

7th Grade

Summer Math Packet

Week 1

Work/Answer

Problem

- Using the letter a SUMMERTIME find the probability of selecting a M , then without replacement, selecting another M .
- Determine if $(3 \cdot 5)$ is a solution to ...
- Solve the formula for n . $m = \frac{n}{5}$
- Find the area of a triangle with a base of 24 in. and a height of 16 in.
- Find 83% of 54.

Week 3

Work/Answer

Problem

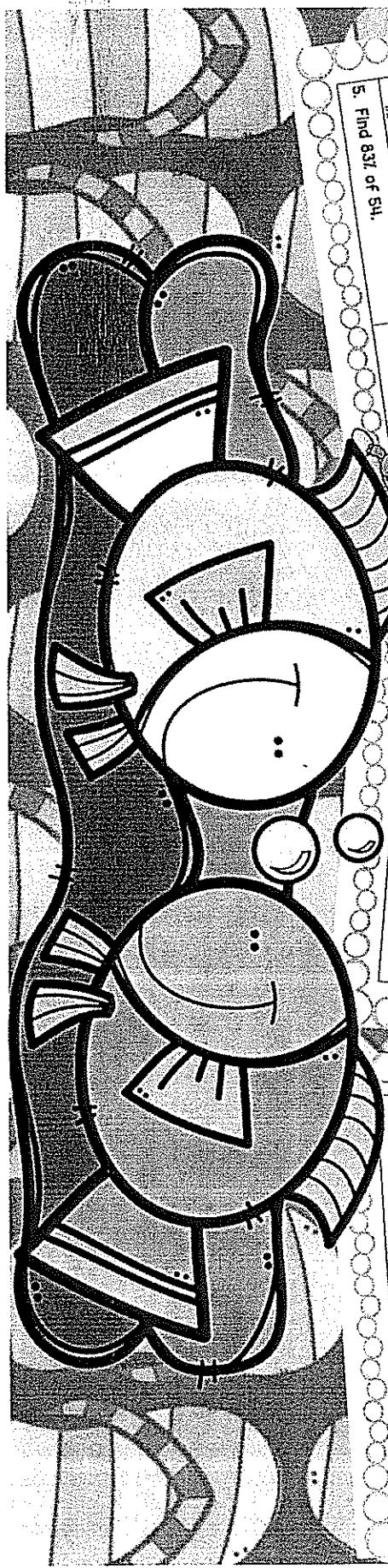
- Evaluate for $t = -2, 0,$ and 5 .
- Find the area of a trapezoid with bases of 5 m and 10 m to a height of 4.5 m.
- Solve and graph the solution.
- The rate of stars to fish is 2 to 25. There are 350 fish in a school. Find the number of stars.
- Solve.

Week 5

Work/Answer

Problem

- Complete. $60 \text{ oz} = \text{--- lb}$
- Find the volume of a cylinder with a diameter of 20 mm and a height of 13 mm.
- Find the GCF of 15 and 55.
- Order from least to greatest.
- Solve.

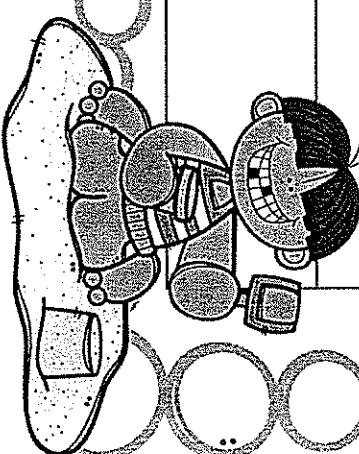


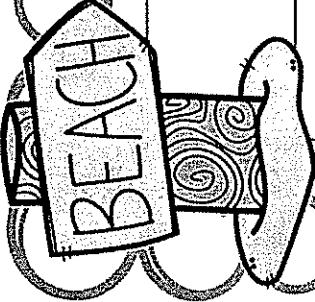
Week 1

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

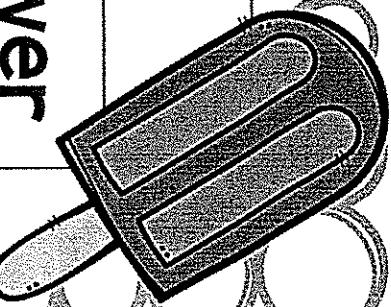
3. Find the measure of the complement and the supplement of a 45 degree angle.

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

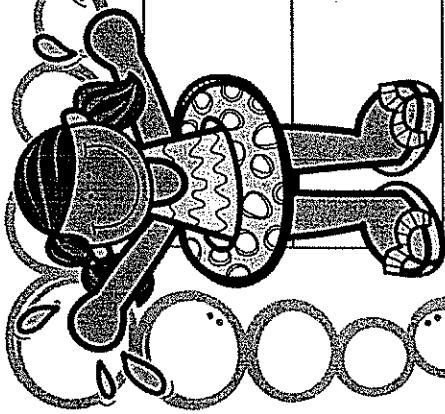
1. Find the difference. $9\frac{3}{8} - 5\frac{1}{4}$
2. Solve and graph the solution. $\frac{p}{11} \leq -6$
3. Determine the slope of the line through (8,5) and (1,-1).
4. Does a 98 degree angle have a complement?
5. What percent of 40 is 28?

Week 5

Problem

Work/Answer

1. Complete. $60 \text{ oz} = \dots \text{ lb}$	
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

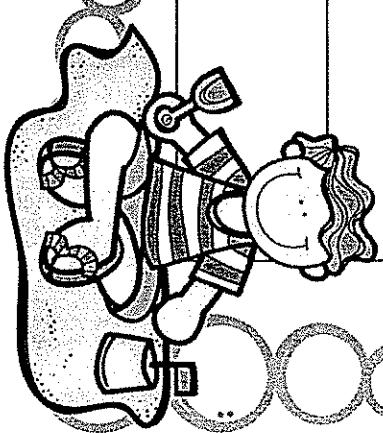
1. Find the surface area of a rectangular prism with a length of 6 cm, width of 3 cm, and a height of 8 cm.

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

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

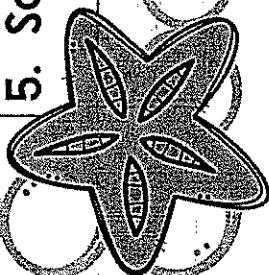
1. Solve the formula for n . $s = (n - 2)180$

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. $\frac{y}{18} = \frac{2.4}{15}$



Practice - will be a timed test at beginning of the year.

Multiplying With 1, 2, 3, 4, 5, 6, 7, 8, and 9 (A)

Note: The other factor has a range of 1 to 10.

$\underline{6}$	$\underline{8}$	$\underline{2}$	$\underline{6}$	$\underline{8}$	$\underline{2}$	$\underline{1}$	$\underline{1}$	$\underline{4}$	$\underline{9}$
$\times \underline{3}$	$\times \underline{7}$	$\times \underline{7}$	$\times \underline{9}$	$\times \underline{7}$	$\times \underline{1}$	$\times \underline{3}$	$\times \underline{3}$	$\times \underline{3}$	$\times \underline{5}$
$\underline{5}$	$\underline{7}$	$\underline{2}$	$\underline{5}$	$\underline{2}$	$\underline{5}$	$\underline{6}$	$\underline{3}$	$\underline{1}$	$\underline{1}$
$\times \underline{5}$	$\times \underline{4}$	$\times \underline{1}$	$\times \underline{5}$	$\times \underline{3}$	$\times \underline{8}$	$\times \underline{3}$	$\times \underline{4}$	$\times \underline{8}$	$\times \underline{4}$
$\underline{8}$	$\underline{8}$	$\underline{8}$	$\underline{1}$	$\underline{5}$	$\underline{3}$	$\underline{1}$	$\underline{6}$	$\underline{2}$	$\underline{8}$
$\times \underline{7}$	$\times \underline{1}$	$\times \underline{3}$	$\times \underline{9}$	$\times \underline{2}$	$\times \underline{6}$	$\times \underline{6}$	$\times \underline{4}$	$\times \underline{7}$	$\times \underline{4}$
$\underline{10}$	$\underline{4}$	$\underline{5}$	$\underline{1}$	$\underline{6}$	$\underline{9}$	$\underline{3}$	$\underline{1}$	$\underline{8}$	$\underline{7}$
$\times \underline{2}$	$\times \underline{5}$	$\times \underline{8}$	$\times \underline{2}$	$\times \underline{9}$	$\times \underline{9}$	$\times \underline{4}$	$\times \underline{1}$	$\times \underline{4}$	$\times \underline{9}$
$\underline{9}$	$\underline{8}$	$\underline{9}$	$\underline{8}$	$\underline{4}$	$\underline{1}$	$\underline{2}$	$\underline{8}$	$\underline{8}$	$\underline{8}$
$\times \underline{6}$	$\times \underline{1}$	$\times \underline{9}$	$\times \underline{9}$	$\times \underline{5}$	$\times \underline{7}$	$\times \underline{1}$	$\times \underline{7}$	$\times \underline{6}$	$\times \underline{7}$
$\underline{8}$	$\underline{9}$	$\underline{8}$	$\underline{7}$	$\underline{4}$	$\underline{10}$	$\underline{9}$	$\underline{2}$	$\underline{8}$	$\underline{10}$
$\times \underline{9}$	$\times \underline{8}$	$\times \underline{4}$	$\times \underline{4}$	$\times \underline{9}$	$\times \underline{9}$	$\times \underline{9}$	$\times \underline{7}$	$\times \underline{9}$	$\times \underline{9}$
$\underline{7}$	$\underline{10}$	$\underline{7}$	$\underline{2}$	$\underline{2}$	$\underline{9}$	$\underline{1}$	$\underline{3}$	$\underline{4}$	$\underline{7}$
$\times \underline{1}$	$\times \underline{8}$	$\times \underline{4}$	$\times \underline{1}$	$\times \underline{3}$	$\times \underline{9}$	$\times \underline{4}$	$\times \underline{2}$	$\times \underline{8}$	$\times \underline{3}$
$\underline{8}$	$\underline{6}$	$\underline{3}$	$\underline{9}$	$\underline{2}$	$\underline{6}$	$\underline{8}$	$\underline{7}$	$\underline{2}$	$\underline{7}$
$\times \underline{8}$	$\times \underline{4}$	$\times \underline{3}$	$\times \underline{3}$	$\times \underline{7}$	$\times \underline{3}$	$\times \underline{9}$	$\times \underline{9}$	$\times \underline{5}$	$\times \underline{7}$
$\underline{7}$	$\underline{5}$	$\underline{7}$	$\underline{5}$	$\underline{9}$	$\underline{9}$	$\underline{8}$	$\underline{4}$	$\underline{2}$	$\underline{1}$
$\times \underline{8}$	$\times \underline{8}$	$\times \underline{5}$	$\times \underline{2}$	$\times \underline{8}$	$\times \underline{6}$	$\times \underline{4}$	$\times \underline{3}$	$\times \underline{6}$	$\times \underline{6}$
$\underline{6}$	$\underline{3}$	$\underline{6}$	$\underline{9}$	$\underline{8}$	$\underline{8}$	$\underline{1}$	$\underline{1}$	$\underline{4}$	$\underline{7}$
$\times \underline{4}$	$\times \underline{6}$	$\times \underline{2}$	$\times \underline{5}$	$\times \underline{7}$	$\times \underline{8}$	$\times \underline{4}$	$\times \underline{7}$	$\times \underline{8}$	$\times \underline{2}$

Multiplying With 1, 2, 3, 4, 5, 6, 7, 8, and 9 (A) Answers

$\frac{6}{x} \frac{3}{18}$	$\frac{8}{x} \frac{7}{56}$	$\frac{2}{x} \frac{7}{14}$	$\frac{6}{x} \frac{9}{54}$	$\frac{8}{x} \frac{7}{56}$	$\frac{2}{x} \frac{1}{2}$	$\frac{1}{x} \frac{3}{3}$	$\frac{1}{x} \frac{3}{3}$	$\frac{4}{x} \frac{3}{12}$	$\frac{9}{x} \frac{5}{45}$
$\frac{5}{x} \frac{5}{25}$	$\frac{7}{x} \frac{7}{28}$	$\frac{2}{x} \frac{1}{2}$	$\frac{5}{x} \frac{5}{25}$	$\frac{2}{x} \frac{3}{6}$	$\frac{5}{x} \frac{8}{40}$	$\frac{6}{x} \frac{3}{18}$	$\frac{3}{x} \frac{4}{12}$	$\frac{1}{x} \frac{8}{8}$	$\frac{1}{x} \frac{4}{4}$
$\frac{8}{x} \frac{7}{56}$	$\frac{8}{x} \frac{1}{8}$	$\frac{8}{x} \frac{3}{24}$	$\frac{1}{x} \frac{9}{9}$	$\frac{5}{x} \frac{2}{10}$	$\frac{3}{x} \frac{6}{18}$	$\frac{1}{x} \frac{6}{6}$	$\frac{6}{x} \frac{4}{24}$	$\frac{2}{x} \frac{7}{14}$	$\frac{8}{x} \frac{4}{32}$
$\frac{10}{x} \frac{2}{20}$	$\frac{4}{x} \frac{5}{20}$	$\frac{5}{x} \frac{8}{40}$	$\frac{1}{x} \frac{2}{2}$	$\frac{6}{x} \frac{9}{54}$	$\frac{9}{x} \frac{9}{81}$	$\frac{3}{x} \frac{4}{12}$	$\frac{1}{x} \frac{1}{1}$	$\frac{8}{x} \frac{4}{32}$	$\frac{7}{x} \frac{9}{63}$
$\frac{9}{x} \frac{6}{54}$	$\frac{8}{x} \frac{1}{8}$	$\frac{9}{x} \frac{9}{81}$	$\frac{8}{x} \frac{9}{72}$	$\frac{4}{x} \frac{5}{20}$	$\frac{1}{x} \frac{7}{7}$	$\frac{2}{x} \frac{1}{2}$	$\frac{8}{x} \frac{7}{56}$	$\frac{8}{x} \frac{6}{48}$	$\frac{8}{x} \frac{7}{56}$
$\frac{8}{x} \frac{9}{72}$	$\frac{9}{x} \frac{8}{72}$	$\frac{8}{x} \frac{4}{32}$	$\frac{7}{x} \frac{4}{28}$	$\frac{4}{x} \frac{9}{36}$	$\frac{10}{x} \frac{9}{90}$	$\frac{9}{x} \frac{9}{81}$	$\frac{2}{x} \frac{7}{14}$	$\frac{8}{x} \frac{9}{72}$	$\frac{10}{x} \frac{9}{90}$
$\frac{7}{x} \frac{1}{7}$	$\frac{10}{x} \frac{8}{80}$	$\frac{7}{x} \frac{4}{28}$	$\frac{2}{x} \frac{1}{2}$	$\frac{2}{x} \frac{3}{6}$	$\frac{9}{x} \frac{9}{81}$	$\frac{1}{x} \frac{4}{4}$	$\frac{3}{x} \frac{2}{6}$	$\frac{4}{x} \frac{8}{32}$	$\frac{7}{x} \frac{3}{21}$
$\frac{8}{x} \frac{8}{64}$	$\frac{6}{x} \frac{4}{24}$	$\frac{3}{x} \frac{3}{9}$	$\frac{9}{x} \frac{3}{27}$	$\frac{2}{x} \frac{7}{14}$	$\frac{6}{x} \frac{3}{18}$	$\frac{8}{x} \frac{9}{72}$	$\frac{7}{x} \frac{9}{63}$	$\frac{2}{x} \frac{5}{10}$	$\frac{7}{x} \frac{7}{49}$
$\frac{7}{x} \frac{8}{56}$	$\frac{5}{x} \frac{8}{40}$	$\frac{7}{x} \frac{5}{35}$	$\frac{5}{x} \frac{2}{10}$	$\frac{9}{x} \frac{8}{72}$	$\frac{9}{x} \frac{6}{54}$	$\frac{8}{x} \frac{4}{32}$	$\frac{4}{x} \frac{3}{12}$	$\frac{2}{x} \frac{6}{12}$	$\frac{1}{x} \frac{6}{6}$
$\frac{6}{x} \frac{4}{24}$	$\frac{3}{x} \frac{6}{18}$	$\frac{6}{x} \frac{2}{12}$	$\frac{9}{x} \frac{5}{45}$	$\frac{8}{x} \frac{7}{56}$	$\frac{8}{x} \frac{8}{64}$	$\frac{1}{x} \frac{4}{4}$	$\frac{1}{x} \frac{7}{7}$	$\frac{4}{x} \frac{8}{32}$	$\frac{7}{x} \frac{2}{14}$