



Easter Math Practice — Grade 7 (Set 1) — Answer Key

Seasonal Easter Edition | Easter-themed worksheet

???? Integer Thaw

Add, subtract, multiply, and divide integers.

1. Calculate: $(-6) + (4)$

A) -3

B) -2 [CORRECT]

C) -1

D) 0

2. Calculate: $(-6) \div (-6)$

A) -1

B) 0 [CORRECT]

C) 1

D) 2

3. Calculate: $(-6) \times (-6)$

A) 35

B) 36 [CORRECT]

C) 37

D) -36

4. Which is greater: ?3 or ?7?

A) ?7

B) ?3 [CORRECT]

C) Equal

D) Cannot compare

5. Order from least to greatest: 2, ?5, 0, ?1, 3

A) ?5, ?1, 0, 2, 3 [CORRECT]

B) 3, 2, 0, ?1, ?5

C) ?1, ?5, 0, 2, 3

D) 0, ?1, ?5, 2, 3



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6. The temperature at midnight on Easter was -3°C . By noon it rose 8°C . What was the noon temperature? Show your work on a number line.

Answer: Answers depend on random values. Add the rise to the starting negative temperature.

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? Proportional Egg Gathering

Use ratios and proportions to solve problems.

7. The ratio of cats to dogs is 3:5. There are 40 animals total. How many cats?

A) 12

B) 15 [CORRECT]

C) 18

D) 24

8. If 6 oranges cost \$35, what is the cost of 1 orange?

A) \$5.33

B) \$5.83 [CORRECT]

C) \$6.33

D) \$6.83

9. A map scale is 1 cm : 5 km. Two cities are 8 cm apart on the map. Actual distance?

A) 13 km

B) 40 km [CORRECT]

C) 45 km

D) 80 km

10. Solve: $x/4 = 7$

A) $x = 11$

B) $x = 28$ [CORRECT]

C) $x = 3$

D) $x = 1.75$

11. An Easter hunt map has scale 1:200. Two egg stations are 15 cm apart on the map. What is the real distance in metres?

Answer: $15 \times 200 = 3000 \text{ cm} = 30 \text{ m}$.



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? Geometry Garden

Area of composite shapes, angle relationships.

12. Two supplementary angles add to:

- A) 90°
- B) 180° [CORRECT]**
- C) 270°
- D) 360°

13. A circle has radius 10 cm. Its circumference is approximately: (use $\pi \approx 3.14$)

- A) 61
- B) 62.8 [CORRECT]**
- C) 65
- D) 314

14. The area of a circle with radius 10 cm is approximately:

- A) 309
- B) 314 [CORRECT]**
- C) 319
- D) 62.8

15. Angles on a straight line sum to:

- A) 90°
- B) 180° [CORRECT]**
- C) 270°
- D) 360°

16. An L-shaped room can be split into two rectangles: $8\text{m} \times 5\text{m}$ and $4\text{m} \times 3\text{m}$. Find the total area.

Answer: $8 \times 5 + 4 \times 3 = 40 + 12 = 52 \text{ m}^2$.



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? Growth Chart: Spring Data

Write equations from patterns. Plot points.

17. A pattern starts at 5 and adds 3 each time. Write the rule.

A) $n + 5$

B) $3n + 2$ [CORRECT]

C) $3n + 5$

D) $5n + 3$

18. From the table: $x=1 \Rightarrow y=4$, $x=2 \Rightarrow y=7$, $x=3 \Rightarrow y=10$. Rule?

A) $y = 3x$

B) $y = 3x + 1$ [CORRECT]

C) $y = x + 3$

D) $y = 4x$

19. If $y = 2x + 3$, what is y when $x = 5$?

A) 3

B) 5

C) 7 [CORRECT]

D) 13

20. A line passes through (0, 4). What is the y-intercept?

A) 0

B) 4 [CORRECT]

C) 4

D) Unknown

21. Complete the table for $y = 3x + 1$: $x = 0, 1, 2, 3, 4$. Plot the points and describe the pattern.

Answer: $y = 1, 4, 7, 10, 13$. The points form a straight line rising by 3 for every 1 increase in x .



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? Easter Probability Games

Calculate probability and interpret data displays.

22. Two dice are rolled. $P(\text{sum} = 7) = ?$

- A) $1/6$
- B) $1/12$
- C) $5/36$

D) $6/36$ [CORRECT]

23. A spinner has: 40% blue, 35% red, 25% green. In 200 spins, expected blue landings?

- A) 40
- B) 60
- C) 80 [CORRECT]**
- D) 100

24. The IQR of $\{3, 5, 7, 9, 11, 13, 15\}$ is:

- A) 4
- B) 6
- C) 8 [CORRECT]**
- D) 10

25. Which measure is most affected by outliers?

- A) Mean [CORRECT]**
- B) Median
- C) Mode
- D) Range

26. Design a fair game using Easter eggs. Explain why each player has an equal chance of winning.

Answer: Answers vary. Look for: clear definition of fair/equal chance or distinction between calculated vs. observed probability, with a concrete example.



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