

Multiply & divide decimals by 10, 100, 1000 (set 2)

Cut out the calculation cards, digit cards, place value grid and the 4 game boards. Pupils can use the digit cards and place value grid as necessary to calculate or check the answers.

First to five (up to 4 players)

Each player takes a game board. Shuffle the calculation cards and place them face down in a pile. On their turn, a pupil may take a card from the top of the pile and put it on top of the correct answer on their board. If they don't have the correct answer, they place the card face up on a discard pile. The turn then passes to the next player. On their turn, players may choose to take the top card from the discard pile instead of drawing a card. The first player to cover 5 numbers on their board is the winner.

Higher or lower (up to 4 players)

Shuffle the calculation cards and deal ten cards out, face down, in a row front of each player. The first player turns over the card at the left end of their row. They calculate the answer and then say whether they think the answer to the next card will have a higher or lower answer. They turn over the next card, work out the calculation and if they guessed correctly continue to guess and turn cards until they are wrong. Play then passes to the next player. The first person to turn over all their cards is the winner.

Bingo (up to 5 players)

One player is the caller, the other players all choose a board. The caller picks a card and reads the calculation. Anyone with the answer on their card can cover it with a counter. The first person to cover a row of four wins. Rows may be horizontal, vertical or diagonal.

Digit cards

1	2	3	4	5	6	7
8	9	0	0	0	0	0
1	2	3	4	5	6	7
8	9	0	0	0	0	0

Place value board

Tens	Units	Tenths	Hundredths	Thousandths

Bingo Cards

1.2	0.045	7.03	59
0.54	3.7	86	0.037
0.816	0.21	45	0.86
73	61.8	0.307	6.8

5.9	0.045	0.021	81.6
30.7	12	0.703	0.68
0.37	8.6	6.18	45
68	0.054	0.12	7.3

0.618	0.86	7.03	37
2.1	81.6	0.095	0.59
0.068	54	0.12	6.8
3.07	0.073	86	4.5

8.16	0.086	5.9	68
3.7	54	0.73	0.618
0.059	21	3.07	5.4
0.45	70.3	37	0.012

Calculation cards

1.2×10	0.012×100	$12 \div 100$	$1.2 \div 100$
0.021×1000	$21 \div 10$	$21 \div 100$	$0.21 \div 10$
0.37×100	0.37×10	0.037×10	$37 \div 1000$
0.73×100	0.73×10	$7.3 \div 10$	$0.73 \div 10$
0.054×1000	0.054×100	$5.4 \div 10$	$54 \div 1000$
4.5×10	$45 \div 10$	0.045×10	$4.5 \div 100$
0.086×1000	0.86×10	$86 \div 100$	$8.6 \div 100$
6.8×10	$68 \div 10$	$6.8 \div 10$	$0.68 \div 10$
0.59×100	0.059×100	0.059×10	$59 \div 1000$
3.07×10	0.307×10	$3.07 \div 10$	$6.18 \div 10$
0.703×100	$70.3 \div 10$	$70.3 \div 100$	6.18×10
8.16×10	$81.6 \div 10$	$81.6 \div 100$	$61.8 \div 10$