

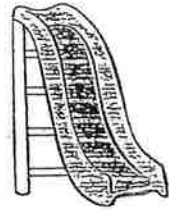
Dear Parents/Guardians:

It's hard to believe, but this school year is quickly coming to an end. In an effort to keep your child's skills fresh, the fourth grade teachers have put together a summer Reading list and a packet of practice Math problems. We understand that summer is time to unwind, go on vacation, and spend time with family and friends. But it's also important to make sure students have not forgotten everything they have spent so much time learning. Although these activities are **OPTIONAL**, it's highly encouraged to at least do some if not all of the work provided. This small effort will truly pay off when your child returns to school for fifth grade.

Have an amazing summer!

Mrs. Teller, Ms. Gadalla, Mrs. Devico

Tips for Preventing the Summer Slide



Studies show that children who do not read or have access to books during the summer lose up to two months of reading performance. Those losses accumulate during the elementary school years so by the time a child enters middle school he/she may be 2 $\frac{1}{2}$ years behind! All children, whether from low, middle or upper income families, may fall victim to the "summer slide" if not provided with summer reading opportunities. So how do we prevent the summer slide or, even accelerate reading growth? Here are a few ideas:

1. Visit your local library! Help your child find "right fit" books. Right fit books are books that are of high interest to your child and are not beyond their reading level. You can use the five finger test to determine if the book is too difficult for your child.
2. Be sure your child reads at least 20 minutes a day. According to research, a child who only reads 1 minute a day outside of school will learn 8,000 words by the end of 6th grade where a student who reads 20 minutes outside of school will learn 1,800,000 words! That's huge! If reading isn't one of your child's top priority you may need to set up an incentive program.
3. Set a good example. When your child sees you reading and enjoying a book or a newspaper article, you are sending a message that reading is important and valuable.
4. Read for different purposes. Reading directions for a recipe or directions for assembling a toy are fun ways or incorporating reading into everyday activities.
5. Play games with words. Commercial games such as Apples To Apples improves vocabulary.
6. If you have access to an iPad, there are tons of interactive books and apps that address reading. There are also many websites that offer free reading related games.

Have a happy and healthy summer! Be sure to read, read and read some more! Not only can we prevent the summer slide, we can accelerate summer growth.

Practice Page: Addition & Subtraction 3 and 4 digits, with regrouping



Add the ones column.	Add the tens column.	Add the hundreds column.
$\begin{array}{r} 163 \\ + 482 \\ \hline 5 \end{array}$	$\begin{array}{r} 163 \\ + 482 \\ \hline 45 \end{array}$	$\begin{array}{r} 163 \\ + 482 \\ \hline 645 \end{array}$

Subtract the ones column.	Regroup the tens column and subtract.	Subtract the hundreds column.
$\begin{array}{r} 512 \\ - 241 \\ \hline 1 \end{array}$	$\begin{array}{r} 412 \\ - 241 \\ \hline 71 \end{array}$	$\begin{array}{r} 412 \\ - 241 \\ \hline 271 \end{array}$

Add.

- | | | | | | |
|--|---|---|---|---|---|
| 1. $\begin{array}{r} 231 \\ + 762 \\ \hline \end{array}$ | $\begin{array}{r} 461 \\ + 329 \\ \hline \end{array}$ | $\begin{array}{r} 647 \\ + 282 \\ \hline \end{array}$ | $\begin{array}{r} 513 \\ + 864 \\ \hline \end{array}$ | $\begin{array}{r} 767 \\ + 350 \\ \hline \end{array}$ | $\begin{array}{r} 354 \\ + 937 \\ \hline \end{array}$ |
| 2. $\begin{array}{r} 598 \\ + 324 \\ \hline \end{array}$ | $\begin{array}{r} 318 \\ + 487 \\ \hline \end{array}$ | $\begin{array}{r} 667 \\ + 571 \\ \hline \end{array}$ | $\begin{array}{r} 467 \\ + 664 \\ \hline \end{array}$ | $\begin{array}{r} 873 \\ + 168 \\ \hline \end{array}$ | $\begin{array}{r} 248 \\ + 367 \\ \hline \end{array}$ |
| 3. $\begin{array}{r} 317 \\ + 218 \\ \hline \end{array}$ | $\begin{array}{r} 466 \\ + 871 \\ \hline \end{array}$ | $\begin{array}{r} 504 \\ + 947 \\ \hline \end{array}$ | $\begin{array}{r} 846 \\ + 516 \\ \hline \end{array}$ | $\begin{array}{r} 496 \\ + 570 \\ \hline \end{array}$ | $\begin{array}{r} 651 \\ + 947 \\ \hline \end{array}$ |

Subtract.

- | | | | | |
|--|---|---|---|---|
| 4. $\begin{array}{r} 597 \\ - 162 \\ \hline \end{array}$ | $\begin{array}{r} 618 \\ - 209 \\ \hline \end{array}$ | $\begin{array}{r} 381 \\ - 159 \\ \hline \end{array}$ | $\begin{array}{r} 947 \\ - 763 \\ \hline \end{array}$ | $\begin{array}{r} 265 \\ - 177 \\ \hline \end{array}$ |
| 5. $\begin{array}{r} 1,471 \\ - 254 \\ \hline \end{array}$ | $\begin{array}{r} 2,284 \\ - 743 \\ \hline \end{array}$ | $\begin{array}{r} 1,248 \\ - 726 \\ \hline \end{array}$ | $\begin{array}{r} 1,420 \\ - 803 \\ \hline \end{array}$ | $\begin{array}{r} 2,019 \\ - 249 \\ \hline \end{array}$ |
| 6. $\begin{array}{r} 2,000 \\ - 637 \\ \hline \end{array}$ | $\begin{array}{r} 3,164 \\ - 726 \\ \hline \end{array}$ | $\begin{array}{r} 1,907 \\ - 267 \\ \hline \end{array}$ | $\begin{array}{r} 2,546 \\ - 467 \\ \hline \end{array}$ | $\begin{array}{r} 1,644 \\ - 795 \\ \hline \end{array}$ |
| 7. $\begin{array}{r} 1,543 \\ - 942 \\ \hline \end{array}$ | $\begin{array}{r} 1,986 \\ - 898 \\ \hline \end{array}$ | $\begin{array}{r} 1,762 \\ - 781 \\ \hline \end{array}$ | $\begin{array}{r} 1,400 \\ - 621 \\ \hline \end{array}$ | $\begin{array}{r} 3,410 \\ - 348 \\ \hline \end{array}$ |



Name _____

Total Problems 30

Problems Correct _____



1. $\begin{array}{r} 423 \\ \times 6 \\ \hline \end{array}$

2. $\begin{array}{r} 735 \\ \times 3 \\ \hline \end{array}$

3. $\begin{array}{r} 817 \\ \times 9 \\ \hline \end{array}$

4. $\begin{array}{r} 325 \\ \times 5 \\ \hline \end{array}$

5. $\begin{array}{r} 316 \\ \times 8 \\ \hline \end{array}$

6. $\begin{array}{r} 326 \\ \times 6 \\ \hline \end{array}$

7. $\begin{array}{r} 623 \\ \times 4 \\ \hline \end{array}$

8. $\begin{array}{r} 231 \\ \times 7 \\ \hline \end{array}$

9. $\begin{array}{r} 687 \\ \times 3 \\ \hline \end{array}$

10. $\begin{array}{r} 823 \\ \times 4 \\ \hline \end{array}$

11. $\begin{array}{r} 912 \\ \times 9 \\ \hline \end{array}$

12. $\begin{array}{r} 813 \\ \times 6 \\ \hline \end{array}$

13. $\begin{array}{r} 912 \\ \times 8 \\ \hline \end{array}$

14. $\begin{array}{r} 867 \\ \times 2 \\ \hline \end{array}$

15. $\begin{array}{r} 613 \\ \times 7 \\ \hline \end{array}$

16. $\begin{array}{r} 524 \\ \times 5 \\ \hline \end{array}$

17. $\begin{array}{r} 716 \\ \times 6 \\ \hline \end{array}$

18. $\begin{array}{r} 532 \\ \times 5 \\ \hline \end{array}$

19. $\begin{array}{r} 921 \\ \times 8 \\ \hline \end{array}$

20. $\begin{array}{r} 703 \\ \times 4 \\ \hline \end{array}$

21. $\begin{array}{r} 608 \\ \times 9 \\ \hline \end{array}$

22. $\begin{array}{r} 517 \\ \times 7 \\ \hline \end{array}$

23. $\begin{array}{r} 123 \\ \times 9 \\ \hline \end{array}$

24. $\begin{array}{r} 312 \\ \times 7 \\ \hline \end{array}$

25. $\begin{array}{r} 768 \\ \times 2 \\ \hline \end{array}$

26. $\begin{array}{r} 152 \\ \times 6 \\ \hline \end{array}$

27. $\begin{array}{r} 353 \\ \times 4 \\ \hline \end{array}$

28. $\begin{array}{r} 364 \\ \times 8 \\ \hline \end{array}$

29. $\begin{array}{r} 524 \\ \times 6 \\ \hline \end{array}$

30. $\begin{array}{r} 321 \\ \times 9 \\ \hline \end{array}$

Practice makes
perfect!



Multiplication

Name _____

Show your work on another sheet.
Write your answers here.

Total Problems 30

Problems Correct _____



$$\begin{array}{r} 1. \quad 45 \\ \times 23 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 53 \\ \times 17 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 25 \\ \times 47 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 48 \\ \times 34 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 54 \\ \times 23 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 32 \\ \times 51 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 35 \\ \times 63 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 44 \\ \times 29 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 58 \\ \times 37 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 39 \\ \times 14 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 62 \\ \times 46 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 36 \\ \times 52 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 57 \\ \times 32 \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 49 \\ \times 27 \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad 24 \\ \times 68 \\ \hline \end{array}$$

$$\begin{array}{r} 16. \quad 37 \\ \times 43 \\ \hline \end{array}$$

$$\begin{array}{r} 17. \quad 71 \\ \times 54 \\ \hline \end{array}$$

$$\begin{array}{r} 18. \quad 35 \\ \times 42 \\ \hline \end{array}$$

$$\begin{array}{r} 19. \quad 56 \\ \times 23 \\ \hline \end{array}$$

$$\begin{array}{r} 20. \quad 39 \\ \times 32 \\ \hline \end{array}$$

$$\begin{array}{r} 21. \quad 23 \\ \times 64 \\ \hline \end{array}$$

$$\begin{array}{r} 22. \quad 43 \\ \times 35 \\ \hline \end{array}$$

$$\begin{array}{r} 23. \quad 37 \\ \times 19 \\ \hline \end{array}$$

$$\begin{array}{r} 24. \quad 42 \\ \times 37 \\ \hline \end{array}$$

$$\begin{array}{r} 25. \quad 35 \\ \times 46 \\ \hline \end{array}$$

$$\begin{array}{r} 26. \quad 53 \\ \times 26 \\ \hline \end{array}$$

$$\begin{array}{r} 27. \quad 31 \\ \times 68 \\ \hline \end{array}$$

$$\begin{array}{r} 28. \quad 36 \\ \times 48 \\ \hline \end{array}$$

$$\begin{array}{r} 29. \quad 59 \\ \times 27 \\ \hline \end{array}$$

$$\begin{array}{r} 30. \quad 28 \\ \times 56 \\ \hline \end{array}$$

Practice! Practice!
Practice!

Division

Show your work on another sheet.
Write your answers here.

Name _____

Total Problems 32

Problems Correct _____



1. $6 \overline{)92}$

2. $4 \overline{)63}$

3. $2 \overline{)37}$

4. $7 \overline{)96}$

5. $3 \overline{)56}$

6. $5 \overline{)63}$

7. $8 \overline{)99}$

8. $4 \overline{)55}$

9. $6 \overline{)85}$

10. $5 \overline{)74}$

11. $2 \overline{)75}$

12. $4 \overline{)95}$

13. $7 \overline{)82}$

14. $3 \overline{)85}$

15. $8 \overline{)95}$

16. $4 \overline{)75}$

17. $5 \overline{)82}$

18. $3 \overline{)77}$

19. $6 \overline{)89}$

20. $2 \overline{)57}$

21. $7 \overline{)93}$

22. $5 \overline{)74}$

23. $2 \overline{)93}$

24. $4 \overline{)67}$

25. $3 \overline{)43}$

26. $6 \overline{)91}$

27. $2 \overline{)77}$

28. $8 \overline{)93}$

29. $3 \overline{)58}$

30. $5 \overline{)94}$

31. $7 \overline{)85}$

32. $6 \overline{)71}$



Practice = Success!

Division

Name _____

Show your work on another sheet.
Write your answers here.

Total Problems 27

Problems Correct _____



1. $3 \overline{)225}$

2. $6 \overline{)324}$

3. $9 \overline{)288}$

4. $2 \overline{)138}$

5. $7 \overline{)455}$

6. $4 \overline{)216}$

7. $8 \overline{)504}$

8. $5 \overline{)270}$

9. $3 \overline{)171}$

10. $6 \overline{)378}$

11. $9 \overline{)855}$

12. $2 \overline{)194}$

13. $7 \overline{)385}$

14. $4 \overline{)304}$

15. $5 \overline{)435}$

16. $3 \overline{)201}$

17. $6 \overline{)348}$

18. $8 \overline{)744}$

19. $2 \overline{)154}$

20. $9 \overline{)306}$

21. $4 \overline{)224}$

22. $7 \overline{)644}$

23. $5 \overline{)475}$

24. $3 \overline{)282}$

25. $6 \overline{)588}$

26. $9 \overline{)252}$

27. $2 \overline{)176}$

Practice hard. You'll win!



Lesson 4.5**Changing Improper Fractions to Mixed Numerals**

$\frac{13}{6}$ means $13 \div 6$ or $6 \overline{)13}$

$$\begin{array}{r} 2 \frac{1}{6} \\ 6 \overline{)13} \\ -12 \\ \hline 1 \end{array} \quad \text{So, } \frac{13}{6} = 2 \frac{1}{6}$$

$1 \rightarrow 1 \div 6 = \frac{1}{6}$

$\frac{13}{6}$ is an **improper fraction**, meaning the denominator divides the numerator at least one time. In other words, the numerator is greater than the denominator.

$2 \frac{1}{6}$ is a **mixed numeral**. This is the simplest form of an improper fraction.

Write each improper fraction as a mixed numeral in simplest form.

1. $\frac{5}{3}$

b $\frac{7}{6}$

c $\frac{9}{5}$

2. $\frac{3}{2}$

$\frac{4}{3}$

$\frac{8}{5}$

3. $\frac{7}{5}$

$\frac{9}{7}$

$\frac{5}{4}$

4. $\frac{32}{6}$

$\frac{51}{4}$

$\frac{49}{9}$

5. $\frac{66}{5}$

$\frac{83}{3}$

$\frac{28}{5}$

6. $\frac{29}{3}$

$\frac{38}{7}$

$\frac{64}{6}$

Add Fractions

Find the sum. Write your answer as a mixed number in simplest form.

1. $\begin{array}{r} \frac{1}{2} \\ + \frac{1}{2} \\ \hline \end{array}$	2. $\begin{array}{r} \frac{2}{4} \\ + \frac{1}{4} \\ \hline \end{array}$	3. $\begin{array}{r} \frac{5}{7} \\ + \frac{4}{7} \\ \hline \end{array}$	4. $\begin{array}{r} \frac{4}{5} \\ + \frac{3}{5} \\ \hline \end{array}$	5. $\begin{array}{r} \frac{7}{8} \\ + \frac{5}{8} \\ \hline \end{array}$
6. $\begin{array}{r} \frac{2}{3} \\ + \frac{2}{3} \\ \hline \end{array}$	7. $\begin{array}{r} \frac{8}{9} \\ + \frac{7}{9} \\ \hline \end{array}$	8. $\begin{array}{r} \frac{3}{6} \\ + \frac{1}{6} \\ \hline \end{array}$	9. $\begin{array}{r} \frac{4}{8} \\ + \frac{3}{8} \\ \hline \end{array}$	10. $\begin{array}{r} \frac{5}{6} \\ + \frac{5}{6} \\ \hline \end{array}$
11. $\begin{array}{r} \frac{1}{5} \\ + \frac{4}{5} \\ \hline \end{array}$	12. $\begin{array}{r} \frac{3}{4} \\ + \frac{1}{4} \\ \hline \end{array}$	13. $\begin{array}{r} \frac{5}{9} \\ + \frac{2}{9} \\ \hline \end{array}$	14. $\begin{array}{r} \frac{5}{7} \\ + \frac{1}{7} \\ \hline \end{array}$	15. $\begin{array}{r} \frac{6}{8} \\ + \frac{3}{8} \\ \hline \end{array}$

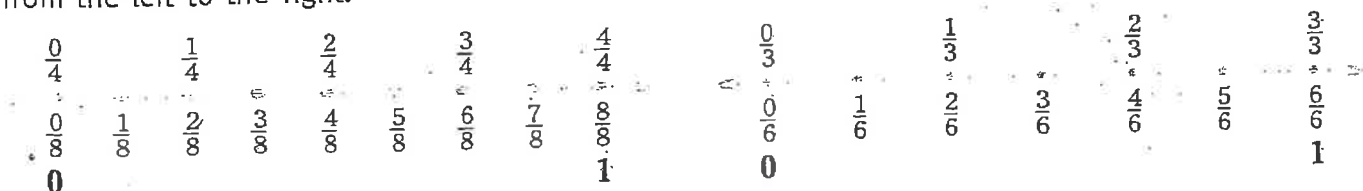
Subtract Fractions

Find the difference. Write your answer as a mixed number in simplest form.

1. $\begin{array}{r} \frac{1}{3} \\ - \frac{1}{3} \\ \hline \end{array}$	2. $\begin{array}{r} \frac{5}{7} \\ - \frac{3}{7} \\ \hline \end{array}$	3. $\begin{array}{r} \frac{6}{8} \\ - \frac{5}{8} \\ \hline \end{array}$	4. $\begin{array}{r} \frac{5}{6} \\ - \frac{3}{6} \\ \hline \end{array}$	5. $\begin{array}{r} \frac{6}{8} \\ - \frac{2}{8} \\ \hline \end{array}$
6. $\begin{array}{r} \frac{2}{4} \\ - \frac{1}{4} \\ \hline \end{array}$	7. $\begin{array}{r} \frac{2}{5} \\ - \frac{1}{5} \\ \hline \end{array}$	8. $\begin{array}{r} \frac{6}{9} \\ - \frac{5}{9} \\ \hline \end{array}$	9. $\begin{array}{r} \frac{6}{7} \\ - \frac{3}{7} \\ \hline \end{array}$	10. $\begin{array}{r} \frac{3}{4} \\ - \frac{2}{4} \\ \hline \end{array}$

Compare and Order Fractions

Number lines can be used to compare and order fractions. On a number line, the fractions become greater as you move from the left to the right.



Compare $\frac{1}{8}$ and $\frac{3}{8}$.

Find $\frac{1}{8}$ and $\frac{3}{8}$ on the number line. Since $\frac{1}{8}$ is farther to the left, it is less than $\frac{3}{8}$.
 $\frac{1}{8} < \frac{3}{8}$

Compare $\frac{4}{4}$ and $\frac{8}{8}$.

Find $\frac{4}{4}$ and $\frac{8}{8}$ on the number line. They name the same mark on the line.
 $\frac{4}{4} = \frac{8}{8} = 1$

Compare $\frac{2}{3}$ and $\frac{2}{6}$.

Find $\frac{2}{3}$ and $\frac{2}{6}$ on the number line. Since $\frac{2}{3}$ is farther to the right, it is greater than $\frac{2}{6}$.
 $\frac{2}{3} > \frac{2}{6}$

Use the number lines above to compare these fractions. Write $<$, $>$, or $=$.

a	b	c	d
1. $\frac{7}{8} > \frac{2}{8}$	$\frac{3}{3} = \frac{6}{6}$	$\frac{3}{6} = \frac{5}{6}$	$\frac{1}{3} = \frac{2}{6}$
2. $\frac{1}{4} = \frac{2}{4}$	$\frac{1}{4} = \frac{2}{8}$	$\frac{5}{8} = \frac{7}{8}$	$\frac{1}{6} = \frac{2}{3}$

Write the fractions in order from least to greatest.

a	b
3. $\frac{7}{8}, \frac{3}{4}, \frac{3}{8}$ _____ $\frac{3}{8}, \frac{3}{4}, \frac{7}{8}$	$\frac{1}{3}, \frac{3}{6}, \frac{1}{6}$ _____
4. $\frac{3}{8}, \frac{1}{8}, \frac{3}{4}$ _____	$\frac{2}{3}, \frac{1}{3}, \frac{3}{6}$ _____
5. $\frac{2}{6}, \frac{2}{3}, \frac{1}{6}$ _____	$\frac{7}{8}, \frac{1}{4}, \frac{4}{8}$ _____

Measurement: Standard Capacity

12 inches (in.) = 1 foot (ft.)
3 feet (ft.) = 1 yard (yd.)
1,760 yards (yd.) = 1 mile (mi.)

Find the missing numbers.

1. 24 in. = _____ ft. 6 ft. = _____ in. 8 yd. = _____ ft.
2. 2 yd. = _____ ft. 3 mi. = _____ yd. 45 ft. = _____ yd.
3. 4 ft. = _____ in. 27 ft. = _____ yd. 60 in. = _____ ft.
4. 3,520 yd. = _____ mi. 6 yd. = _____ ft. 5 ft. = _____ in.
5. 7 ft. = _____ in. 30 ft. = _____ yd. 4 mi. = _____ yd.

Answer each question.

6. Peter needs 42 feet of string for his project. How many yards should he buy?

7. Ruby needs 144 inches of ribbon. How many yards does she need to buy?

8. Jaclyn buys 6 yards of fabric. How many feet of fabric does she have?

9. Jorge is 5 feet and 6 inches tall. How many inches tall is Jorge?



Check What You Learned

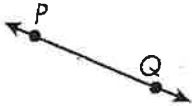
Geometry

Label the following as line, line segment, or ray. Name each figure.

a

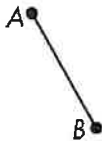
b

1.





2.

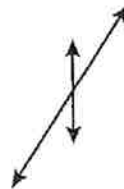




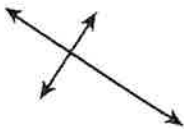
Identify each pair of lines as parallel, perpendicular, or intersecting.

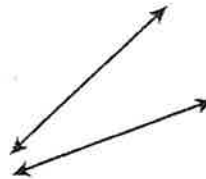
3.





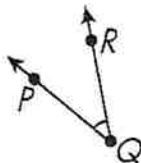
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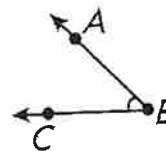




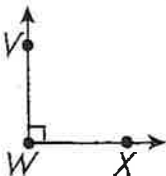
Name each angle. Label as acute, obtuse, or right.

5.





6.





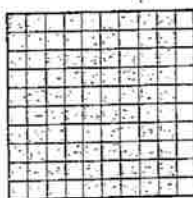
Explore Fractions and Decimals

Write a fraction and a decimal for each shaded part. Then write the fraction in simplest form.

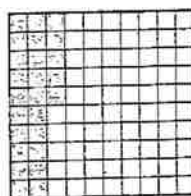
1.



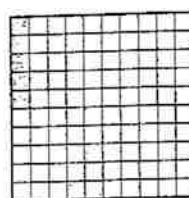
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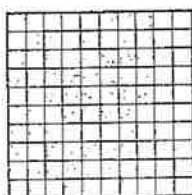
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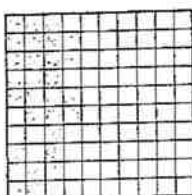
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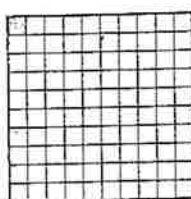
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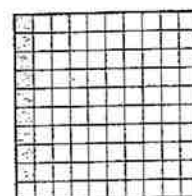
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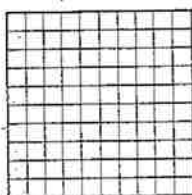
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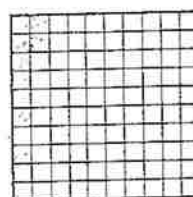
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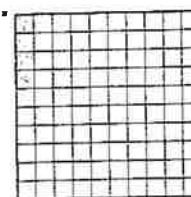
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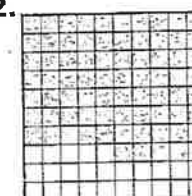
10.



11.



12.



Write each fraction as a decimal.

13. $\frac{70}{100}$ _____

14. $\frac{78}{100}$ _____

15. $\frac{13}{100}$ _____

16. $\frac{27}{100}$ _____

17. $\frac{8}{10}$ _____

18. $\frac{5}{10}$ _____

19. $\frac{1}{100}$ _____

20. $\frac{4}{100}$ _____

21. $\frac{3}{10}$ _____

22. $\frac{66}{100}$ _____

23. $\frac{7}{10}$ _____

24. $\frac{90}{100}$ _____

25. $\frac{4}{10}$ _____

26. $\frac{1}{2}$ _____

27. $\frac{10}{25}$ _____

28. $\frac{5}{20}$ _____

29. $\frac{4}{5}$ _____

30. $\frac{10}{50}$ _____

31. $\frac{3}{4}$ _____

32. $\frac{2}{5}$ _____

me _____

Compare. Use $>$, $<$, or $=$.

1 0.35 0.4

2 0.06 0.60

3 0.3 0.03

4 0.42 0.24

5 0.69 0.6

6 0.50 0.38

7 0.8 0.80

8 0.25 0.35

9 0.1 0.10

10 0.50 0.38

11 0.67 0.65

12 0.25 0.2

★ Tell how you know when decimals are equal.