

Answer Key for 5th to 6th Summer Review

End-of-Year Review

Test Prep

Multiple Choice

Shade the circle next to the correct answer.

1. C
2. A
3. B
4. D
5. D
6. A
7. A
8. C
9. D
10. C
11. B
12. B
13. A
14. D

Short Answer

*There are multiple ways to solve a problem. These are sample solutions.

15.)

$$\begin{aligned} 3\frac{3}{5} \times \frac{7}{9} &= \frac{18}{5} \times \frac{7}{9} \\ &= \frac{14}{5} \\ &= 2\frac{4}{5} \text{ ft}^2 \end{aligned}$$

$$\underline{2\frac{4}{5} \text{ ft}^2}$$

16.)

$$\frac{2}{3} \times 9 = 6$$

$$6 - 1 = 5$$

5

17.)



18.)

- a. What is the difference in length between the longest leaf and the shortest leaf?

$$\begin{aligned} \frac{3}{4} - \frac{1}{6} &= \frac{9}{12} - \frac{2}{12} \\ &= \frac{7}{12} \text{ ft} \end{aligned}$$

$\frac{7}{12}$ ft

- b. How many more of the long leaves are there than short leaves?

$$7 - 2 = 5$$

5

19.)

$$\begin{aligned} \text{Volume} &= 225 \times 18 \\ &= 4,050 \text{ cm}^3 \end{aligned}$$

4,050 cm³

20.)

$$30 \times 15 \times 5 = 2,250$$

$$18 \times 15 \times 5 = 1,350$$

$$2,250 + 1,350 = 3,600 \text{ cm}^3$$

$$\underline{3,600 \text{ cm}^3}$$

21.)



$$\$179.50 - (4 \times \$9) = \$143.50$$

$$\$143.50 \div 5 = \$28.70$$

$$\underline{\$28.70}$$

22.)

$$\underline{15 \text{ in.}^3}$$

23.)

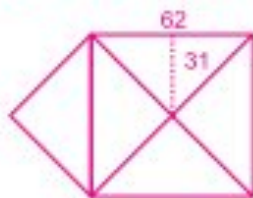
a.) 35 dollars

b.) 10 feet

24.)

$$248 \div 4 = 62$$

$$62 \times 62 = 3,844$$



$$\frac{1}{2} \times 62 \times 31 = 961$$

$$3,844 + 961 = 4,805 \text{ in.}^2$$

$$\underline{4,805 \text{ in.}^2}$$

25.)

$$\underline{12.325 = 12 + 0.3 + 0.02 + 0.005}$$

26.)

$$B = 1,000$$

27.)

$$\underline{11.00, 11.009, 11.05, 11.10}$$

28.)

$$\$21 \div 3 = \$7$$

$$5 \times \$7 = \$35$$

$$\$35 - \$21 = \$14$$

$$\underline{\$14}$$

29.)

Basketball

30.)

$$20 - 12 = 8$$

$$\underline{8}$$

31.)

2 gal

32.)

$$4 \times 3 = 12$$

$$\underline{12}$$

33.)

$$\text{Total cost of books} = 50 - x$$

$$\text{Cost of one book} = \frac{50 - x}{10}$$

$$\underline{\frac{50 - x}{10} \text{ dollars}}$$

34.)

12

35.)

5.25

Since $\frac{1}{5} = \frac{4}{20}$ so $\frac{4}{20} + \frac{1}{20} = \frac{5}{20} = \frac{1}{4} = 0.25$

And $3 + 2 = 5$

Extended Response

36.)

$$100\% - 48\% = 52\%$$

$$\begin{aligned} 52\% \text{ of } 450 &= \frac{52}{100} \times 450 \\ &= 234 \end{aligned}$$

234 seats are not occupied.

37.)

$$\$0.84 \times 20 = \$16.80$$

$$\$1.02 \times 7 = \$7.14$$

$$\$16.80 + \$7.14 = \$23.94$$

He spends \$23.94 in total.

38.)



$$8 \text{ units} \rightarrow \$90$$

$$1 \text{ unit} \rightarrow \$11.25$$

$$3 \text{ units} \rightarrow \$33.75$$

She saves \$33.75.

39.)

$$15 \times 12 \times 8 = 1,440$$

$$\frac{1}{2} \times 1,440 = 720$$

$$10 \times 20 \times 6 = 1,200$$

$$\frac{720}{1,200} = \frac{3}{5}$$

$\frac{3}{5}$ of tank Q is filled with water.

40.)

- a. How long is the driveway if a total of 25 pots, including pots at both ends, are to be placed along it?

$$25 - 1 = 24$$

$$24 \times 12 = 288 \text{ feet}$$

The driveway is 288 feet long.

- b. If the driveway is 1,080 feet, how many more flower pots are needed?

$$1,080 \div 12 = 90$$

$$90 + 1 = 91$$

$$91 - 25 = 66$$

66 more flower pots are needed.

41.)

$$\frac{1}{2} \times 15 \times 25 \times 20 = 3,750$$

$$10 \times 10 \times 10 = 1,000$$

$$3,750 - 1,000 = 2,750 \text{ cm}^3$$

2,750 cubic centimeters of water is left in the rectangular tank.

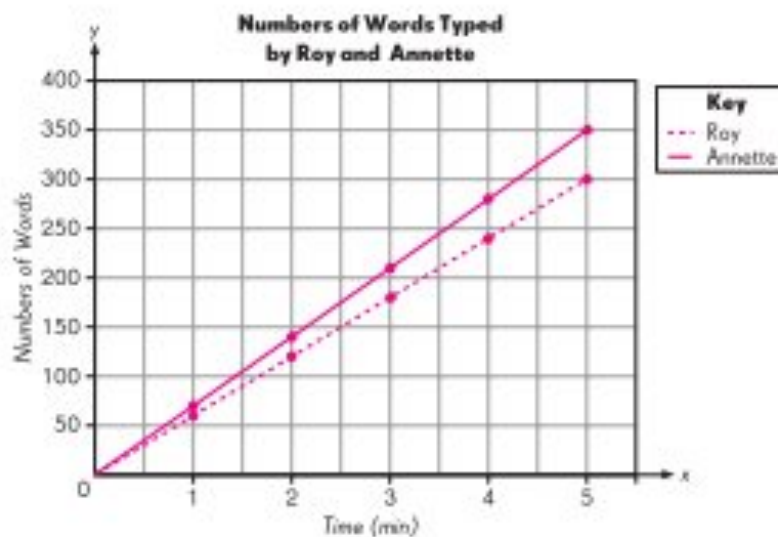
42.)

Time (min)	1	2	3	4	5
Number of Words	60	120	180	240	300

Number of Words Typed by Annette

Time (min)	1	2	3	4	5
Number of Words	70	140	210	280	350

43.)



44.)

Roy types 240 words in 4 minutes.
Annette types 280 words in 4 minutes.

45.)

Roy takes 14 minutes.
Annette takes 12 minutes.

46.)

Roy would take 21 minutes.
Annette would take 18 minutes.

47.)

$$15 \times 70 = 1050$$

$$24 \times 60 = 1440$$

$$1440 + 1050 = 2,490$$

There were 2,490 words in the document.

48.)

$$64 \times 40 = 2560$$

$$2560 \div 8 = 320 \text{ bags}$$

49.)

$$12,655 - 6,655 = 6,000$$

$$6,000 \div 12 = \$500 \text{ for each payment}$$

50.) $3/2 \div 6 =$

Each $1/2$ gallon is the same as two $1/4$ gallons

So if there are 3 of the $1/2$, there are six of the $1/4$ gallons.

$1/4$ g is in each glas..