

8 Drexel Summer 2025 Math Packet

Name: _____

Complete the following problem. Show **all your work** and **circle your final answer**. Please bring this packet with you on the first day of school.

Decimals

Find the sum, difference, or product.

1) $2.29 + 1.2 =$

2) $4.7 + 1.5 =$

3) $4.4 - 2.9 =$

4) $7.6 - 0.02 =$

5) $5.242 - 0.3 =$

6) $(5)(3.5) =$

7) $(7.2)(2.5) =$

8) $(4.3)(0.9) =$

Find the difference. Round your answer to the nearest tenth.

9) $8.9 \div 7.6 =$

10) $2.3 \div 3 =$

11) $0.5 \div 3.5 =$

Fractions

Find the sum, difference, product or quotient.

$$1) \frac{2}{3} + \frac{4}{3} =$$

$$13) \frac{3}{8} + \frac{1}{6} =$$

$$14) \frac{3}{4} + 4\frac{2}{5} =$$

$$15) 4\frac{1}{7} + 1\frac{1}{2} =$$

$$6) \frac{7}{6} - \frac{5}{6} =$$

$$17) \frac{5}{6} - \frac{1}{3} =$$

$$18) 2\frac{1}{8} - \frac{1}{2} =$$

$$19) 4\frac{1}{4} - 3\frac{1}{2} =$$

$$2) \frac{2}{3} \cdot \frac{4}{5} =$$

$$21) 3\frac{3}{5} \cdot \frac{1}{2} =$$

$$22) 7 \cdot \frac{2}{5} =$$

$$23) 1\frac{1}{3} \cdot 5\frac{5}{6} =$$

$$4) \frac{7}{8} \div \frac{1}{2} =$$

$$25) \frac{1}{3} \div 2 =$$

$$26) \frac{3}{2} \div 1\frac{1}{7} =$$

$$27) 4\frac{1}{6} \div \frac{1}{4} =$$

Integers

Find the sum, difference, product or quotient.

28) $4 + (-7) =$

29) $-3 + 12 =$

30) $-9 + (-11) =$

31) $-6 - 8 =$

32) $12 - (-2) =$

33) $-7 - (-10) =$

34) $(-7)(8) =$

35) $(-10)(-5) =$

36) $(6)(-3) =$

37) $-24 \div (-3) =$

38) $-54 \div 6 =$

39) $56 \div (-8) =$

Order of Operations

39) $4 + 3(6 - 2) =$

40) $(8 + 2) \cdot 3^2 =$

41) $24 \div (3 \cdot 2) + 1 =$

Evaluate the expressions when $x = 4$ and $y = 3$. **Show your substitutions.**

42) $2x + 3y$

43) $x^2 - y$

44) $5(x + y)$

Ratios, Rates, and Proportions

45) Write the ratio of 3 cats to 8 dogs.

47) If $\frac{4}{5} = \frac{x}{10}$, find x ?

46) If 5 notebooks cost \$15, what is the cost of one notebook?

Percent Problems

48) What is 25% of 60?

49) 15 is what percent of 75?

50) A \$50 shirt is on sale for 20% off. What is the sale price?

Geometry Basics

51) Find the area and perimeter of a rectangle with length 7 cm and width 5 cm.

52) Find the area of a triangle with base 10 inches and height 4 inches.

53) Identify the angle type as acute, right or obtuse.

135°

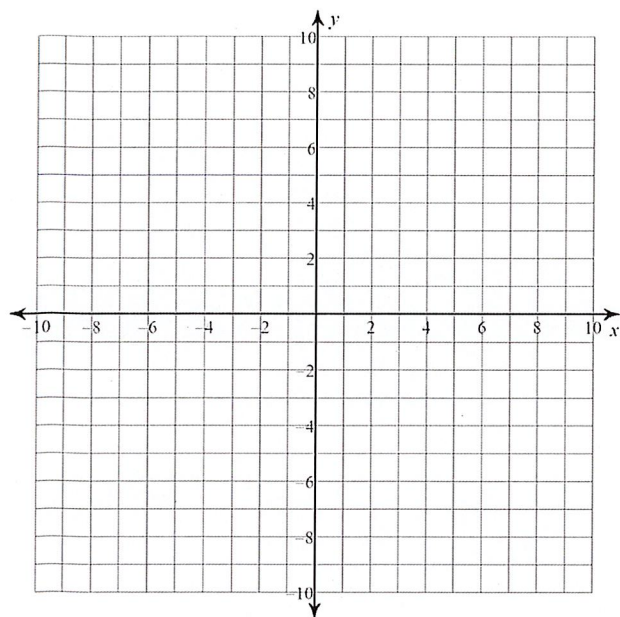
70°

90°

Coordinate Plane

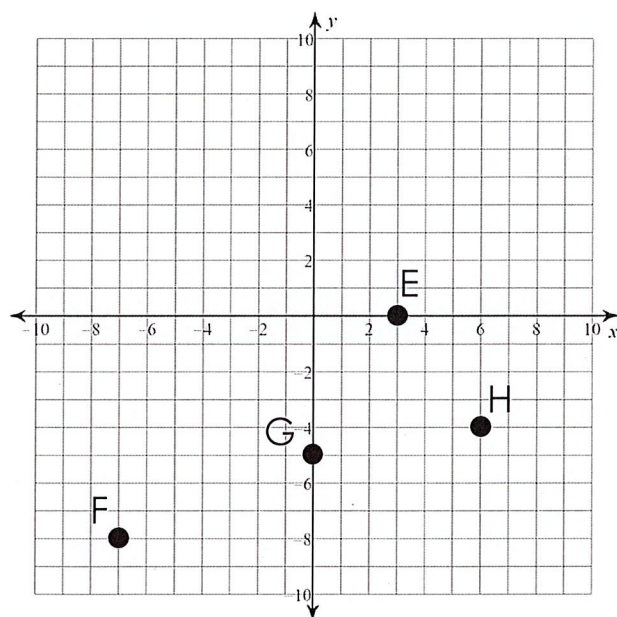
56) Plot and label the points.

A: (3, -2) B: (-4, 5) C: (2, 0) D: (0, 1)



57) State the coordinates.

E: (__, __) F: (__, __) G: (__, __) H: (__, __)



Word Problems

58) Mary ran 3.5 miles each day for 4 days. How far did she run in total?

59) A class has 18 boys and 12 girls. What is the ratio of boys to girls?

60) A rectangle has a length twice its width. If the width is 6 inches, what is the perimeter?

Which skill did you find the easiest?

Which skill did you find most challenging?