

1. Arrange these fractions in order from least to greatest.

$$\frac{3}{8}, \frac{3}{5}, \frac{3}{7}$$

2. Risa typed 216 words in 6 minutes. She typed an average of how many words per minute?

3. Two thirds of the 27 students in the class had perfect attendance for the first half of the year. How many students had a perfect attendance record?

4. Twenty-four cards were placed in each box, and 120 boxes were packed in each carton. How many cards were in a carton?

5. Miguel has 400 minutes of pre-paid service on his phone each month. If he has used the phone for $3\frac{1}{2}$ hours this month, how many pre-paid minutes of service remain?

6. The ferry could carry 12 cars across the river in one trip. Eighty cars were lined up to cross the river. How many trips will the ferry take to move all 80 cars?

7. Mitsy paid the cashier \$20 and received \$4.63 in change. Which equation below can NOT be used to find how much Mitsy spent?

A. $4.63 + p = 20.00$

B. $20.00 - p = 4.63$

C. $p - 4.63 = 20.00$

D. $p + 4.63 = 20.00$

8. The service club sold 50 granola cookies for 35¢ each. How much money did the club collect?

9. The water level in the beaker rose from 80 mL to 113 mL when the toy car was submerged. The toy takes up as much volume as how many milliliters of water?

10. Arrange these numbers from least to greatest.

$$-3, 2, 0, -1, 4$$

11. Name a pair of whole number factors whose product is 8.

12. Name the property illustrated by this equation.
- $$3 + (4 + 5) = (3 + 4) + 5$$

13. What number is the opposite of 2?

14. What two numbers have an absolute value of 5?

15. Use the associative and commutative properties to make the calculation easier. Justify the steps.

$$6 \cdot (14 \cdot 5)$$

16. Compare: $3 - 5$ ○ $5 - 3$

For questions 17–20, simplify the expression.

17. $\$100 - \90.80

18. $36 \times \$0.84$

19. $\frac{\$40.80}{24}$

20. $\frac{1}{4}$ of 144

1. $3 \div 6 = 0.5$
 $3 \div 5 = 0.6$
 $3 \div 7 = 0.428$

$\frac{3}{7}, \frac{6}{5}, \frac{3}{6}$

2.
$$\begin{array}{r} 36 \\ 6 \overline{) 216} \\ \underline{18} \\ 36 \\ \underline{36} \\ 0 \end{array}$$

36 words per minute

3. 2 of 87
 $3 \leftarrow$ MULT
 $3 \leftarrow$ DIVIDE
 $87 \div 3 = 9$
 $9 \times 2 = 18$

18 students

4. $24 \times 120 = 2880$
 cards

5. $3\frac{1}{2}$ hours = $60 + 60 + 60 + 30$
 $3\frac{1}{2}$ hours = 210 minutes
 $400 - 210 = 190$ min.

6. $80 \div 12 = 6.\overline{6}$ trips
 is impossible

It will take 7 trips.

C

8.
$$\begin{array}{r} 35 \\ \times 50 \\ \hline 1750 \end{array}$$

\$17.50

9. $113 - 80 = 33$ mL

10. $-3, -1, 0, 2, 4$

11. $8 \& 1$
 or
 $2 \& 4$

12. Parenthesis have moved, numbers have not... so
 Associative Property of Addition

13. -2

14. $5 \& -5$

15. $6 \cdot (14 \cdot 5)$
 $(6 \cdot 5) \cdot 14$ Comm. Prop & Assoc. Prop
 $30 \cdot 14 = 420$

16. $3 - 5 = -2$
 $5 - 3 = 2$
 $-2 < 2$

17.
$$\begin{array}{r} 99 \\ \times 90.80 \\ \hline 90.80 \\ \underline{891.00} \\ 90.80 \\ \hline 9.20 \end{array}$$

18.
$$\begin{array}{r} 36 \\ \times 84 \\ \hline 144 \\ \underline{2880} \\ 3024 \end{array}$$

\$30.24

19.
$$\begin{array}{r} 1.70 \\ 24 \overline{) 40.80} \\ \underline{24} \\ 168 \\ \underline{168} \\ 00 \end{array}$$

\$1.70

20. $9\frac{1}{4}$ of 144
 $144 \div 4 = 36$
 $36 \times 1 = 36$