

Mid-Test Chapters 1–4

Multiply or divide. Write fractions in simplest form.

a

$$\begin{array}{r} 1. \quad 329 \\ \times 17 \\ \hline \end{array}$$

b

$$\begin{array}{r} 1843 \\ \times 51 \\ \hline \end{array}$$

c

$$\begin{array}{r} 432 \\ \times 57 \\ \hline \end{array}$$

d

$$\begin{array}{r} 2945 \\ \times 612 \\ \hline \end{array}$$

e

$$\begin{array}{r} 6281 \\ \times 408 \\ \hline \end{array}$$

$$2. \quad 58 \overline{)704}$$

$$8 \overline{)62472}$$

$$45 \overline{)6208}$$

$$15 \overline{)38725}$$

$$68 \overline{)29104}$$

$$3. \quad \begin{array}{r} 6.4 \\ \times 8.7 \\ \hline \end{array}$$

$$\begin{array}{r} 0.786 \\ \times 0.41 \\ \hline \end{array}$$

$$\begin{array}{r} \$67.52 \\ \times 20 \\ \hline \end{array}$$

$$\begin{array}{r} \$16.52 \\ \times 6.93 \\ \hline \end{array}$$

$$\begin{array}{r} 27.63 \\ \times 6 \\ \hline \end{array}$$

$$4. \quad 0.5 \overline{)37.5}$$

$$0.07 \overline{)46.55}$$

$$6.3 \overline{)476.28}$$

$$0.3 \overline{)742.8}$$

$$1.8 \overline{)705.6}$$

$$5. \quad \frac{2}{3} \times \frac{3}{4} =$$

$$\frac{5}{6} \times \frac{7}{8} =$$

$$6 \times \frac{5}{8} =$$

$$2 \times 4\frac{2}{3} =$$

$$3\frac{1}{3} \times 4\frac{1}{5} =$$

$$6. \quad 5 \div \frac{1}{6} =$$

$$\frac{3}{5} \div 4 =$$

$$\frac{7}{8} \div \frac{2}{3} =$$

$$4\frac{1}{3} \div 5 =$$

$$3\frac{1}{8} \div 1\frac{2}{3} =$$

Mid-Test Chapters 1–4

Find the unknown value in each ratio.

7. $\frac{9}{2} = \frac{18}{\square}$ _____ **a**

$\frac{5}{11} = \frac{\square}{77}$ _____ **b**

$\frac{\square}{36} = \frac{5}{12}$ _____ **c**

8. $\frac{12}{7} = \frac{48}{\square}$ _____

$\frac{42}{\square} = \frac{7}{3}$ _____

$\frac{4}{9} = \frac{\square}{54}$ _____

9. $\frac{9}{\square} = \frac{54}{66}$ _____

$\frac{\square}{7} = \frac{14}{49}$ _____

$\frac{5}{4} = \frac{10}{\square}$ _____

SHOW YOUR WORK

Find the unit rate for each problem.

- 10.** The Wilson Student Government sold \$126 worth of tickets for a talent show in 3 hours. How many tickets did they sell in one hour?

They sold _____ tickets in one hour.

- 11.** One thousand sixty-five people visited the carnival in 5 hours. How many people visited in one hour?

_____ people visited in one hour.

- 12.** You can buy 6 apples at Shop and Save for \$0.96. You can buy 4 of the same apples at Value Food for \$1.20. Which store has the better buy?

_____ has the better buy.

10.

11.

12.

Convert to percents.

13. $\frac{3}{20} =$ _____ **a**

$\frac{4}{5} =$ _____ **b**

$\frac{14}{50} =$ _____ **c**

Convert to decimals.

14. $30\% =$ _____

$72\frac{1}{4}\% =$ _____

$346\% =$ _____

Convert to fractions.

15. $75\% =$ _____

$20\% =$ _____

$140\% =$ _____

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Complete each statement.

- | a | b | c |
|----------------------------------|-----------------------|-----------------------|
| 16. _____ is 9% of 30. | _____ is 8% of 15. | _____ is 22% of 90. |
| 17. 36.9 is 45% of _____. | 0.36 is 12% of _____. | 120 is 150% of _____. |
| 18. 13 is _____% of 52. | 5 is _____% of 125. | 38 is _____% of 40. |

Find the absolute value of each integer.

- | | | |
|-----------------------------|-----------------|------------------|
| 19. $ 7 =$ _____ | $ 71 =$ _____ | $- -68 =$ _____ |
| 20. $ -100 =$ _____ | $- 25 =$ _____ | $ 95 =$ _____ |
| 21. $- 37 =$ _____ | $ -68 =$ _____ | $- -25 =$ _____ |

Compare the integers using $<$, $>$, or $=$.

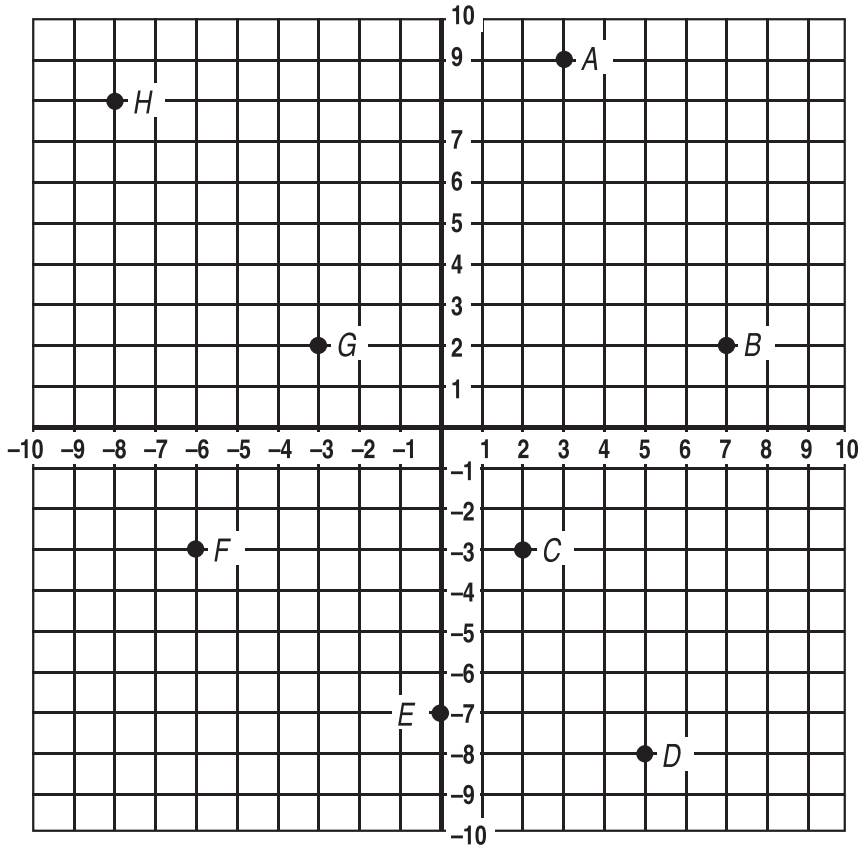
- | | | |
|------------------------------|-------------------|------------------|
| 22. $-32 \square -35$ | $-68 \square -41$ | $40 \square 27$ |
| 23. $96 \square 17$ | $20 \square 36$ | $20 \square 48$ |
| 24. $72 \square -15$ | $-29 \square 62$ | $14 \square -77$ |

Order from least to greatest.

- | a | b |
|-------------------------------------|--------------------------|
| 25. $-85, -56, 6, -6$ _____ | $-3, -47, 80, -82$ _____ |
| 26. $5, 10, -60, 99$ _____ | $37, 76, 66, 73$ _____ |
| 27. $-7, 16, -47, -37$ _____ | $-56, 97, 75, 61$ _____ |

Mid-Test Chapters 1–4

Use the coordinate grid to answer the questions.



Write the ordered pair for each coordinate.

28. A _____

29. C _____

30. E _____

31. G _____

Name the point located at each ordered pair.

32. $(-8, 8)$ _____

33. $(-6, -3)$ _____

34. $(5, -8)$ _____

35. $(7, 2)$ _____

Mark the following points on the coordinate grid.

36. I at $(-3, -5)$

37. J at $(4, -8)$

38. K at $(5, 2)$

39. L at $(-1, 6)$

40. How many units is it from Point B to Point H? _____ units

41. How many units is it from Point F to Point D? _____ units