

Pre-Algebra Review

1. Simplify the expression.

$$\frac{3}{4}x - 5 - \frac{3}{8}x - 2 = 1 \quad \boxed{}$$

Correct answers:

$$1 \quad \frac{3}{8}x - 7$$

Grade 7 Accel: MRL CC>Chapter 3>3.1-3.2 Quiz> Question #2

2. Find the sum.

$$\left(\frac{3}{8}x - 2\right) + \left(\frac{1}{8}x - 5\right) = 1 \quad \boxed{}$$

Correct answers:

$$1 \quad \frac{1}{2}x - 7$$

Grade 7 Accel: MRL CC>Chapter 3>3.1-3.2 Quiz> Question #4

3. Find the difference.

$$\left(\frac{2}{7}x - 6\right) - \left(\frac{1}{7}x - 5\right) = 1 \quad \boxed{}$$

Correct answers:

$$1 \quad \frac{1}{7}x - 1$$

Grade 7 Accel: MRL CC>Chapter 3>3.1-3.2 Quiz> Question #5

4. Solve $d + \frac{2}{5} = 9$.

$d = 1$

Correct answers:

1 $\frac{43}{5}$

Grade 7 Accel: MRL CC>Chapter 4>Practice Test> Question #1

5. Solve $14 = \frac{h}{5}$.

$h = 1$

Correct answers:

1 70

Grade 7 Accel: MRL CC>Chapter 4>Practice Test> Question #2

6. Solve $-\frac{2}{3}p = 20$.

$p = 1$

Correct answers:

1 -30

Grade 7 Accel: MRL CC>Chapter 4>Practice Test> Question #3

7. Solve $\frac{x}{25} - \frac{4}{5} = -\frac{4}{5}$.

The solution is $x = 1$.

Correct answers:

1 0

Grade 7 Accel: MRL CC>Chapter 4>Practice Test> Question #4

8. Write the percent as a decimal.

15% = 1

Correct answers:

1 0.15

Grade 7 Accel: MRL CC>Chapter 6>Practice Test> Question #1

9. Write the decimal as a percent.

0.34 = 1 %

Correct answers:

1 34

Grade 7 Accel: MRL CC>Chapter 6>Practice Test> Question #2

10. Write $\frac{3}{4}$ as a percent.

$$\frac{3}{4} = 1 \text{ } \boxed{}\%$$

Correct answers:

1 75

Grade 7 Accel: MRL CC>Chapter 6>Practice Test> Question #3

11. What percent of 75 is 36?

$$1 \text{ } \boxed{}\% \text{ of } 75 \text{ is } 36.$$

Correct answers:

1 48

Grade 7 Accel: MRL CC>Chapter 6>Practice Test> Question #4

12. What number is 86% of 50?

$$1 \text{ } \boxed{} \text{ is } 86\% \text{ of } 50.$$

Correct answers:

1 43

Grade 7 Accel: MRL CC>Chapter 6>Practice Test> Question #5

13. 25% of what number is 39?

25% of 1 is 39.

Correct answers:

1 156

Grade 7 Accel: MRL CC>Chapter 6>Practice Test> Question #6

14. 36.1 is what percent of 95?

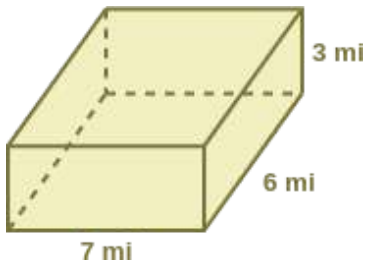
36.1 is 1 % of 95.

Correct answers:

1 38

Grade 7 Accel: MRL CC>Chapter 6>Practice Test> Question #7

15. Find the surface area of the prism.



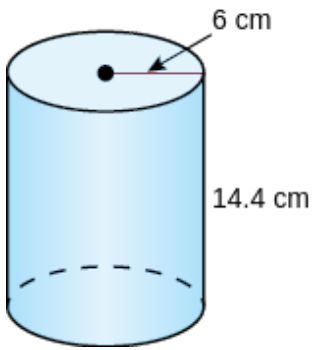
$S = 1$ mi^2

Correct answers:

1 162

Grade 7 Accel: MRL CC>Chapter 10>Practice Test> Question #1

16. Find the surface area of the cylinder. Round your answer to the nearest tenth.



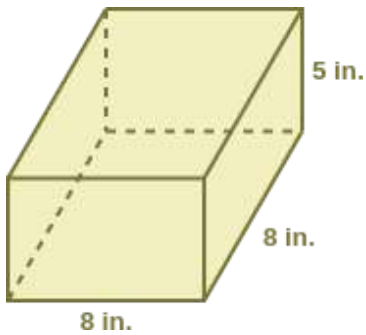
$S \approx 1 \text{ } \boxed{} \text{ cm}^2$

Correct answers:

1 769.1

Grade 7 Accel: MRL CC>Chapter 10>Practice Test> Question #3

17. Find the volume of the prism.



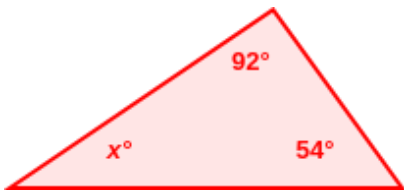
$V = 1 \text{ } \boxed{} \text{ in.}^3$

Correct answers:

1 320

Grade 7 Accel: MRL CC>Chapter 10>Practice Test> Question #6

18. Find the value of x .



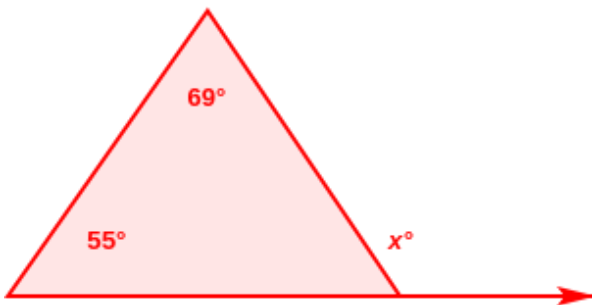
$x =$ 1

Correct answers:

1 34

Grade 7 Accel: MRL CC>Chapter 12>Practice Test> Question #3

19. Find the value of x .



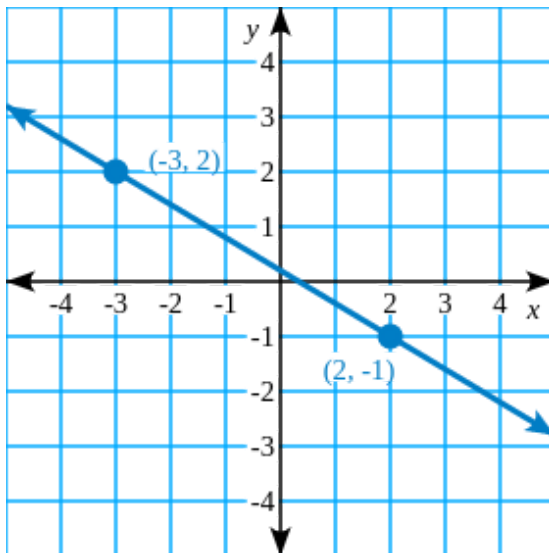
$x =$ 1

Correct answers:

1 124

Grade 7 Accel: MRL CC>Chapter 12>Practice Test> Question #4

20. What is the slope of the line?



☐ $\frac{3}{5}$

☒ $-\frac{3}{5}$

☐ $-\frac{5}{3}$

☐ $\frac{5}{3}$

