Write Two-Step Equations — Student practice

Name: _____ Class: _____

Directions: Define variables where needed. Write equations and explain your reasoning.

Question 1

One-half of n increased by 3 equals −5.

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Question 2

A taxi costs $3.50 per mile plus a $5 booking fee; the bill is $26.

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Question 3

Six boxes cost b dollars each, minus one $7 coupon. Total: $53.

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Question 4

Four sandwiches, each reduced by $1 from price s, cost $24 in total.

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Question 5

Two and a half times x, decreased by 3, equals 12.

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Group reasoning

Four identical items have original price p dollars each; every item is discounted $2. Shipping is $5 and the bill is $41. Write two equivalent equations and explain why they agree.

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Additional practice — if time allows

A store buys eight identical folders, each reduced by $0.75 from its marked price f. The total after a $4 shipping fee is $54.

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Exit ticket — work independently

Three notebooks cost n dollars each. A one-time $2 coupon applies to the order, followed by $8 shipping. The final bill is $39. Write an equation; do not solve.

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Confidence check

☐ I can explain my reasoning.

☐ I need another example.