

Shuttle: Solving Equations

You are **pair A**. Pair A has questions 1 and 3, pair B has questions 2 and 4. Question 1 stands alone. Every question after it has a pink box: write in the number the other pair passes you, then solve. No talking between pairs. Only the number gets passed. Finish the round and check question 4 with the teacher.

Round 1

Q1

Solve $4x + 7 = 39$

Answer _____

Pass your answer to pair B

Q2

Pair B has this question.

Q3

Solve $2x + \boxed{} = 5x - 6$

Write pair B's answer to question 2 in the pink box.

Answer _____

Pass your answer to pair B

Q4

Pair B has this question.

Round 2

Q1

Solve $5(2x - 3) = 45$

Answer _____

Pass your answer to pair B

Q2

Pair B has this question.

Q3

Solve $\boxed{} - 2x = 4$

Write pair B's answer to question 2 in the pink box.

Answer _____

Pass your answer to pair B

Q4

Pair B has this question.

Round 3

Q1

I think of a number, multiply it by 3 and then subtract 8.
The answer is 19. What is my number?

Answer _____

Pass your answer to pair B

Q2

Pair B has this question.

Q3

A rectangle is $(x + \boxed{})$ cm long and 5 cm wide.
Its perimeter is 50 cm.
Find x.

Write pair B's answer to question 2 in the pink box.

Answer _____

Pass your answer to pair B

Q4

Pair B has this question.

Shuttle: Solving Equations

You are **pair B**. Pair A has questions 1 and 3, pair B has questions 2 and 4. Question 1 stands alone. Every question after it has a pink box: write in the number the other pair passes you, then solve. No talking between pairs. Only the number gets passed. Finish the round and check question 4 with the teacher.

Round 1

Q1

Pair A has this question.

Q2

Solve $3(x - \boxed{}) = 21$

Write pair A's answer to question 1 in the pink box.

Answer _____

Pass your answer to pair A

Q3

Pair A has this question.

Q4

Solve $\frac{x + \boxed{}}{3} = 6$

Write pair A's answer to question 3 in the pink box.

Answer _____

Hand your answer to the teacher

Round 2

Q1

Pair A has this question.

Q2

Solve $\frac{x}{\boxed{}} + 4 = 9$

Write pair A's answer to question 1 in the pink box.

Answer _____

Pass your answer to pair A

Q3

Pair A has this question.

Q4

Solve $\boxed{}x - 20 = 6x + 15$

Write pair A's answer to question 3 in the pink box.

Answer _____

Hand your answer to the teacher

Round 3

Q1

Pair A has this question.

Q2

Solve $7x - \boxed{} = 4x + 15$

Write pair A's answer to question 1 in the pink box.

Answer _____

Pass your answer to pair A

Q3

Pair A has this question.

Q4

Solve $\frac{3x - \boxed{}}{4} = 2x - 8$

Write pair A's answer to question 3 in the pink box.

Answer _____

Hand your answer to the teacher