

Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

### 3.5 Independent Practice

COMMON CORE

7.NS.2, 7.NS.2b, 7.NS.2c



Personal Math Trainer

Online Assessment and Intervention

13.  $\frac{5}{-2} =$  \_\_\_\_\_

14.  $5\frac{1}{3} \div (-1\frac{1}{2}) =$  \_\_\_\_\_

15.  $\frac{-120}{-6} =$  \_\_\_\_\_

16.  $\frac{-\frac{4}{5}}{-\frac{2}{3}} =$  \_\_\_\_\_

17.  $1.03 \div (-10.3) =$  \_\_\_\_\_

18.  $\frac{-0.4}{80} =$  \_\_\_\_\_

19.  $1 \div \frac{9}{5} =$  \_\_\_\_\_

20.  $\frac{-\frac{1}{4}}{\frac{23}{24}} =$  \_\_\_\_\_

21.  $\frac{-10.35}{-23} =$  \_\_\_\_\_

22. Alex usually runs for 21 hours a week, training for a marathon. If he is unable to run for 3 days, describe how to find out how many hours of training time he loses, and write the appropriate integer to describe how it affects his time.

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23. The running back for the Bulldogs football team carried the ball 9 times for a total loss of  $15\frac{3}{4}$  yards. Find the average change in field position on each run.

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24. The 6:00 a.m. temperatures for four consecutive days in the town of Lincoln were  $-12.1^\circ\text{C}$ ,  $-7.8^\circ\text{C}$ ,  $-14.3^\circ\text{C}$ , and  $-7.2^\circ\text{C}$ . What was the average 6:00 a.m. temperature for the four days?

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25. **Multistep** A seafood restaurant claims an increase of \$1,750.00 over its average profit during a week where it introduced a special of baked clams.

a. If this is true, how much extra profit did it receive per day?

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b. If it had, instead, lost \$150 per day, how much money would it have lost for the week?

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c. If its total loss was \$490 for the week, what was its average daily change?

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26. A hot air balloon descended 99.6 meters in 12 seconds. What was the balloon's average rate of descent in meters per second?

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