

Grade 6 daily math review

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DAY 1

Answer each question.

1 Ana measures the height of each bean plant in a garden with a ruler. Which unit could the data be recorded in? ☐ Centimeters ☐ Degrees Fahrenheit ☐ Pounds ☐ Seconds	2 A triangle has an area of 104 square centimeters. The base of the triangle is 16 centimeters. What is the perpendicular height, in centimeters, of the triangle?
3 A train goes 132 miles in 1.5 hours. What is the train's speed, in miles per hour?	4 Emma pours $\frac{1}{2}$ liter of juice equally into 7 cups. Which calculation finds how much juice, in liters, is in each cup? ☐ $\frac{1}{2} \div 7$ ☐ $7 \div \frac{1}{2}$ ☐ $7 - \frac{1}{2}$ ☐ $\frac{1}{2} \times 7$
5 $\frac{5}{9} + \frac{1}{2} = ?$ Give the answer in lowest terms.	6 Write "7 more than a number n".

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DAY 2 Answer each question.

7 Leo's bank balance is $-\$3$. What does that balance mean?

- ☐ Leo owes \$3
 ☐ Leo has \$3

9 The point $(2, 5)$ is reflected across the y -axis. What are the coordinates of the image of the point?

11 60 is multiplied by $\frac{1}{4}$. Is the result greater than, less than, or the same as 60?

- ☐ Greater
 ☐ Less
 ☐ The same

8 These numbers are in order: 13, 13, 14, 18, 21, 22, 26, 26, 26, 30, 33, 33. What is the lower quartile of these numbers?

10 Write $2(7n + 8)$ without parentheses.

12 A rectangular prism is 3 m by 5 m by 2 m. What is the volume, in cubic meters, of the prism?

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DAY 3

Answer each question.

13

Write $9y + 7x + 1 + 3x$ with like terms collected.

14

A library has 40 shelves, with about 60 books on each shelf. To the nearest power of ten, about how many books are in the library?

15

The point $(-6, 1)$ is reflected across the y -axis. What are the coordinates of the image of the point?

16

The double number line below shows cups of flour on the top line and cookies on the bottom line. How many cookies does point A show?

0

1

2

3

4

5

6

0

60

17

$0.499 = \frac{4}{10} + \frac{9}{100} + \square$

18

The rule is: multiply the input by 5, then add 3. Write the missing outputs in the table, in order:

Input: 1, 2, 6, 8, 9, 10

Output: 8, $\square$, $\square$, $\square$, $\square$, $\square$

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1	Centimeters	2	13	3	88
4	$\frac{1}{2} \div 7$	5	$\frac{19}{18}$	6	$n+7$
7	Leo owes \$3	8	16	9	$(-2, 5)$
10	$14n + 16$	11	Less	12	30
13	$10x+9y+1$	14	10^3	15	$(6, 1)$
16	10	17	$\frac{9}{1000}$	18	13, 33, 43, 48, 53
19	216	20	138	21	C
22	7	23	256, 1024	24	No. 85 hundredths is more than 805 thousandths.
25	$4 \times \frac{1}{3}$	26	20	27	8
28	$81x + 81$	29	6	30	Even chance