

Shuttle: Solving Equations

ANSWERS

Teacher copy. Every answer, and which pair holds which question.

Round 1

Q1

Solve $4x + 7 = 39$

Answer 8

Pass your answer to pair B

Q2

Solve $3(x - 8) = 21$

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

Answer 15

Pass your answer to pair A

Q3

Solve $2x + 15 = 5x - 6$

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

Answer 7

Pass your answer to pair B

Q4

Solve $\frac{x + 7}{3} = 6$

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

Answer 11

Hand your answer to the teacher

Round 2

Q1

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

Answer 6

Pass your answer to pair B

Q2

Solve $\frac{x}{6} + 4 = 9$

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

Answer 30

Pass your answer to pair A

Q3

Solve $30 - 2x = 4$

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

Answer 13

Pass your answer to pair B

Q4

Solve $13x - 20 = 6x + 15$

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

Answer 5

Hand your answer to the teacher

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 9

Pass your answer to pair B

Q2

Solve $7x - 9 = 4x + 15$

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

Answer 8

Pass your answer to pair A

Q3

A rectangle is $(x + 8)$ 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 12

Pass your answer to pair B

Q4

Solve $\frac{3x - 12}{4} = 2x - 8$

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

Answer 4

Hand your answer to the teacher

The Maths Habit