Grade 7 find the mistake task cards

NAME	DATE	SCORE / 8

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

NAME	DATE	SCORE / 8

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		