

Grade 7 find the mistake task cards

NAME	DATE	SCORE / 8
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Cut out the cards. Write each answer on the recording sheet.

CARD 1 Cleo takes out the greatest common factor of $42x + 48$ and writes $6(7x + 8)$. Is Cleo right? ☐ Yes, Cleo is right ☐ No, it is $6(7x + 48)$ ☐ No, it is $2(21x + 24)$	CARD 2 Cleo solves $4x + 2 = 34$ and gets $x = 128$. Is Cleo right? ☐ No, $x = 9$ ☐ Yes, Cleo is right ☐ No, $x = 8$
CARD 3 Ben says $17 - (-4)^2 = 33$. Find Ben's mistake. What is the correct value of $17 - (-4)^2$?	CARD 4 1 inch is 2.54 centimetres. A pencil is 13 centimetres long. Ivy says the pencil is 33.02 inches long, because $13 \times 2.54 = 33.02$. How long is the pencil, in inches, to the nearest tenth?
CARD 5 Ivy writes $-9(3n - 11)$ without parentheses as $-27n + 99$. Is Ivy right? ☐ Yes, Ivy is right ☐ No, it is $-27n - 99$ ☐ No, it is $-27n - 11$	CARD 6 Ana guesses that a jar holds 368 beans. The jar really holds 400 beans. Ben divides 32 by 368 and says the percent error is about 8.7%. What is the percent error of the guess?
CARD 7 A jacket cost \$292. Then the price went down 25%. Maya says the new price is \$267, because $292 - 25 = 267$. What is the new price of the jacket, in dollars?	CARD 8 The bill for a meal is \$44. Cleo's family leaves a 20% tip. Maya says the total paid is \$64, because $\\$44 + \\$20 = \\$64$. What is the total paid, with the tip, in dollars?

Recording sheet

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Write the answer for each card in its box.

CARD 1	CARD 2
CARD 3	CARD 4
CARD 5	CARD 6
CARD 7	CARD 8

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1	Yes, Cleo is right	2	No, $x = 8$	3	1
4	5.1	5	Yes, Ivy is right	6	8
7	219	8	52.80		