

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?

☐

Centimetres

☐

Degrees Celsius

☐

Kilograms

☐

Seconds

2

A triangle has an area of 104 square centimetres. The base of the triangle is 16 centimetres.

What is the perpendicular height, in centimetres, of the triangle?

3

A train goes 132 kilometres in 1.5 hours. What is the train's speed, in kilometres per hour?

4

Emma pours $\frac{1}{2}$ litre of juice equally into 7 cups. Which calculation finds how much juice, in litres, 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 metres, of the prism?

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DAY 3

- 13

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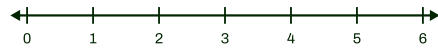
- 14

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- 15

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- 16



- 17

- 18

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

Output: 8, $\frac{1}{2}$, $\frac{1}{2}$, $\frac{1}{2}$, $\frac{1}{2}$, $\frac{1}{2}$

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DAY 4

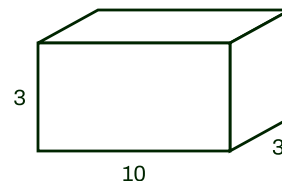
Answer each question.

19

$6^3 = ?$

20

Lengths on the prism below are in metres.
What is the surface area, in square metres, of the prism?



21

Four points are plotted on the number line below. Write the letter of the point that shows -0.3 .



22

What is the mean (average) of 3, 4, 10, 11?

23

Write the next two numbers in this pattern.

1, 4, 16, 64, $\square$, $\square$

24

Do 0.805 and 0.85 name the same number, and why?

- ☐ No. 85 hundredths is more than 805 thousandths.
- ☐ No. 0.805 is larger, because it has more digits.
- ☐ Yes. 85 hundredths is the same as 850 thousandths.
- ☐ Yes. A zero does not change the value of a number.

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DAY 5 Answer each question.

- 25** Each bag holds $\frac{1}{3}$ kilogram of nuts. Which calculation finds how many kilograms of nuts 4 bags hold?

☐ $\frac{1}{3} \div 4$
☐ $4 \times \frac{1}{3}$
☐ $4 + \frac{1}{3}$
☐ $4 \div \frac{1}{3}$

- 27** What is the distance, in units, between the points (1, 5) and (9, 5) on a coordinate plane?

- 29** A rectangular board is 4 m long and $1\frac{1}{2}$ m wide. What is the area, in square metres, of the board?

- 26** Which is the best estimate of 5% of 399?

☐ 300
 ☐ 2
 ☐ 20
 ☐ 80

- 28** Write $9(9x + 9)$ without parentheses.

- 30** On a chance scale from 0 to 1, an event is at $\frac{1}{2}$. Which words describe the event?

☐ Impossible
 ☐ Even chance
 ☐ Certain

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1	Centimetres	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