

Grade 7 find the mistake

NAME	DATE	SCORE / 8
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Check each answer. If it is wrong, find the mistake.

- 1** Ben measures a rock's mass as 629 grams. The rock's mass is really 740 grams. Cleo divides 111 by 629 and says the percent error is about 17.6%. What is the percent error of the measurement?

- 3** The list shows how many goals each team scored: 7, 7, 9, 11, 1. The mean is 7. Ana adds up each value minus the mean, gets 0, and says the mean absolute deviation is 0. What is the mean absolute deviation of the data?

- 5** Dev writes $-2(7x - 1)$ without parentheses as $-14x + 2$. Is Dev right?
- ☐ No, it is $-14x - 2$
☐ Yes, Dev is right
 ☐ No, it is $-14x - 1$

- 7** A club had 40 members. The number of members grew by 5%. Noah says the club now has 45 members, because $40 + 5 = 45$. How many members does the club have now?

- 2** Ben says $-1.08 + (-7.19) = 8.27$. Is Ben right?
- ☐ Yes: the answer is 8.27
 ☐ No: the answer is -8.27
☐ No: the answer is -6.11

- 4** Leo walks at 4 miles per hour. Ben says Leo takes 1.5 minutes to walk 6 miles, because $6 \div 4 = 1.5$. How many minutes does Leo take to walk 6 miles?

- 6** Dev says $-\frac{5}{8} \times (-\frac{3}{10}) = -\frac{3}{16}$. Is Dev right?
- ☐ Yes: the answer is $-\frac{3}{16}$
☐ No: the answer is $\frac{3}{16}$
☐ No: the answer is $\frac{25}{12}$

- 8** The bill for a meal is \$85. Leo's family leaves a 20% tip. Dev says the total paid is \$105, because $\$85 + \$20 = \$105$. What is the total paid, with the tip, in dollars?

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1	15	2	No: the answer is -8.27	3	2.4
4	90	5	Yes, Dev is right	6	No: the answer is $\frac{3}{16}$
7	42	8	102		