

7th Grade Summer Math Packet

Web 1

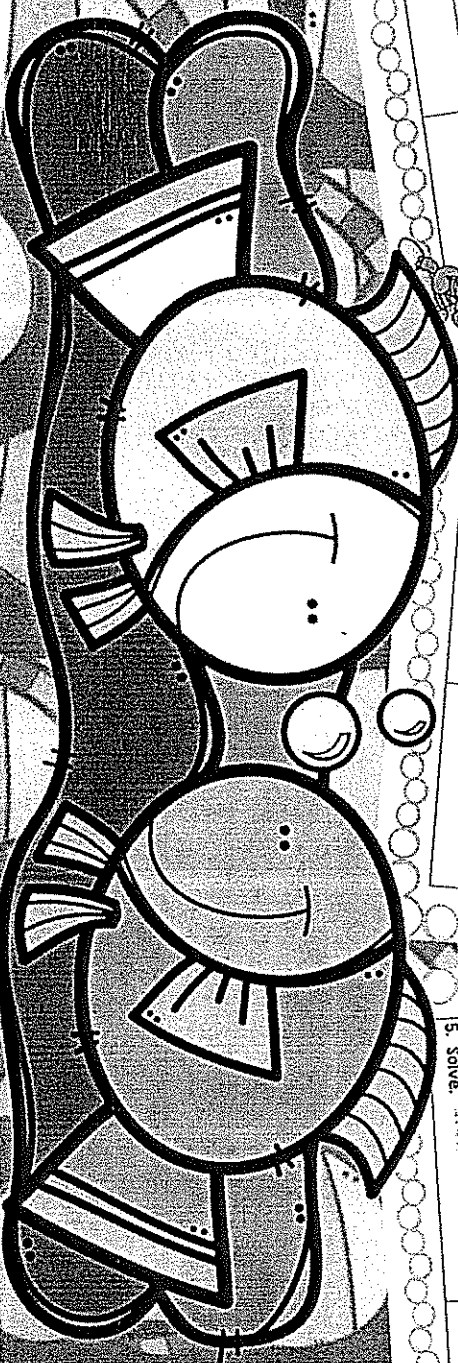
Problem	Work/Answer
1. Using the letters a, s, u, m, m, e, r, find the probability of selecting another 'm'.	
2. Determine if (3, -5) is a solution to $y = 2x - 11$.	
3. Solve the formula for 'h'.	
4. Find the area of a triangle with a base of 24 in. and a height of 18 in.	
5. Find 83% of 54.	

Web 3

Problem	Work/Answer
1. Evaluate for $x = 2, 0,$ and 5 .	
2. Find the area of a trapezoid with a base of 5 m and 10 m and a height of 3 m.	
3. Solve and graph the solution.	
4. The ratio of sharks to fish is 2 to 20. There are 350 fish in a school. Find the number of sharks.	
5. Solve.	

Web 5

Problem	Work/Answer
1. Complete. $60 \text{ oz} = \underline{\hspace{2cm}} \text{ lb}$	
2. Find the volume of a cylinder with a diameter of 20 mm and a height of 15 mm.	
3. Find the GCF of 15 and 55.	
4. Order from least to greatest.	
5. Solve.	

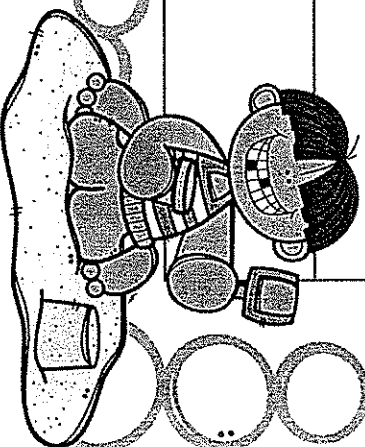


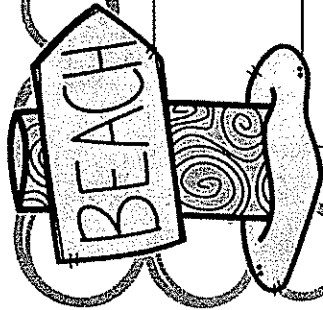
Week 1

Problem

Work/Answer

1. Using the letters in SUMMERTIME find the probability of selecting a M, then without replacement selecting another M.
2. Determine if $(3, -5)$ is a solution to $y = x - 3$.
3. Solve the formula for n. $3n - p = 6m$
4. Find the area of a triangle with a base of 24 in. and a height of 16 in.
5. Find 83% of 54.





Week 2

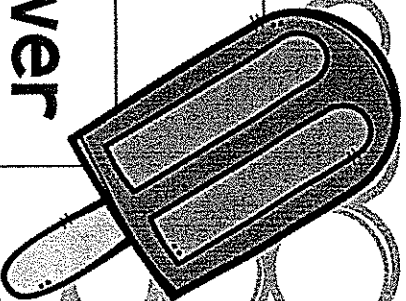
Problem	Work/Answer
1. Determine the slope of the line through (7, 1) and (-3,3).	
2. Find the unit rate. Running 2.3 km in 7 min	
3. Find the measure of the complement and the supplement of a 45 degree angle.	
4. Solve the proportion. $\frac{6}{5} = \frac{m}{7}$	
5. Solve. $5n = 45.5$	

Week 3

Problem

Work/Answer

1. Evaluate for $x = -2, 0,$ and $5.$ $y = x^2 - 1$	
2. Find the area of a trapezoid with bases of 5 m and 10 m and a height of 7.5 m.	
3. Solve and graph the solution. $m - 8 \leq -17$	
4. The ratio of sharks to fish is 2 to 25. There are 350 fish in a school. Find the number of sharks.	
5. Solve. $\frac{h}{7} = 8$	

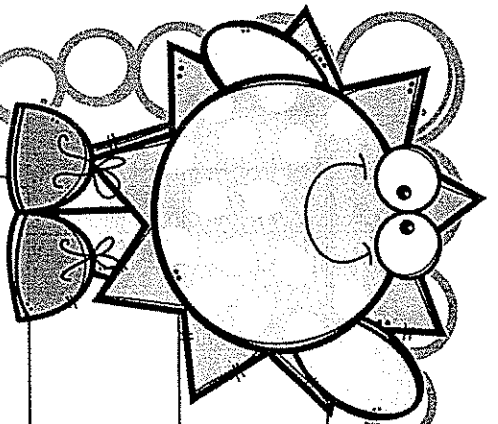


Week 4

Problem

Work/Answer

1. Find the difference. $9\frac{3}{8} - 5\frac{1}{4}$
2. Solve and graph the solution. $\frac{p}{11} \leq -6$
3. Determine the slope of the line through (8,5) and (1,-1).
4. Does a 98 degree angle have a complement?
5. What percent of 40 is 28?

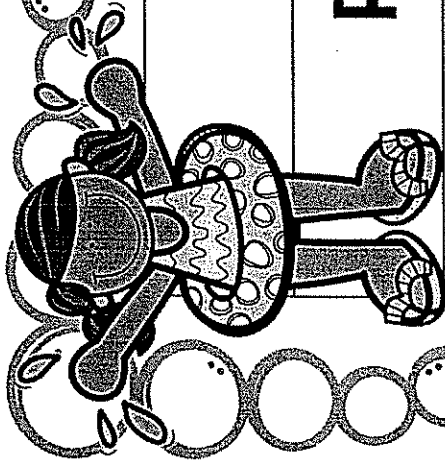


Week 5

Problem

Work/Answer

1. Complete. 60 oz = _____ lb	
2. Find the volume of a cylinder with a diameter of 20 mm and a height of 13 mm.	
3. Find the GCF of 15 and 55.	
4. Order from least to greatest. $2.56, -2\bar{5}, -2\frac{1}{5}, \frac{24}{10}, -2.4$	
5. Solve. $14 + 3n = 8$	



Week 6

Problem	Work/Answer
1. Define a chord.	
2. Find the sum. $4\frac{3}{4} + 5\frac{1}{5}$	
3. Write using scientific notation. 12,300,000	
4. Solve. $9h - 21 = 24$	
5. Solve the proportion. $\frac{3}{7} = \frac{8}{x}$	

Week 7

Problem

Work/Answer

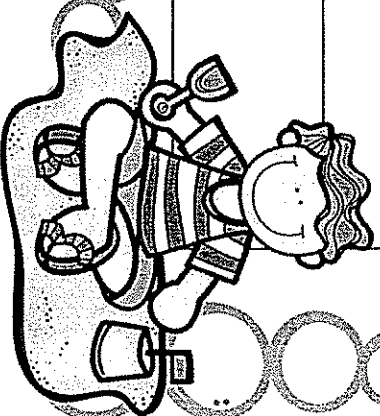
1. Find the surface area of a rectangular prism with a length of 6 cm, width of 3 cm, and a height of 8 cm.

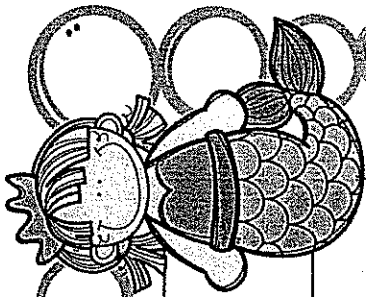
2. Find the product. $1\frac{2}{3} \cdot 1\frac{1}{4}$

3. 80% of 15 is what number?

4. Complete. $5\frac{1}{2}$ yards = ... in.

5. Solve. $\frac{w}{5} - 10 = -4$





Week 8

Problem	Work/Answer
1. Solve the formula for n. $s = (n - 2)180$	
2. Find the percent of change. from \$90 to \$75	
3. Find two consecutive whole numbers that the number falls between. Then estimate the number's value. $\sqrt{63}$	
4. Solve. $14 + \frac{y}{8} = 10$	
5. Solve the proportion. $\frac{y}{18} = \frac{24}{15}$	

