

Multiply and divide whole numbers by 10, 100, 1000

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.

Collect the cards 1 (up to 4 players)

The aim of this game is to collect 4 cards each with a different number of digits: eg 43, 340, 5800 and 79000. Spread out the calculation cards in a pool face down. On their turn, a player chooses a card, showing the other players, works out the answer and decides whether to keep the card face up in front of them or return it to pool face down. Play then passes to the next player. The winner is the first to collect all 4 cards.

Optional rule: Players can attempt to stop others completing their sets keeping unwanted cards face down instead of returning them to pool. Players may own no more than 5 cards at the end of their turn. They may swap a face down card for one they have picked if they need to lose a card before their turn ends.

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

Ten Thousands	Thousands	Hundreds	Tens	Units

Bingo Cards

790	304	97	340
20	9,070	4,030	7,900
85,000	85	1,200	70,900
970	43,000	21,000	58

403	120	58,000	200
34	907	58	79
8,500	2,100	4,300	79,000
70,900	12,000	97	3,040

12	85,000	7,900	430
970	580	907	30,400
4,030	21	2,000	7,090
97,000	34,000	43	85

40,300	120	34	79
850	90,700	7,900	3,400
709	43	5,800	9,700
20,000	97,000	304	210

Calculation cards

$12,000 \div 1,000$	12×10	12×100	$12 \times 1,000$
$2,100 \div 100$	$2,100 \div 10$	$21,000 \div 10$	210×100
$340 \div 10$	$34,000 \div 100$	340×10	$3,400 \times 10$
$43,000 \div 1,000$	43×10	43×100	$43 \times 1,000$
$580 \div 10$	$5,800 \div 10$	$58,000 \div 10$	580×100
$8,500 \div 100$	$85,000 \div 100$	850×10	$8,500 \times 10$
$79,000 \div 1,000$	79×10	79×100	$79 \times 1,000$
$970 \div 10$	$9,700 \div 10$	$97,000 \div 10$	970×100
$4,030 \div 10$	$40,300 \div 10$	403×100	$7,090 \div 10$
$30,400 \div 100$	304×10	304×100	709×10
$9,070 \div 10$	$90,700 \div 10$	907×100	709×100
$2,000 \div 100$	$20,000 \div 100$	20×100	200×100