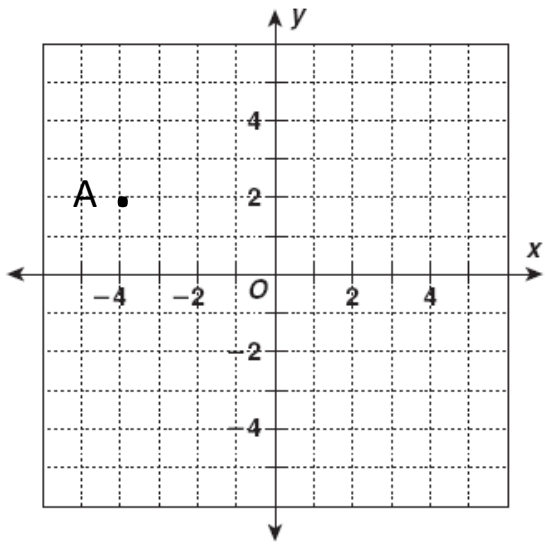


CHAPTER 6 **Cumulative Practice Test-Part 1**
Sixth Grade

1. What is the value of:
 $4^2 + 4^3$

* * * * *

2. Identify the quadrant of point A.



Quadrant _____

* * * * *

3. Evaluate $2 + 3(6 - 3)^2 - 3$
Show your work below to prove your answer.

4. Find the prime factorization of 324. Hint: Use a factor tree.

324= _____

* * * * *

5. Find the greatest common divisor of 24, 45, and 90.

24: _____

45: _____

90: _____

GCD: _____

* * * * *

6. Find the least common multiple of 5, 6, and 20.

5: _____

6: _____

20: _____

LCM: _____

7. One inch is about 2.54 cm. A cell phone is 7.62 cm long. How many inches long is the cell phone?
Show your work below.
Put units on your answer.

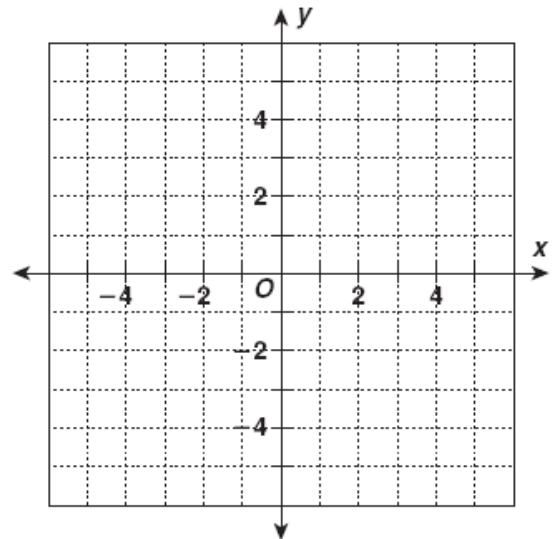
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8. Solve.
Show all steps below:
 $x - 16 = 22$

* * * * *

9. Find the sum of $-5 + 17 + (-11)$
Show your work below.

10. Start at the origin. Give coordinates of the point 4 units right and 3 units down. Use the coordinate plane below to plot the point.
 Coordinates: _____



* * * * *

11. A submarine rose from a depth of 305 feet to a depth of 45 feet. What is the difference in these depths?
Show your work below.

12. The three angles of a triangle add up to 180° . If two angles are 17° and 94° , what is the measure of the third angle?
Show your work below.

* * * * *

13. Write $\frac{32}{6}$ as a mixed number:
Show your work below.

* * * * *

14. Write -0.125 as a fraction in simplest form.

15. Divide:
Show your work below:

$$7 \div 2\frac{2}{3}$$

* * * * *

16. Sally is learning a new song on the piano. It takes 1.7 hours to learn the top hand and 2.8 hours to learn the bottom hand notes. What is the total time to learn the song?
Show your work below.

17. Multiply:
11.9 • 7.23

19. It took 5.4 hours for Jim to drive 297 miles. What was his average speed for the trip?

* * * * *

18. A dinner bill of \$37.02 is split three ways. How much does each person pay?

* * * * *

20. Solve the equation.
Show all steps below.

$$-3.2h = 8$$