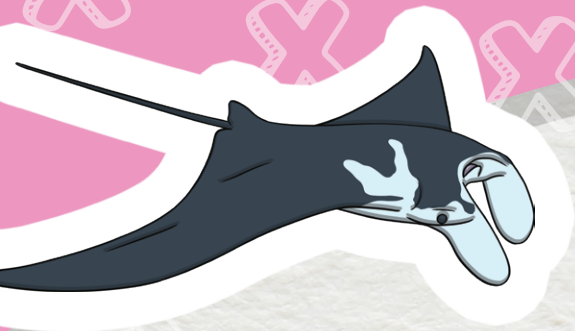
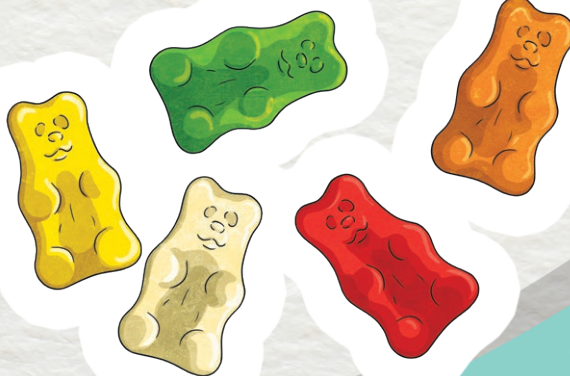
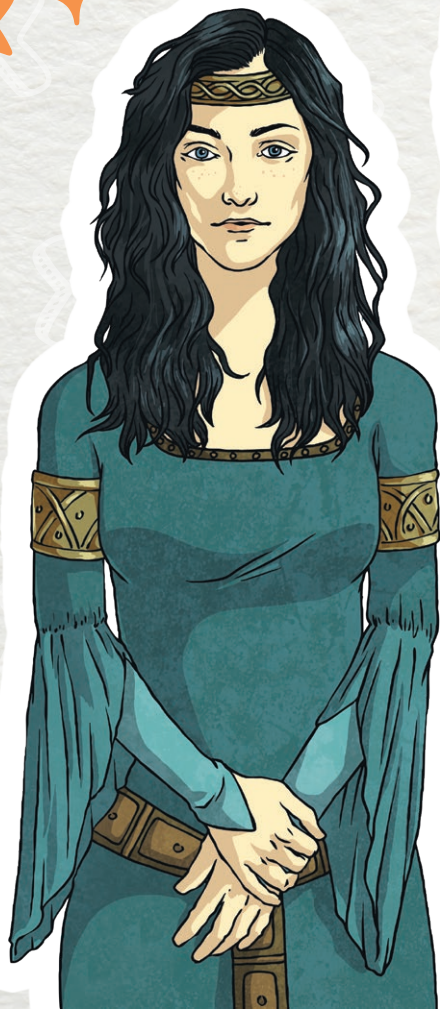




Times Tables Facts to 12 x 12

Activity Booklet Ages 8 - 9





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, _____

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, _____

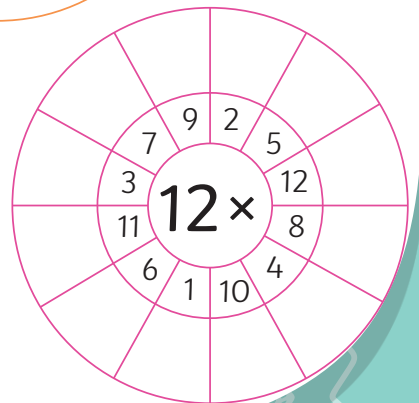
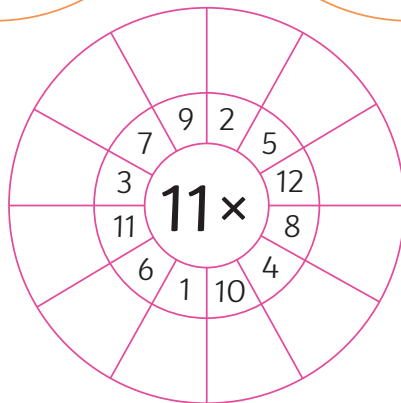
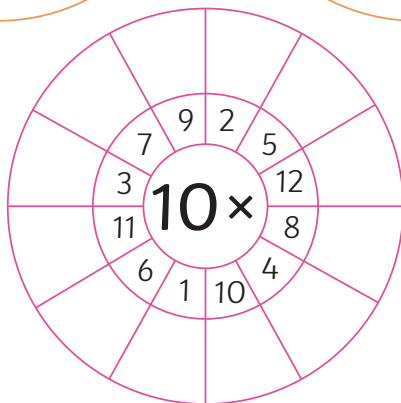
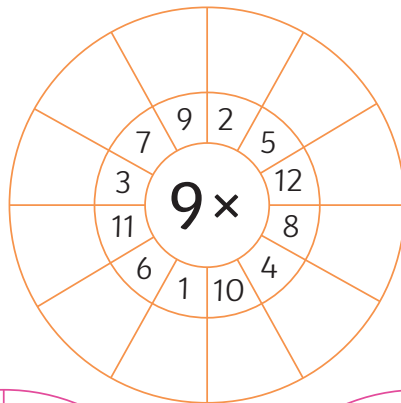
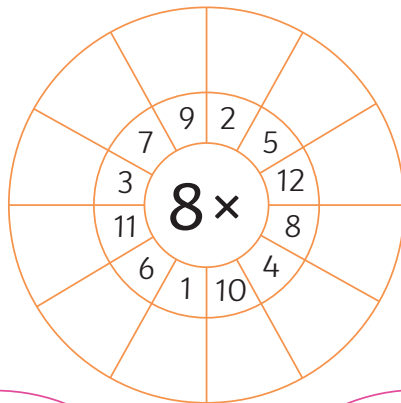
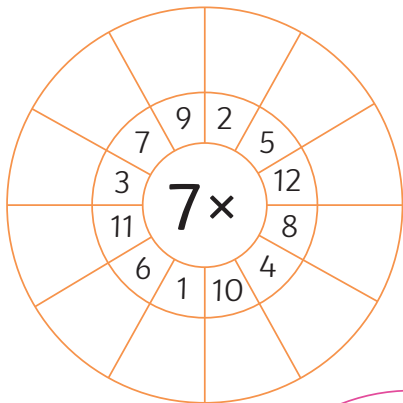
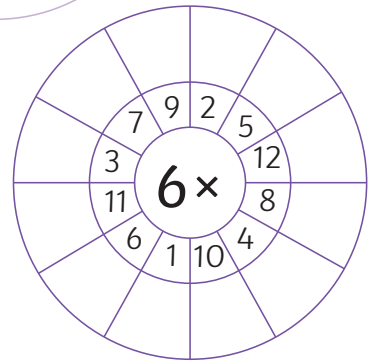
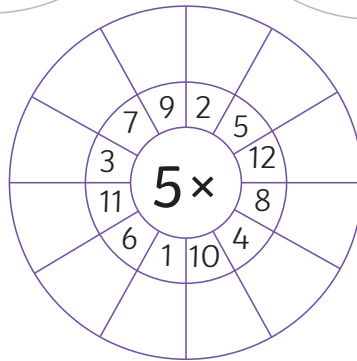
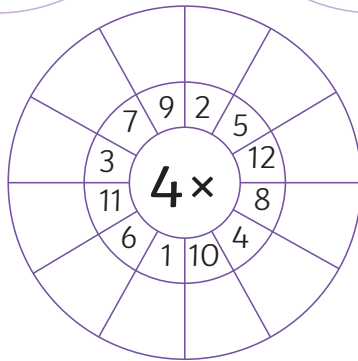
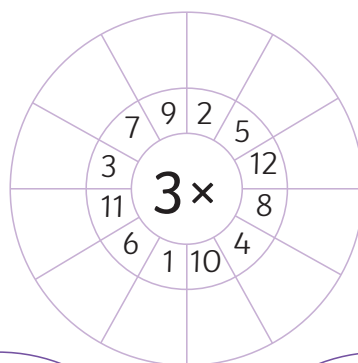
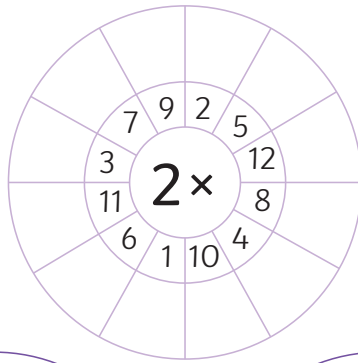
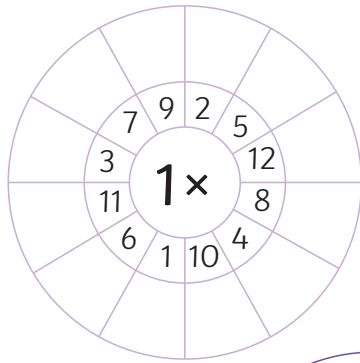
12. _____ 24, 36, _____ 84, 96, _____ 120, _____



Multiplication Wheels



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

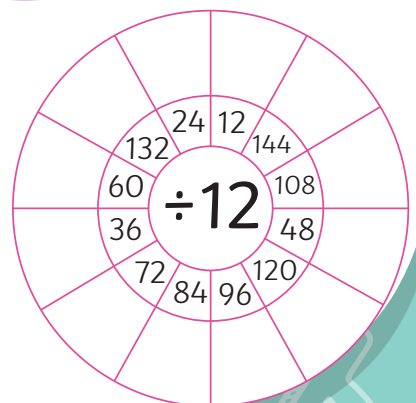
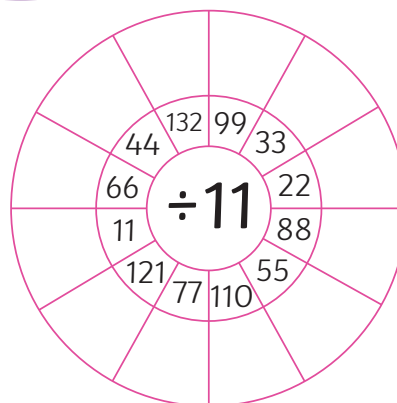
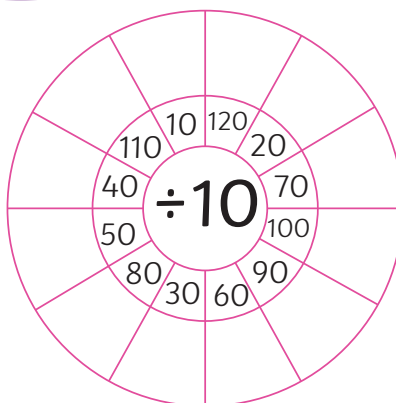
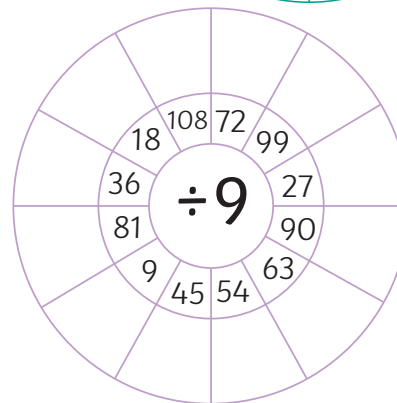
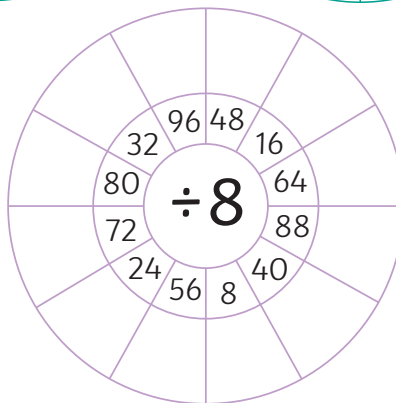
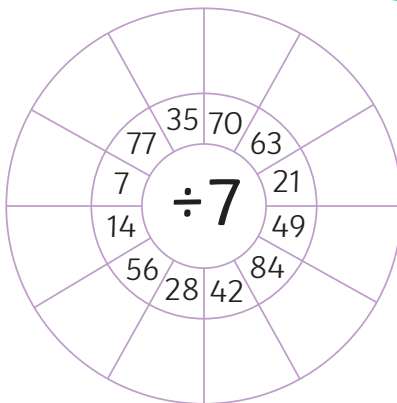
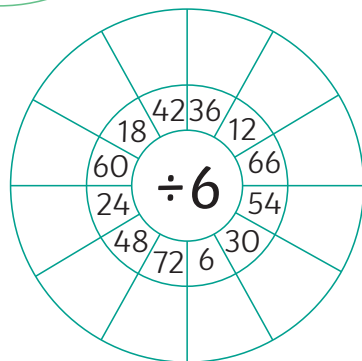
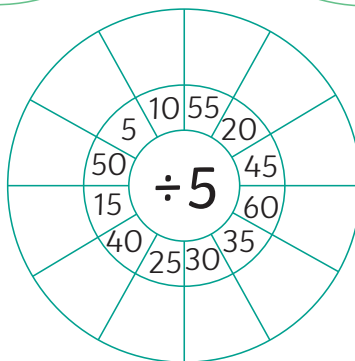
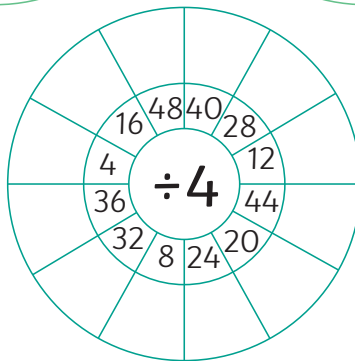
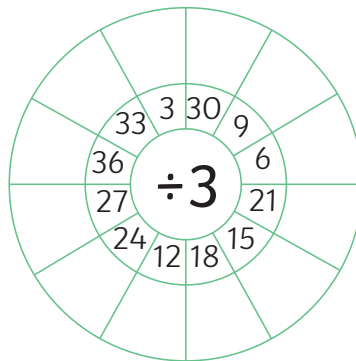
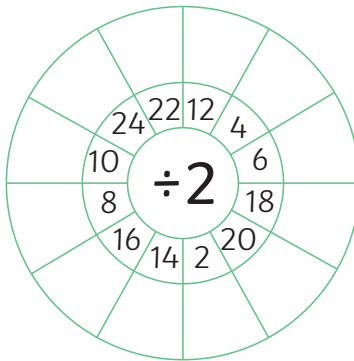
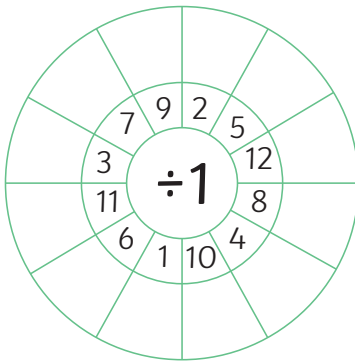




Division Wheels

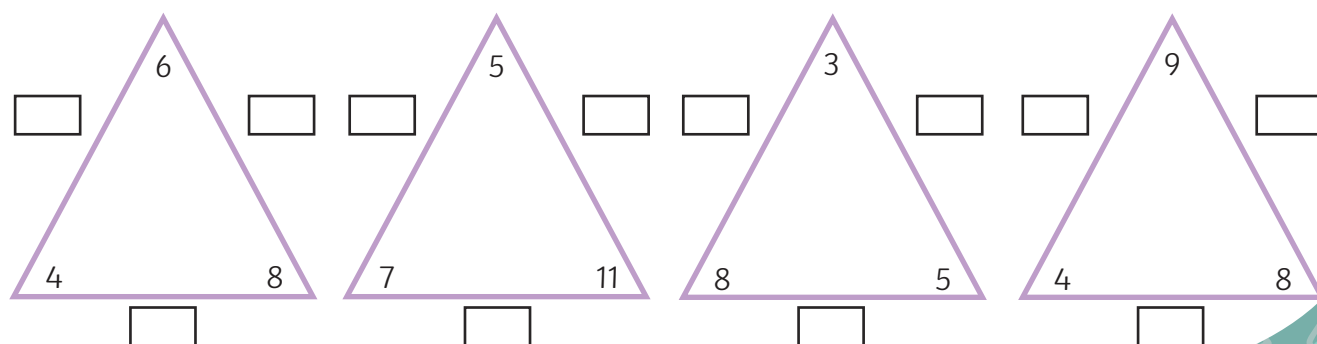
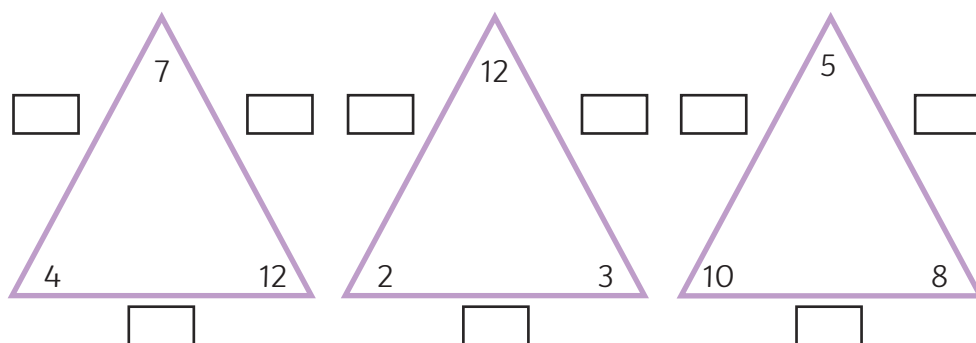
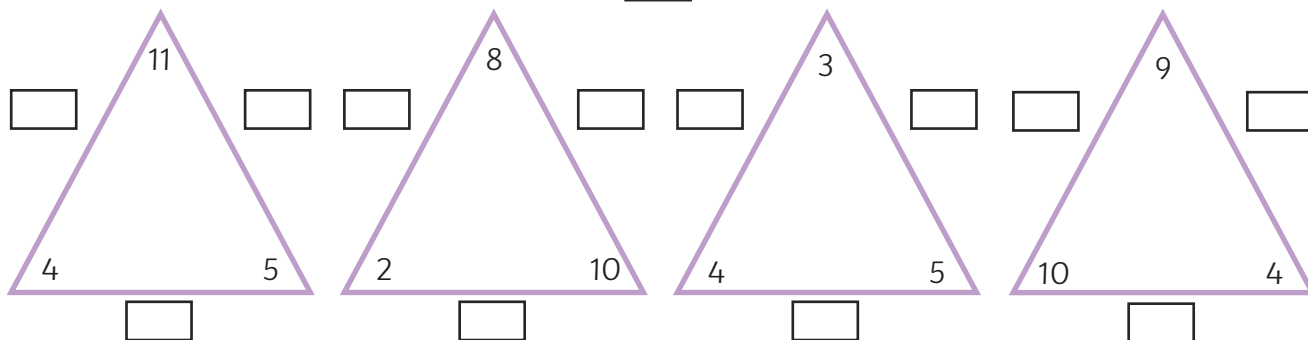
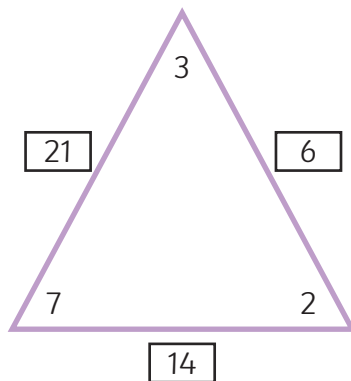


Divide the numbers on each wheel by the middle number.
Write your answers in the outer wheel.



X The Mystery of the Maths Pyramids X

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.





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.



$$3 \times 4 = 12$$

$$12 \div 4 = 3$$





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. $2 \times \text{☆} = 8$
2. $5 \times 9 = \text{☆}$
3. $\text{☆} \times 7 = 56$
4. $9 \times \text{☆} = 63$
5. $12 \times \text{☆} = 24$
6. $\text{☆} \times 4 = 20$
7. $2 \times 9 = \text{☆}$
8. $\text{☆} \times 6 = 18$
9. $\text{☆} \times 4 = 36$
10. $11 \times \text{☆} = 55$
11. $\text{☆} \times 8 = 72$
12. $8 \times 6 = \text{☆}$
13. $12 \times \text{☆} = 12$
14. $\text{☆} \times 3 = 27$
15. $4 \times \text{☆} = 32$
16. $\text{☆} \times 4 = 44$
17. $5 \times \text{☆} = 15$
18. $\text{☆} \times 5 = 30$
19. $8 \times \text{☆} = 88$
20. $\text{☆} \times 12 = 60$

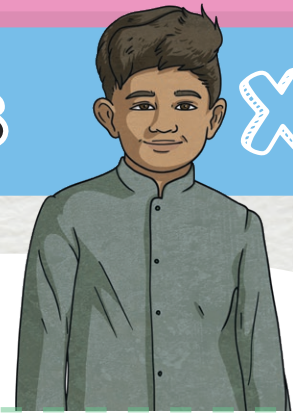
Wendy the Witch did a multiplication, but she made both numbers disappear. Calculate the missing numbers in the calculation below. How many different solutions can you find?

$$\text{☆} \times \text{☆} = 24$$





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?

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?

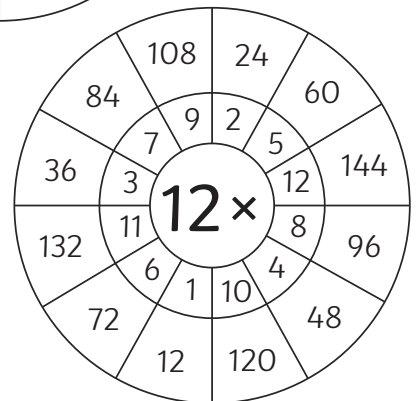
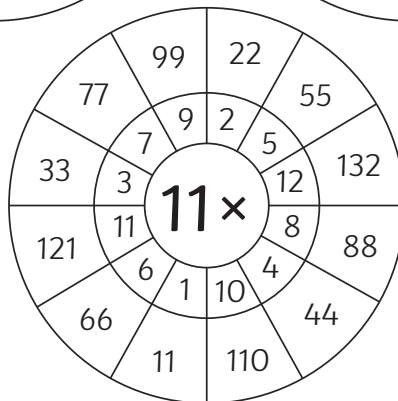
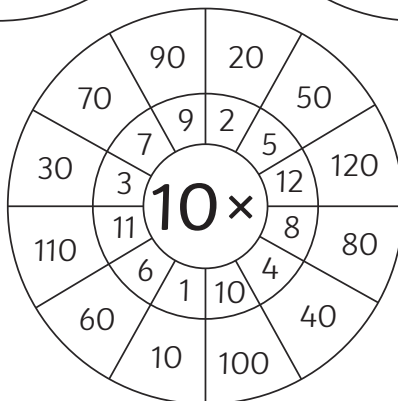
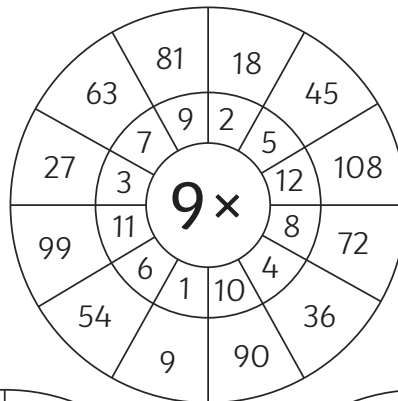
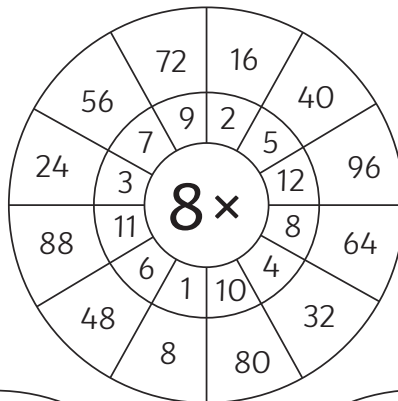
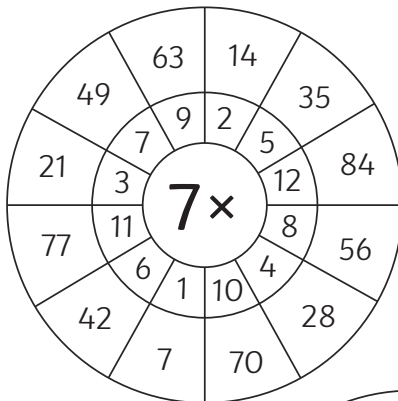
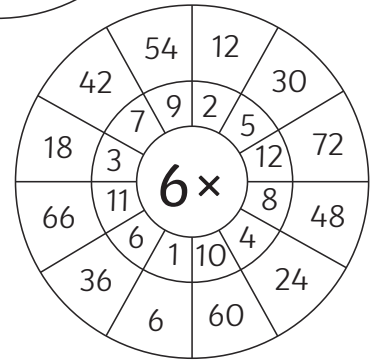
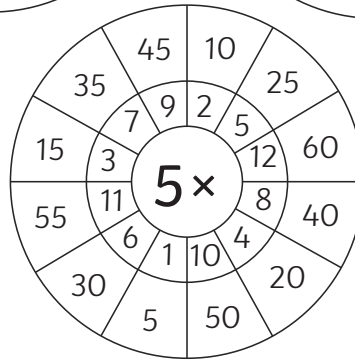
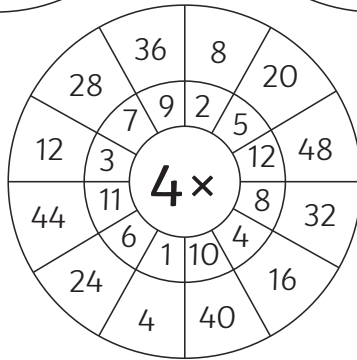
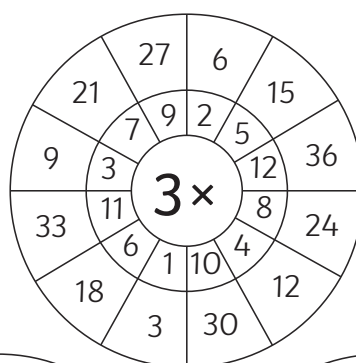
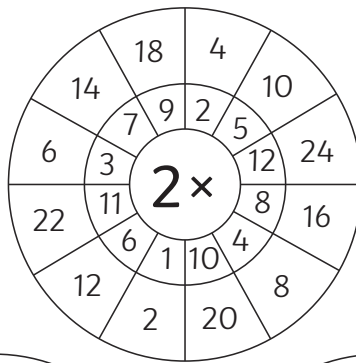
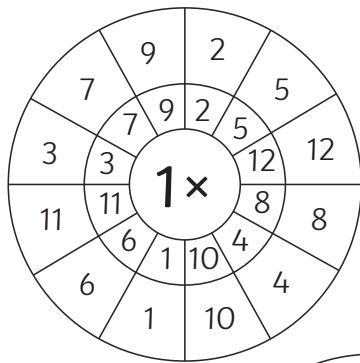
7. Mr Rodríguez buys 6 pizzas. Each pizza costs £4. What is the total cost of all the pizzas?



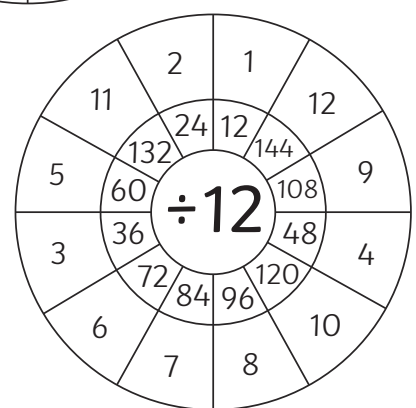
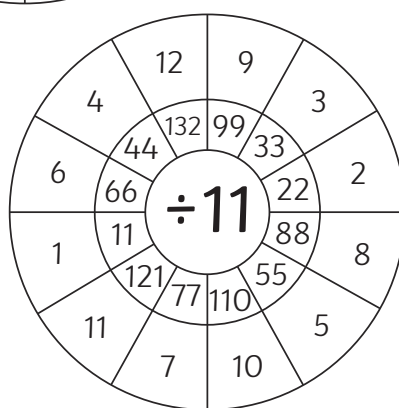
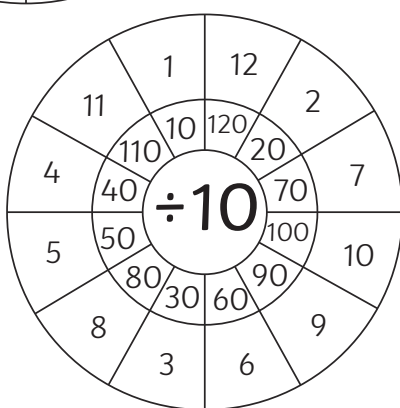
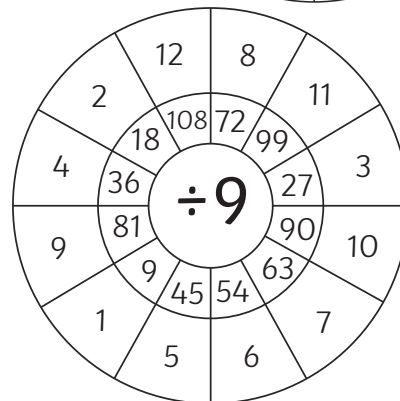
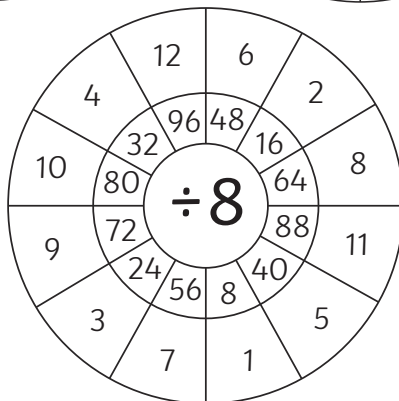
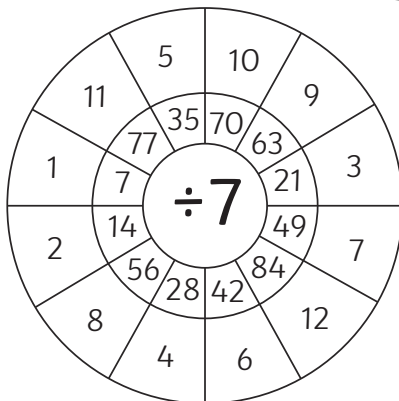
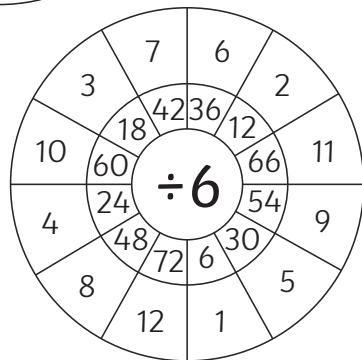
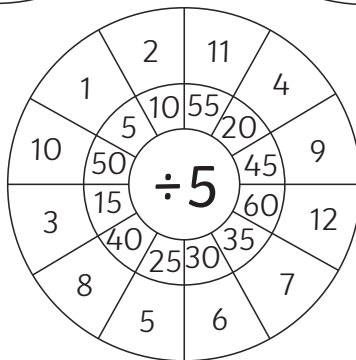
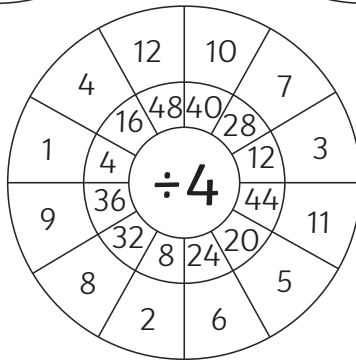
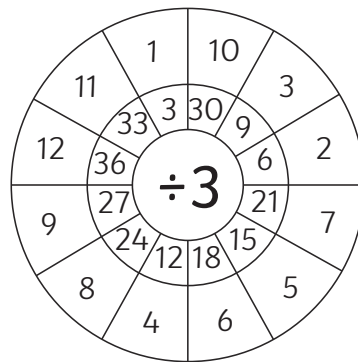
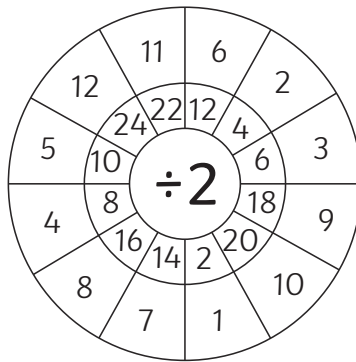
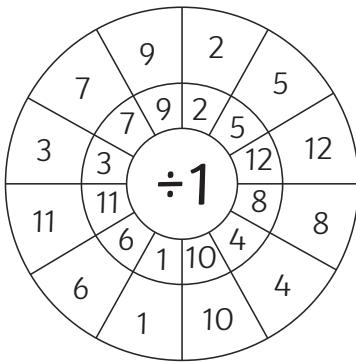
Crack the Code: Answers

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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

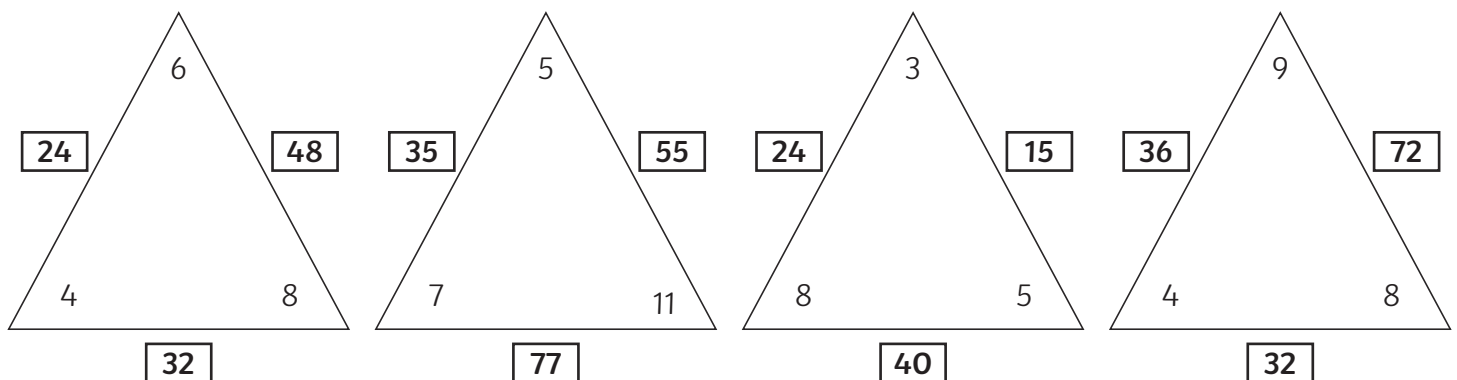
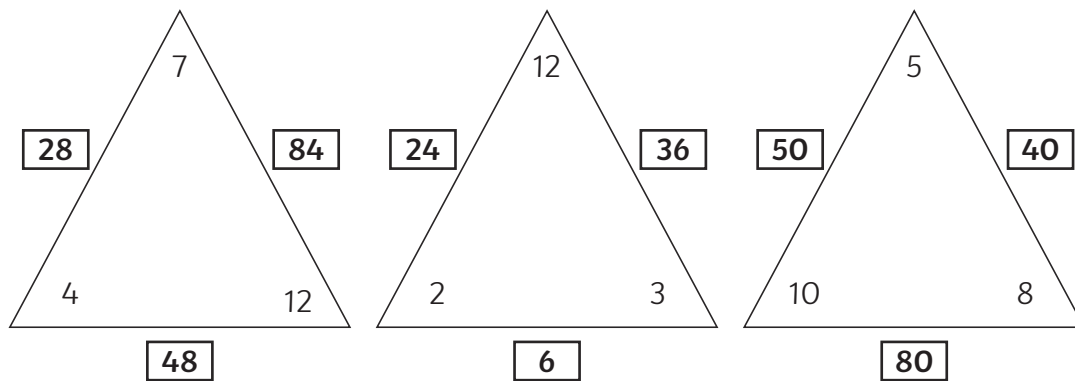
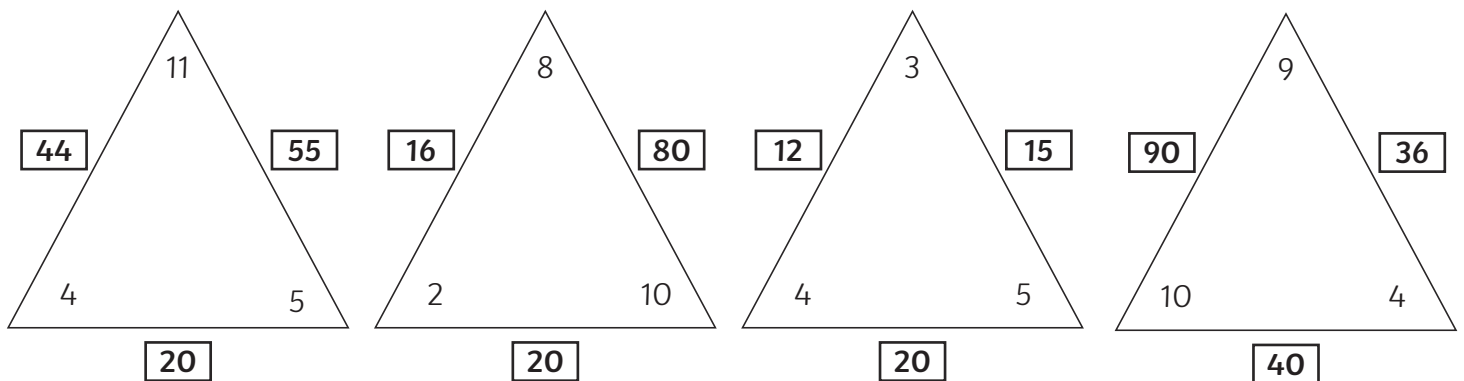
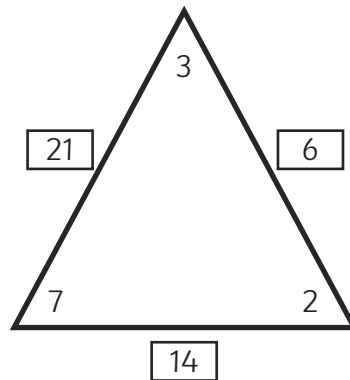
Multiplication Wheels: **Answers**



Division Wheels: Answers



The Mystery of the Maths Pyramids: Answers



Ray's Arrays: Answers

$4 \times 5 = 20 \text{ or } 5 \times 4 = 20$

$20 \div 5 = 4 \text{ or } 20 \div 4 = 5$

$2 \times 8 = 16 \text{ or } 8 \times 2 = 16$

$16 \div 8 = 2 \text{ or } 16 \div 2 = 8$

$6 \times 7 = 42 \text{ or } 7 \times 6 = 42$

$42 \div 6 = 7 \text{ or } 42 \div 7 = 6$

$3 \times 9 = 27 \text{ or } 9 \times 3 = 27$

$27 \div 3 = 9 \text{ or } 27 \div 9 = 3$

$11 \times 4 = 44 \text{ or } 4 \times 11 = 44$

$44 \div 11 = 4 \text{ or } 44 \div 4 = 11$

Times Tables Missing Numbers: Answers

1. $2 \times 4 = 8$
2. $5 \times 9 = 45$
3. $8 \times 7 = 56$
4. $9 \times 7 = 63$
5. $12 \times 2 = 24$
6. $5 \times 4 = 20$
7. $2 \times 9 = 18$
8. $3 \times 6 = 18$
9. $9 \times 4 = 36$
10. $11 \times 5 = 55$
11. $9 \times 8 = 72$
12. $8 \times 6 = 48$
13. $12 \times 1 = 12$
14. $9 \times 3 = 27$
15. $4 \times 8 = 32$
16. $11 \times 4 = 44$
17. $5 \times 3 = 15$
18. $6 \times 5 = 30$
19. $8 \times 11 = 88$
20. $5 \times 12 = 60$

$\times \quad = 24$

$1 \times 24 = 24$

$2 \times 12 = 24$

$3 \times 8 = 24$

$4 \times 6 = 24$

Raj's Word Problems: **Answers**

1. $8 \times 7 = 56$ - Raj has 56 pencils.
2. $21 \div 3 = 7$ - Mrs Mercer's children get 7 sweets each.
3. $10 \times 12 = 120$ - Raj has bought 120 fish fingers.
4. $4 \times 5 = 20$ - Chelsey works for 20 hours each week.
5. $11 \times 7 = 77$ - Bob buys 77 mints each week.
6. $84 \div 7 = 12$ - Raj needs 12 boxes.
7. $6 \times 4 = 24$ - The pizza cost £24.