Year 6 Mathematics Challenge

Hello, Year 6! We think that you'll really enjoy Mathematics at Thomas Telford School, so here are a few challenges which you can try before you join us.

MATHEMATICS CHALLENGES

10 minute challenge
Set a timer and see how many questions you can complete in 10 minutes. Do you think you can do all 100? (Questions attached).

Tarsia jigsaw
Can you cut out each triangle and arrange the pieces from all three sheets to make one giant hexagon, where every question is matched to its correct answer? (Triangular cards attached).
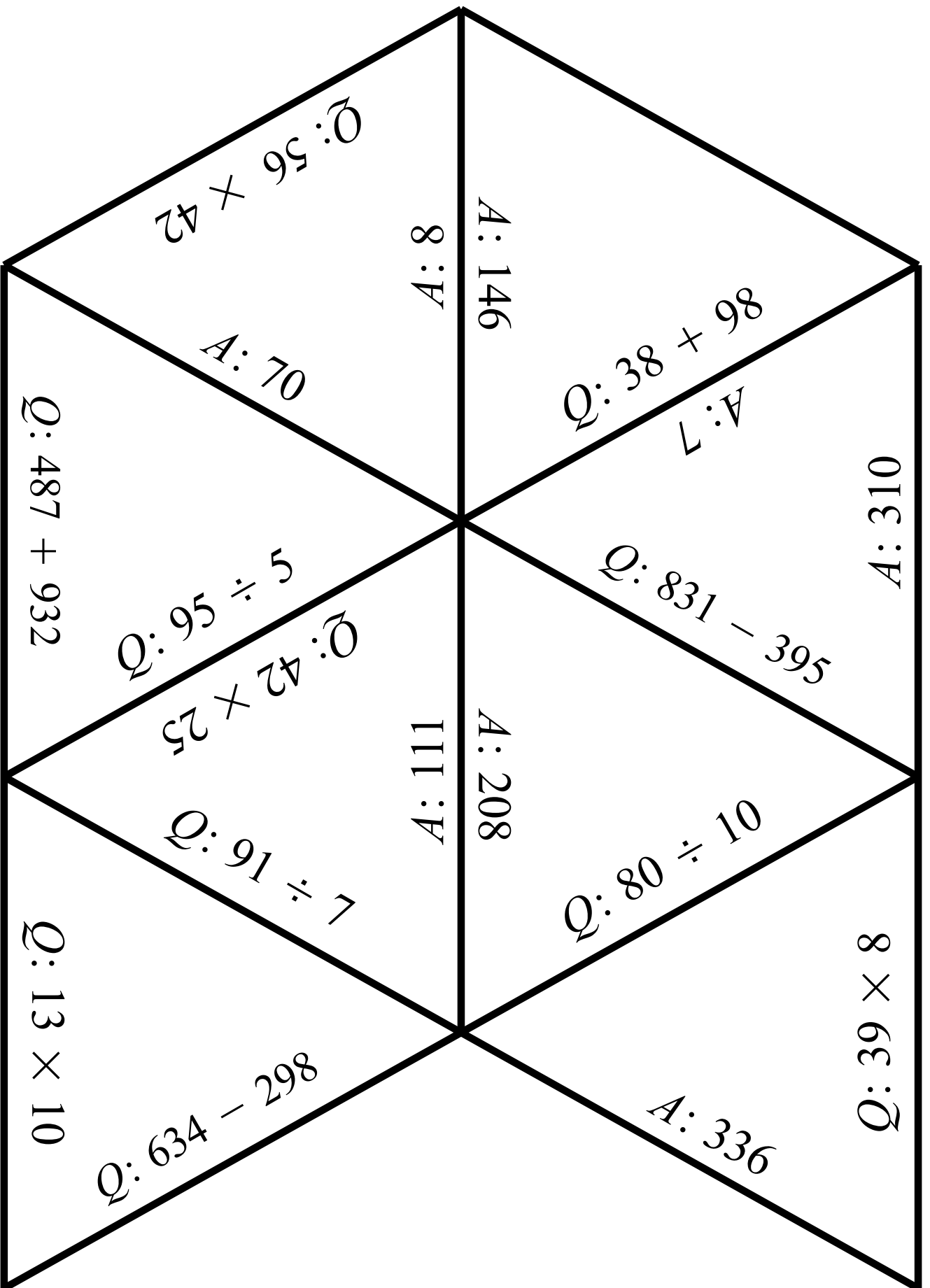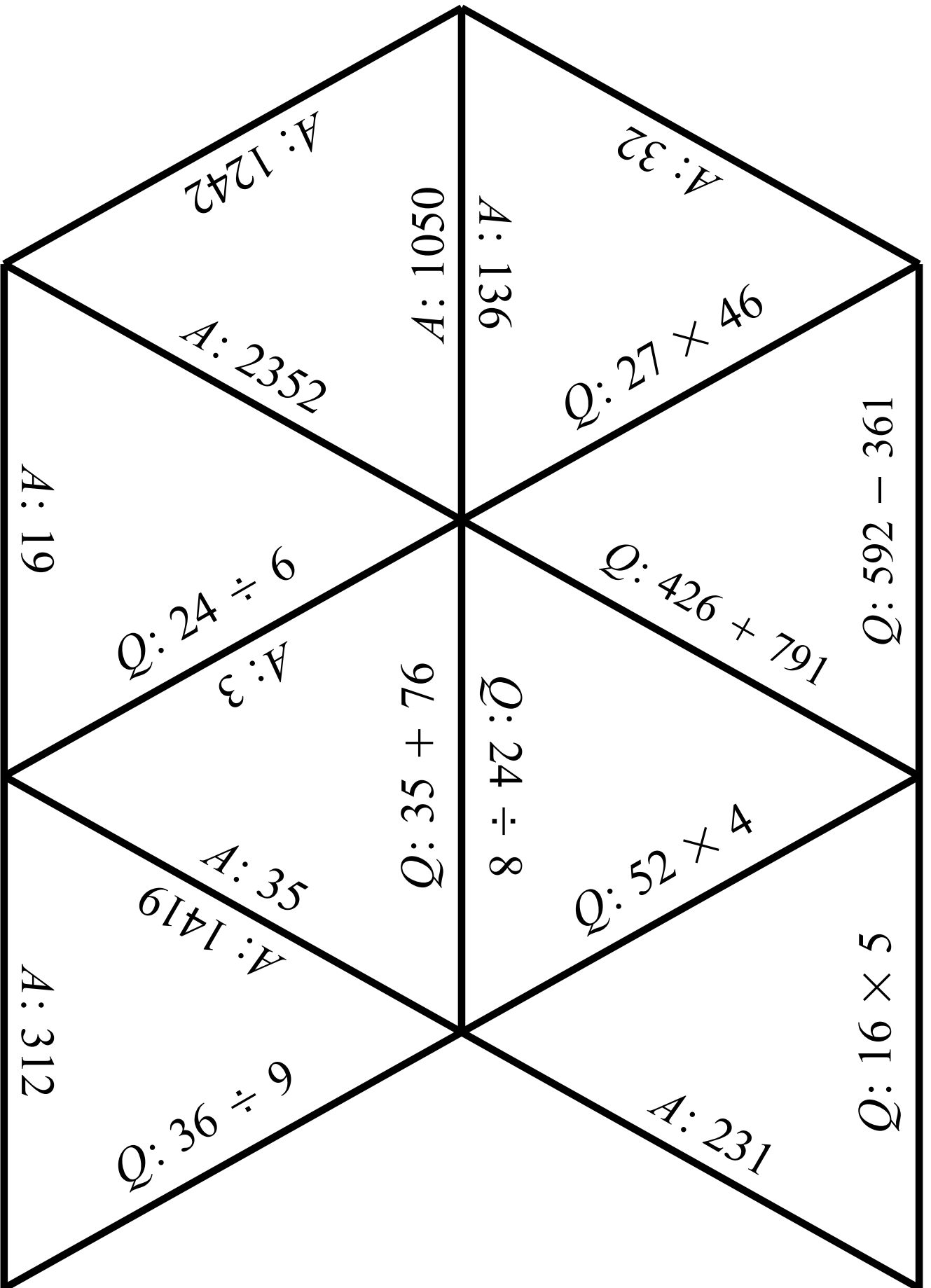
24 game
Look at each wheel of numbers. Can you add, subtract, multiply and divide using these four numbers to make 24? All four numbers must be used once and can't be repeated.
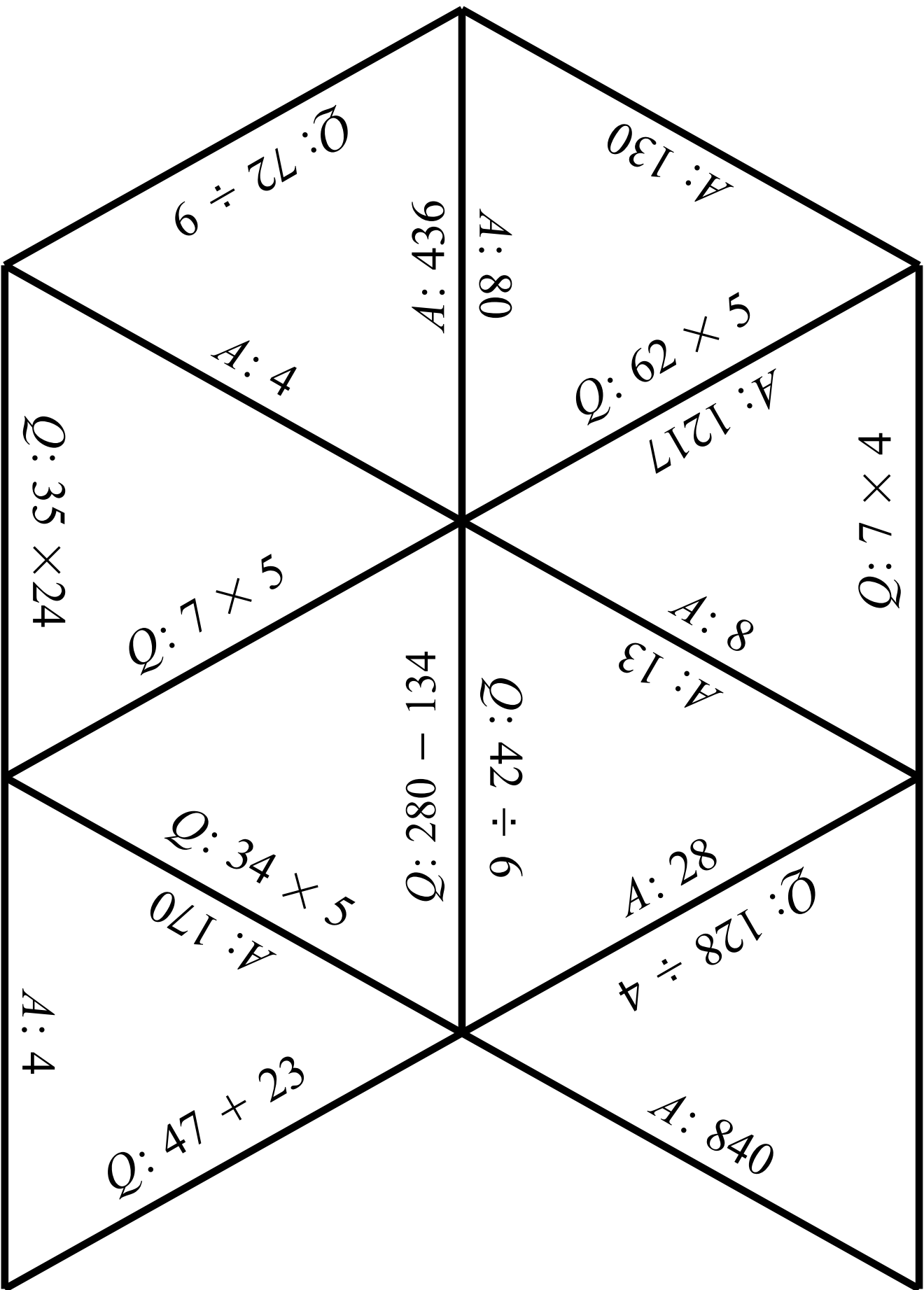
We look forward to meeting you and hearing about how you found the challenges!

1. $7 \times 5 =$	**26.** $81 \div 9 =$	**51.** $12 \times 4 =$	**76.** $45 \div 9 =$
2. $3 \times 11 =$	**27.** $6 \div 1 =$	**52.** $2 \times 12 =$	**77.** $45 \div 5 =$
3. $5 \times 5 =$	**28.** $45 \div 9 =$	**53.** $0 \times 7 =$	**78.** $12 \div 6 =$
4. $0 \times 1 =$	**29.** $24 \div 4 =$	**54.** $7 \times 6 =$	**79.** $4 \div 4 =$
5. $10 \times 5 =$	**30.** $55 \div 5 =$	**55.** $12 \times 11 =$	**80.** $3 \div 3 =$
6. $6 \times 3 =$	**31.** $21 \div 3 =$	**56.** $4 \times 8 =$	**81.** $0 \div 11 =$
7. $7 \times 4 =$	**32.** $21 \div 7 =$	**57.** $7 \times 6 =$	**82.** $55 \div 5 =$
8. $7 \times 4 =$	**33.** $110 \div 10 =$	**58.** $0 \times 7 =$	**83.** $35 \div 7 =$
9. $10 \times 0 =$	**34.** $16 \div 4 =$	**59.** $9 \times 2 =$	**84.** $22 \div 2 =$
10. $2 \times 10 =$	**35.** $28 \div 7 =$	**60.** $3 \times 2 =$	**85.** $0 \div 11 =$
11. $8 \times 0 =$	**36.** $60 \div 10 =$	**61.** $6 \times 8 =$	**86.** $132 \div 12 =$
12. $4 \times 5 =$	**37.** $25 \div 5 =$	**62.** $12 \times 5 =$	**87.** $63 \div 9 =$
13. $11 \times 8 =$	**38.** $28 \div 7 =$	**63.** $2 \times 4 =$	**88.** $15 \div 3 =$
14. $7 \times 4 =$	**39.** $110 \div 10 =$	**64.** $9 \times 9 =$	**89.** $24 \div 12 =$
15. $7 \times 8 =$	**40.** $22 \div 2 =$	**65.** $10 \times 0 =$	**90.** $33 \div 11 =$
16. $6 \times 6 =$	**41.** $35 \div 5 =$	**66.** $12 \times 12 =$	**91.** $90 \div 9 =$
17. $11 \times 9 =$	**42.** $0 \div 3 =$	**67.** $1 \times 7 =$	**92.** $7 \div 7 =$
18. $1 \times 1 =$	**43.** $80 \div 10 =$	**68.** $6 \times 9 =$	**93.** $21 \div 7 =$
19. $0 \times 3 =$	**44.** $0 \div 3 =$	**69.** $11 \times 0 =$	**94.** $55 \div 5 =$
20. $3 \times 0 =$	**45.** $15 \div 3 =$	**70.** $9 \times 3 =$	**95.** $0 \div 2 =$
21. $11 \times 3 =$	**46.** $9 \div 1 =$	**71.** $11 \times 3 =$	**96.** $96 \div 12 =$
22. $2 \times 4 =$	**47.** $0 \div 6 =$	**72.** $8 \times 7 =$	**97.** $16 \div 4 =$
23. $3 \times 1 =$	**48.** $48 \div 6 =$	**73.** $11 \times 11 =$	**98.** $6 \div 1 =$
24. $6 \times 11 =$	**49.** $30 \div 6 =$	**74.** $8 \times 0 =$	**99.** $60 \div 10 =$
25. $0 \times 10 =$	**50.** $72 \div 6 =$	**75.** $8 \times 3 =$	**100.** $4 \div 1 =$

Q: 56 × 42

A: 8

A: 146

A: 70

Q: 38 + 98

A: 7

Q: 487 + 932

Q: 95 ÷ 5

A: 310

Q: 831 − 395

Q: 42 × 25

A: 111

A: 208

Q: 91 ÷ 7

Q: 80 ÷ 10

Q: 13 × 10

Q: 634 − 298

A: 336

Q: 39 × 8

A: 1242

A: 32

A: 1050

A: 136

A: 2352

Q: 27 × 46

A: 19

Q: 24 ÷ 6

Q: 592 − 361

Q: 426 + 791

A: 3

Q: 35 + 76

Q: 24 ÷ 8

A: 35

Q: 52 × 4

A: 1419

A: 312

Q: 36 ÷ 9

Q: 16 × 5

A: 231

Q: 72 ÷ 9

A: 130

A: 436

A: 80

Q: 62 × 5

A: 4

A: 1217

Q: 7 × 4

Q: 35 × 24

Q: 7 × 5

A: 8

A: 13

Q: 280 − 134

Q: 42 ÷ 6

Q: 34 × 5

A: 28

A: 170

Q: 128 ÷ 4

A: 4

Q: 47 + 23

A: 840

24 GAME

6 1 9 2

1 1 8 4

4 8 8 2

1 5 9 1

3 5 4 5

9 3 9 6

4 4 8 8

9 5 5 1