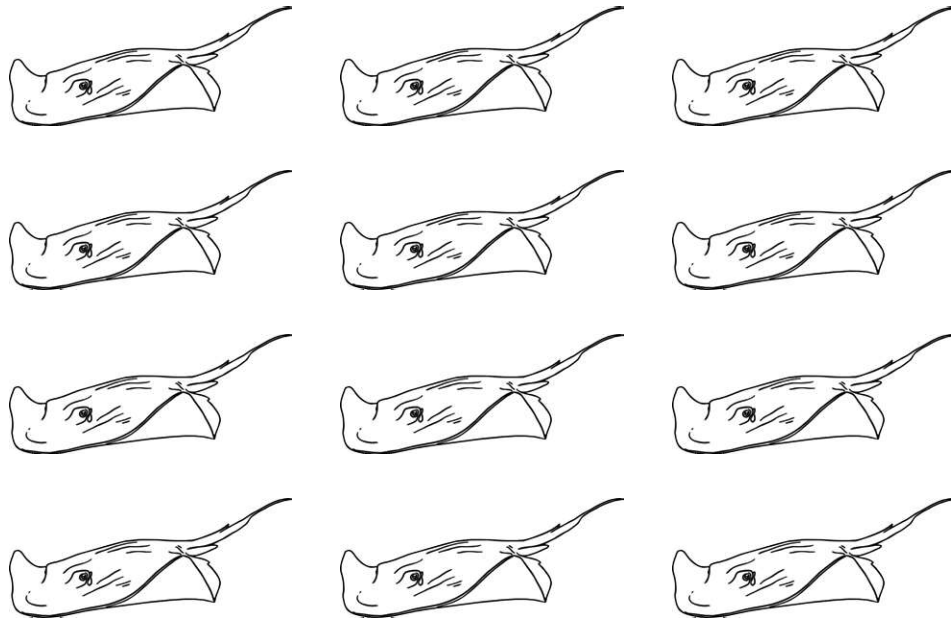






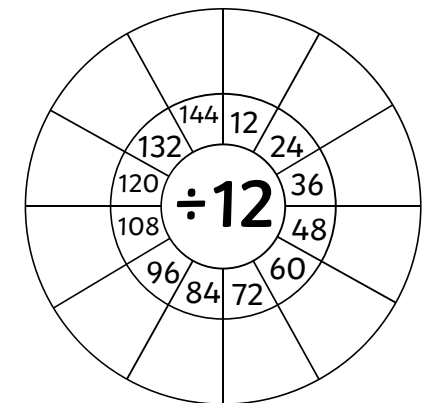
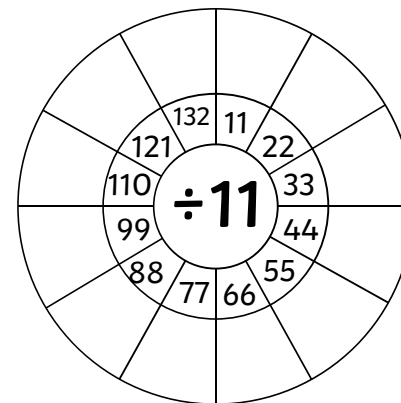
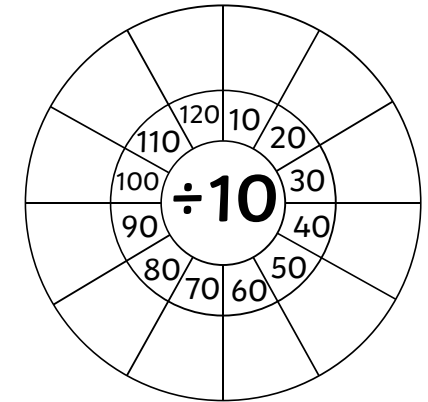
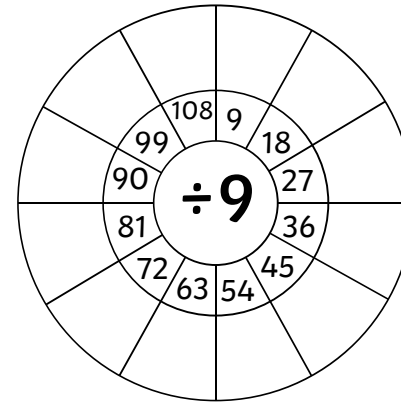
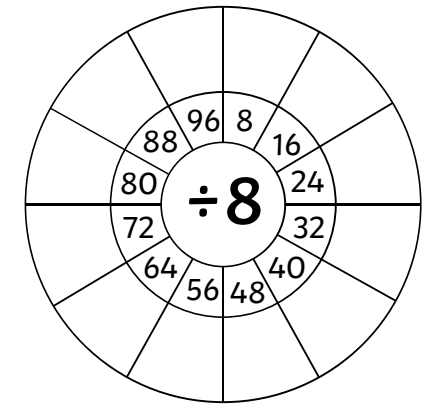
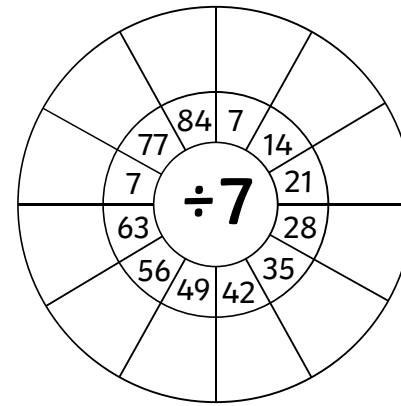
Ray's Arrays

Ray the manta ray loves maths. He has set you a challenge. Write a multiplication calculation and a division calculation for each of the arrays below. The first one has been done for you.



$$3 \times 4 = 12$$

$$12 \div 4 = 3$$



The Mystery of the Maths Pyramids

Amun needs your help to solve the mystery of the pyramids. Multiply the corners of each triangle and write your answer on the side. The first has been done for you.

