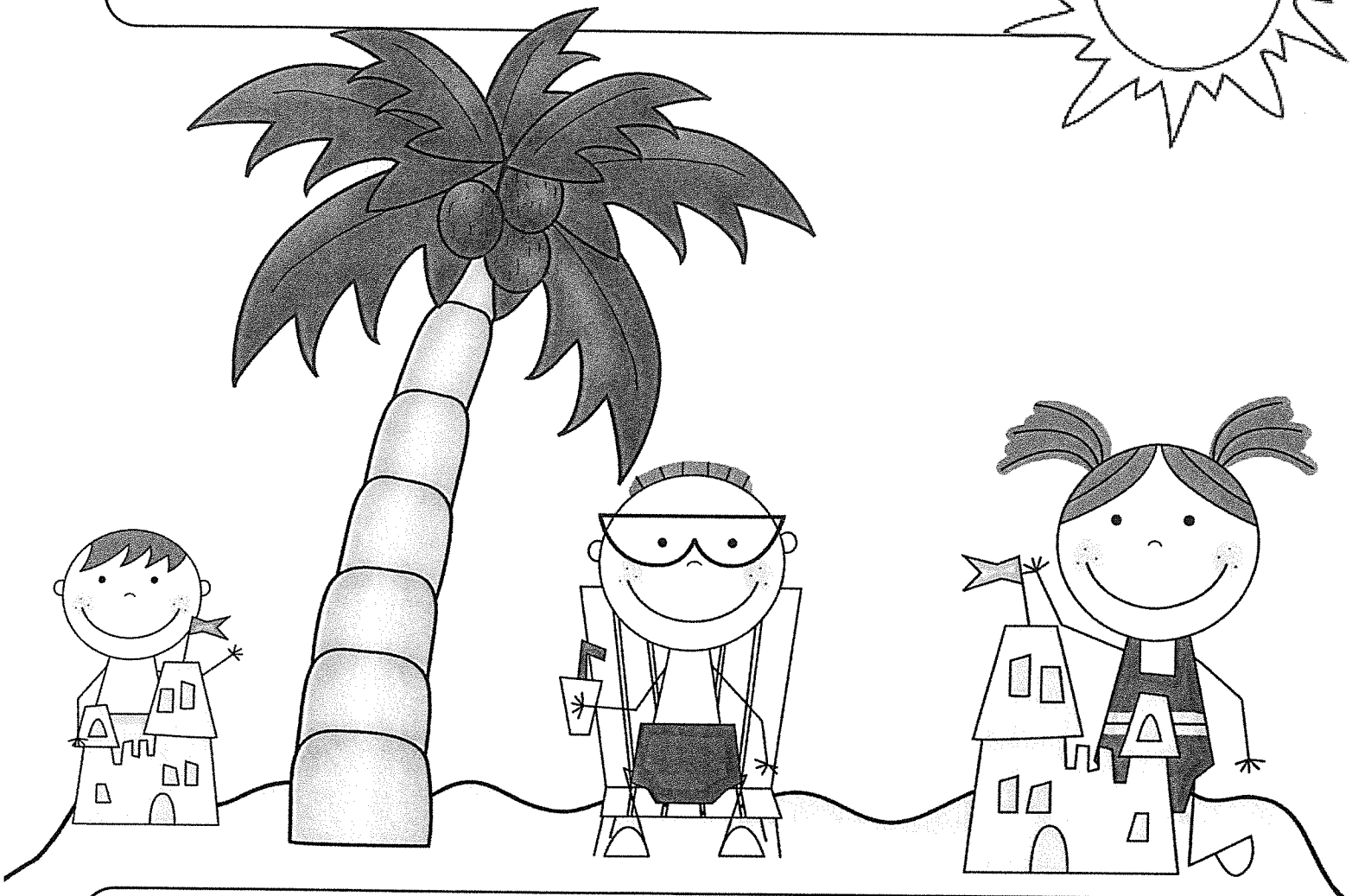
Fourth Grade

My Summer Math Packet

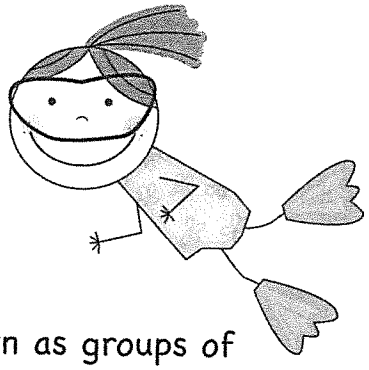


_____

Name

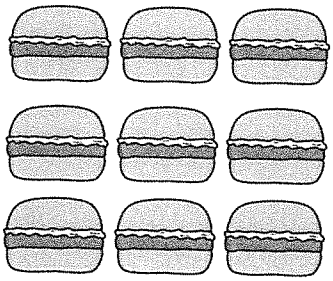
Objective

I can use arrays and groups of objects to represent multiplication sentences

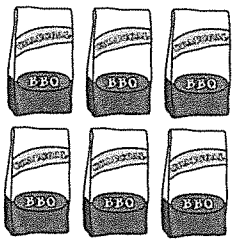


Operations and Algebraic Thinking

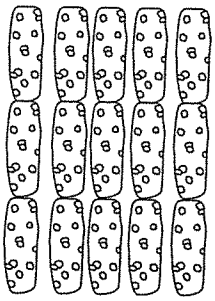
Directions: Multiplication can be shown as groups of objects. Look at the groups below and write the multiplication sentence for the arrays given.

1. 

____ x ____ = ____

2. 

____ x ____ = ____

3. 

____ x ____ = ____

Directions: Draw an array showing the groups and objects for the problems below.

4. Your family gathered at the park for a family reunion. Three of your aunts came, and each aunt had 4 children. How many children did your aunts bring?

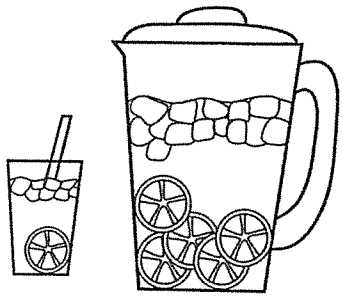
____ x ____ = ____

5. At the beach you found 4 sea stars. Each sea star had eight legs. How many legs did the sea stars you found have in total.

____ x ____ = ____

Objective

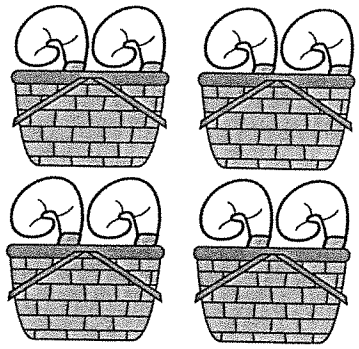
I can use arrays and groups of objects to show division as equal groups of a total.



Operations and Algebraic Thinking

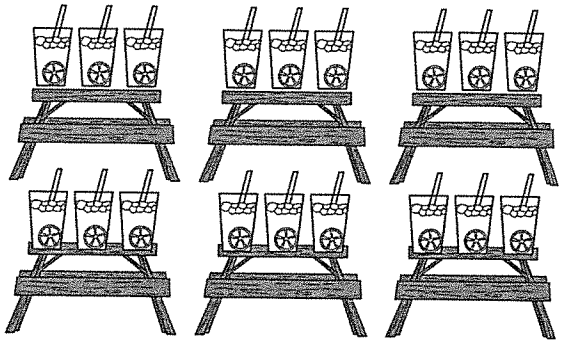
Directions: Division can be shown as groups of objects. Look at the groups below and write the division sentence for the arrays given.

1.



____ ÷ ____ = ____

2.

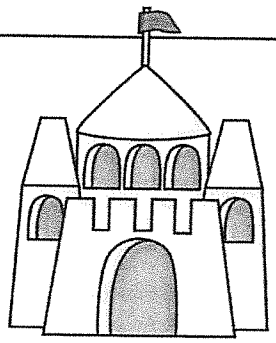


____ ÷ ____ = ____

3. Write and solve a word problem where there are a total of 54 objects that are separated into 9 equal groups.

Objective

I can multiply and divide within 100 without using manipulatives or arrays.



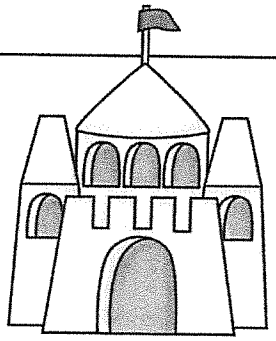
Operations and Algebraic Thinking

Directions: Solve the multiplication sentences below.

1. 4 x 4= _____
2. 5 x 3= _____
3. 4 x 7= _____
4. 5 x 1= _____
5. 4 x 8= _____
6. 5 x 9= _____
7. 1 x 7= _____
8. 2 x 6= _____
9. 3 x 0= _____
10. 9 x 8= _____
11. 6 x 3= _____
12. 4 x 9= _____
13. 7 x 6= _____
14. 7 x 4= _____
15. 8 x 9= _____
16. 7 x 8= _____
17. 1 x 2= _____
18. 9 x 4= _____
19. 4 x 2= _____
20. 1 x 3= _____
21. 8 x 4= _____
22. 6 x 9= _____
23. 5 x 2= _____
24. 7 x 9= _____
25. 6 x 6= _____
26. 3 x 4= _____
27. 6 x 8= _____

Objective

I can multiply and divide within 100 without using manipulatives or arrays.

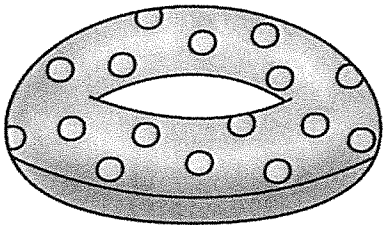


Operations and Algebraic Thinking

1. 5 x 4= _____
2. 7 x 3= _____
3. 2 x 4= _____
4. 7 x 2= _____
5. 2 x 2= _____
6. 3 x 3= _____
7. 0 x 9= _____
8. 1 x 8= _____
9. 2 x 9= _____
10. 7 x 9= _____
11. 8 x 3= _____
12. 3 x 6= _____
13. 8 x 6= _____
14. 0 x 7= _____
15. 2 x 5= _____
16. 5 x 5= _____
17. 6 x 0= _____
18. 5 x 4= _____
19. 6 x 7= _____
20. 9 x 3= _____
21. 8 x 7= _____
22. 9 x 7= _____
23. 4 x 6= _____
24. 0 x 4= _____
25. 9 x 9= _____
26. 5 x 2= _____
27. 6 x 5= _____

Objective

I can multiply and divide within 100 without using manipulatives or arrays.

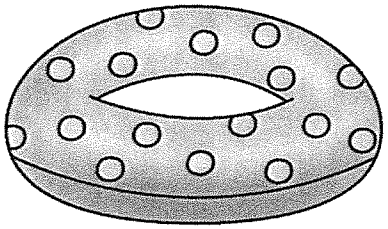


Operations and Algebraic Thinking

1. 50 ÷ 5= _____
2. 54 ÷ 9= _____
3. 42 ÷ 6= _____
4. 32 ÷ 8= _____
5. 12 ÷ 3= _____
6. 72 ÷ 6= _____
7. 12 ÷ 6= _____
8. 16 ÷ 4= _____
9. 12 ÷ 4= _____
10. 42 ÷ 7= _____
11. 18 ÷ 6= _____
12. 6 ÷ 3= _____
13. 35 ÷ 5= _____
14. 66 ÷ 6= _____
15. 4 ÷ 4= _____
16. 10 ÷ 5= _____
17. 4 ÷ 1= _____
18. 80 ÷ 10= _____
19. 30 ÷ 3= _____
20. 48 ÷ 6= _____
21. 70 ÷ 7= _____
22. 72 ÷ 9= _____
23. 8 ÷ 8= _____
24. 100 ÷ 10= _____
25. 18 ÷ 3= _____
26. 30 ÷ 6= _____
27. 50 ÷ 10= _____

Objective

I can multiply and divide within 100 without using manipulatives or arrays.

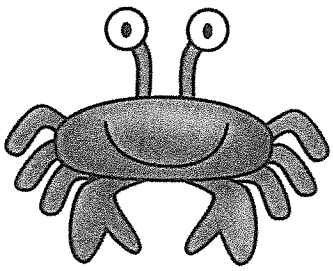


Operations and Algebraic Thinking

1. $10 \div 2 =$ _____
2. $32 \div 4 =$ _____
3. $63 \div 9 =$ _____
4. $28 \div 4 =$ _____
5. $24 \div 6 =$ _____
6. $30 \div 5 =$ _____
7. $60 \div 6 =$ _____
8. $90 \div 9 =$ _____
9. $24 \div 6 =$ _____
10. $9 \div 3 =$ _____
11. $20 \div 4 =$ _____
12. $24 \div 4 =$ _____
13. $14 \div 7 =$ _____
14. $21 \div 7 =$ _____
15. $10 \div 10 =$ _____
16. $60 \div 6 =$ _____
17. $18 \div 9 =$ _____
18. $80 \div 8 =$ _____
19. $30 \div 10 =$ _____
20. $27 \div 3 =$ _____
21. $72 \div 8 =$ _____
22. $8 \div 1 =$ _____
23. $25 \div 5 =$ _____
24. $24 \div 3 =$ _____
25. $16 \div 8 =$ _____
26. $36 \div 6 =$ _____
27. $14 \div 2 =$ _____

Objective

I can find the unknown whole number in a multiplication or division sentence.

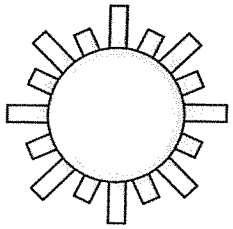


Operations and Algebraic Thinking

1. 5 x ___ = 10
2. 2 x ___ = 18
3. 36 ÷ ___ = 9
4. 48 ÷ ___ = 6
5. 6 x ___ = 42
6. 72 ÷ ___ = 9
7. ___ x 7= 56
8. ___ ÷ 6= 7
9. 4 x ___ = 36
10. ___ x 6= 36
11. 24 ÷ ___ = 4
12. 5 x ___ = 20
13. 6 ÷ ___ = 2
14. ___ x 8= 56
15. ___ ÷ 10= 9
16. 4 ÷ ___ = 2
17. 45 ÷ ___ = 9
18. ___ ÷ 3= 7
19. ___ ÷ 7= 4
20. 40 ÷ ___ = 5
21. 49 ÷ ___= 7
22. ___ x 3= 21
23. ___ x 5= 45
24. 24 ÷ ___= 8
25. 36 ÷ ___= 6
26. ___ x 9= 81
27. 7 x ___= 49

Objective

I can use place value to round whole numbers to the nearest 10 or 100.



Numbers and Operations in Base Ten

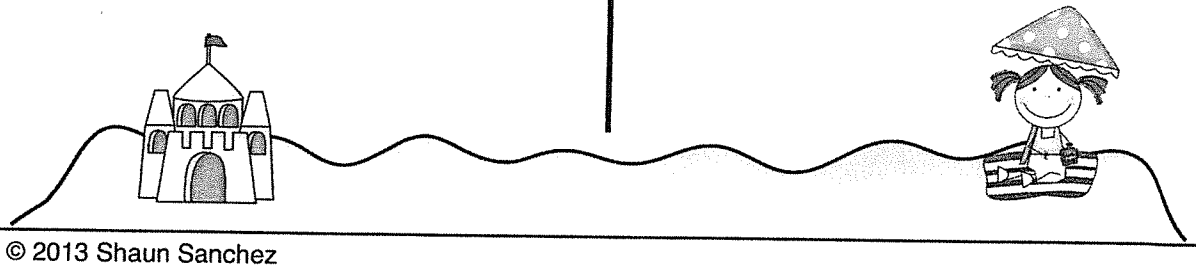
Directions: Use place value to round the numbers below to the nearest 10 or 100. Remember if the digit that follows the 10 or 100 is 5 or higher you will round up. If the digit is 4 or lower, the digit does not change.

Round the following numbers to the nearest 10.

1. 78 _____
2. 28 _____
3. 61 _____
4. 37 _____
5. 45 _____
6. 82 _____
7. 19 _____
8. 12 _____
9. 93 _____
10. 85 _____
11. 56 _____
12. 9 _____
13. 74 _____
14. 88 _____

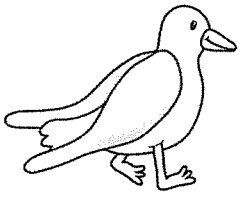
Round the following numbers to the nearest 100.

1. 436 _____
2. 826 _____
3. 681 _____
4. 214 _____
5. 346 _____
6. 890 _____
7. 99 _____
8. 743 _____
9. 987 _____
10. 105 _____
11. 313 _____
12. 444 _____
13. 550 _____
14. 313 _____



Objective

I can fluently add and subtract within 1,000.



Numbers and Operations in Base Ten

Directions: Add to find the sum.

1. 85 + 47=

2. 533 + 36=

3. 749 + 248=

4. 508 + 643=

5. 748 + 345=

6. 278 + 224=

7.
763
+ 859

8.
568
+ 224

9.
836
+ 545

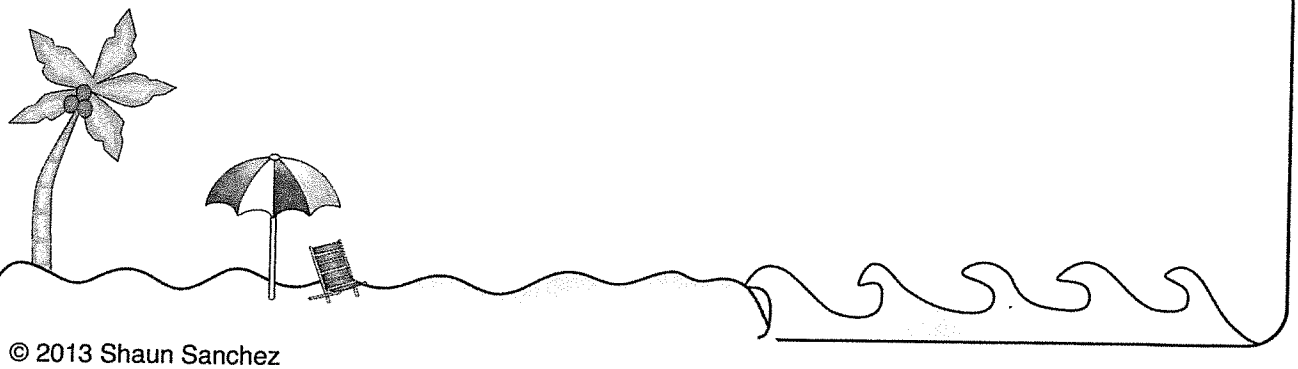
10.
2,176
+ 4,505

11.
3,288
+ 2,410

12.
6,049
+ 1,963

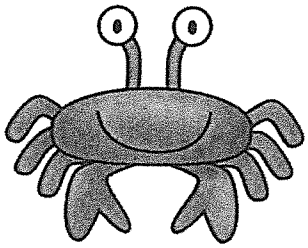
13.
6,246
+ 4,937

14.
396
420
+ 215



Objective

I can fluently add and subtract within 1,000.



Numbers and Operations in Base Ten

Directions: Subtract to find the difference.

1. 86 - 45=

2. 573 - 206=

3. 749 - 258=

4. 836 - 548=

5. 508 - 443=

6. 500 - 428=

7.
732
- 458

8.
621
- 257

9.
500
- 267

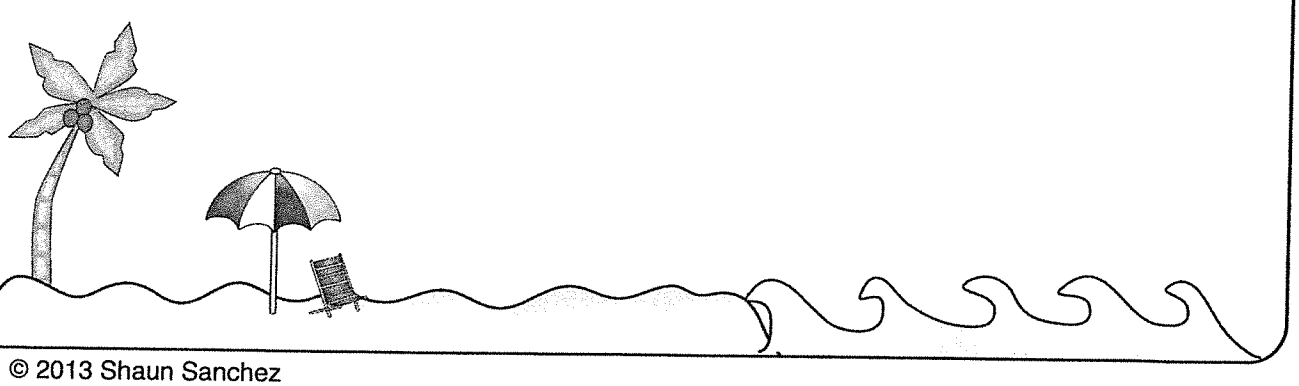
10.
634
- 479

11.
3,771
- 2,504

12.
3,288
- 1,490

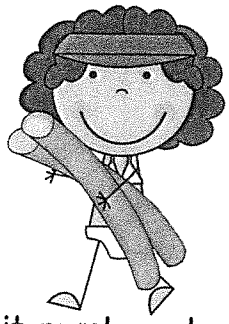
13.
6,004
- 1,739

14.
4,038
- 3,226



Objective

I multiply one-digit whole numbers by multiples of ten.



Numbers and Operations in Base Ten

Directions: Multiply the following one-digit numbers by the multiples of 10 below.

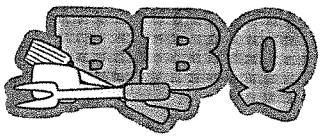
Example:
$$\begin{array}{r} 60 \\ \times\ 9 \\ \hline 540 \end{array}$$

I am looking at 60 times 9. I can use mental math to solve this problem. I know that 6 times 9 is 54, so 60 times 9 should must 540 since all I have to do is add a zero to the end.

60 x 9 =	70 x 6 =	20 x 7 =	90 x 2 =	30 x 5 =	80 x 3 =	60 x 5 =
50 x 4 =	40 x 8 =	10 x 5 =	60 x 8 =	60 x 7 =	20 x 4 =	80 x 8 =
70 x 9 =	50 x 3 =	90 x 6 =	30 x 9 =	10 x 4 =	70 x 7 =	40 x 3 =

Objective

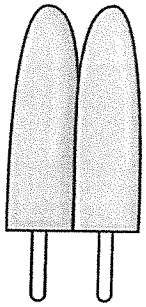
I can understand that a fraction is shown as equal parts of a whole.



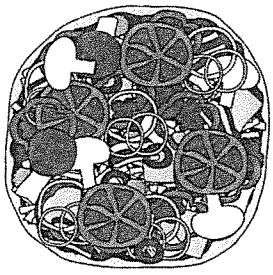
Numbers and Operations - Fractions

Directions: Partition, or divide, each whole into equal sized parts.

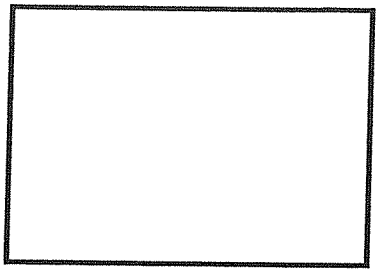
1. 2 parts



2. 3 parts

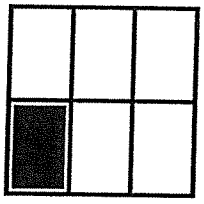


3. 4 parts



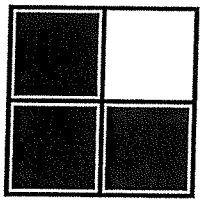
Directions: What fraction of the figures below are shaded?

4.



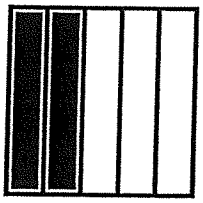
_____

5.



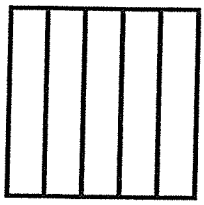
_____

6.

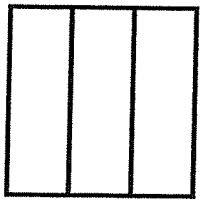


_____

7. Use the shape to show four-fifths

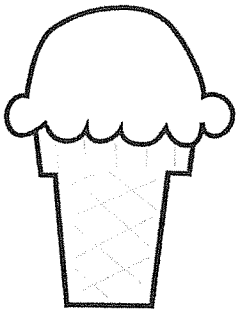


8. Use the shape to show two-thirds



Objective

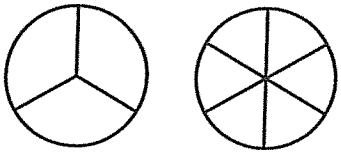
I can compare fractions, with denominators of 2,3,4,6 or 8 using visual models.



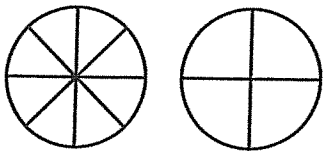
Numbers and Operations – Fractions

Directions: Compare the fractions using < > or =.

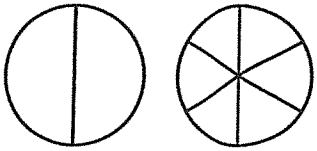
1. $\frac{1}{3} \square \frac{5}{6}$



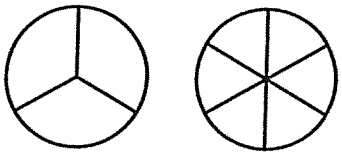
2. $\frac{5}{8} \square \frac{3}{4}$



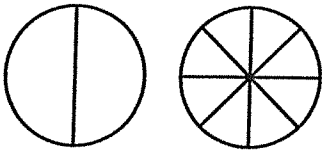
3. $\frac{1}{2} \square \frac{2}{6}$



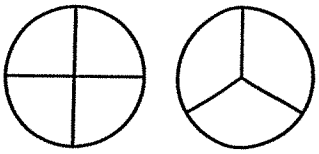
4. $\frac{2}{3} \square \frac{4}{6}$



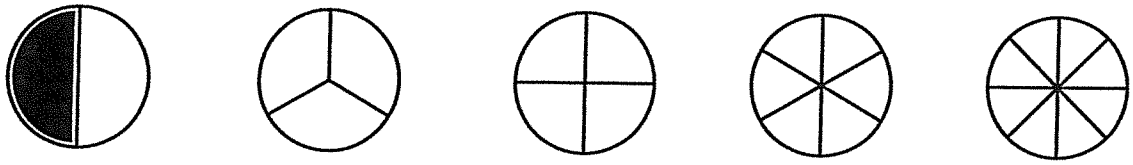
4. $\frac{2}{2} \square \frac{8}{8}$



4. $\frac{2}{4} \square \frac{2}{3}$



Directions: Use the fraction circles below to make as many fractions equivalent, or equal, to one-half. Can all of the circles be made equal to 1/2?



_____ _____ _____ _____

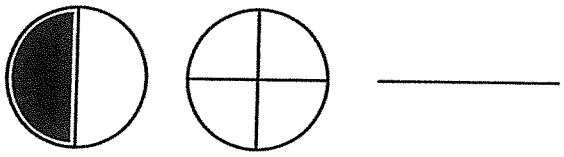
Objective

I can compare fractions, with denominators of 2,3,4,6 or 8 using visual models.

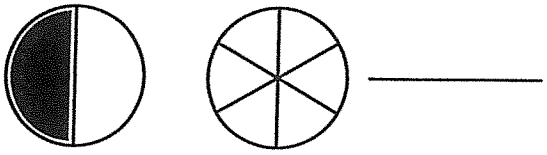
Numbers and Operations - Fractions

Directions: Use the fraction circles below to make as many fractions equivalent, or equal, to one-half.

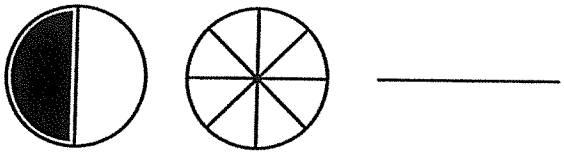
1. How many fourths are equal to one-half?



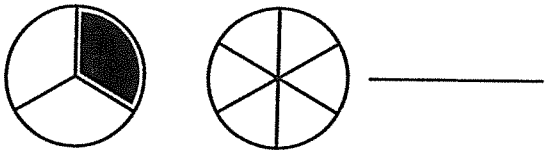
2. How many sixths are equal to one-half?



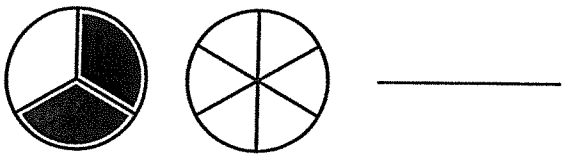
3. How many eighths are equal to one-half?



4. How many sixths are equal to one-third?



5. How many sixths are equal to two-thirds?



6. Complete the pattern for fractions equivalent to one-half.

$\frac{1}{2}$ $\frac{2}{4}$ $\frac{3}{6}$ $\frac{\quad}{8}$ $\frac{\quad}{10}$ $\frac{\quad}{12}$

Objective

I can recognize simple equivalent fractions with denominators of 2,3,4,6 or 8 using visual models.

Numbers and Operations – Fractions

Directions: Use the equivalent fractions from the previous page to assist, or help, you with the mystery picture below.

$\frac{3}{4}$	$\frac{5}{6}$	$\frac{4}{13}$	$\frac{6}{7}$	$\frac{2}{6}$	$\frac{1}{3}$	$\frac{4}{6}$	$\frac{1}{4}$	$\frac{2}{12}$	$\frac{1}{9}$
$\frac{2}{7}$	$\frac{2}{8}$	$\frac{2}{5}$	$\frac{3}{7}$	$\frac{3}{9}$	$\frac{4}{12}$	$\frac{2}{3}$	$\frac{4}{6}$	$\frac{2}{9}$	$\frac{2}{11}$
$\frac{3}{5}$	$\frac{1}{10}$	$\frac{2}{4}$	$\frac{5}{10}$	$\frac{4}{8}$	$\frac{3}{6}$	$\frac{5}{10}$	$\frac{4}{8}$	$\frac{3}{8}$	$\frac{1}{8}$
$\frac{1}{5}$	$\frac{6}{12}$	$\frac{4}{8}$	$\frac{3}{6}$	$\frac{6}{12}$	$\frac{2}{4}$	$\frac{6}{12}$	$\frac{2}{4}$	$\frac{3}{6}$	$\frac{2}{10}$
$\frac{3}{6}$	$\frac{2}{4}$	$\frac{5}{10}$	$\frac{1}{2}$	$\frac{4}{8}$	$\frac{6}{12}$	$\frac{3}{6}$	$\frac{8}{16}$	$\frac{4}{8}$	$\frac{5}{10}$
$\frac{4}{8}$	$\frac{1}{2}$	$\frac{3}{6}$	$\frac{5}{10}$	$\frac{2}{4}$	$\frac{5}{10}$	$\frac{7}{14}$	$\frac{6}{12}$	$\frac{3}{6}$	$\frac{9}{18}$
$\frac{6}{12}$	$\frac{3}{6}$	$\frac{6}{12}$	$\frac{1}{2}$	$\frac{6}{12}$	$\frac{3}{6}$	$\frac{4}{8}$	$\frac{5}{10}$	$\frac{9}{18}$	$\frac{6}{12}$
$\frac{2}{4}$	$\frac{6}{12}$	$\frac{1}{2}$	$\frac{4}{8}$	$\frac{1}{2}$	$\frac{5}{10}$	$\frac{10}{20}$	$\frac{8}{16}$	$\frac{2}{4}$	$\frac{8}{16}$
$\frac{6}{12}$	$\frac{5}{10}$	$\frac{2}{4}$	$\frac{1}{2}$	$\frac{3}{6}$	$\frac{9}{18}$	$\frac{3}{6}$	$\frac{6}{12}$	$\frac{10}{20}$	$\frac{4}{8}$
$\frac{3}{6}$	$\frac{1}{2}$	$\frac{4}{8}$	$\frac{6}{12}$	$\frac{7}{14}$	$\frac{4}{8}$	$\frac{5}{10}$	$\frac{1}{2}$	$\frac{8}{16}$	$\frac{2}{4}$
$\frac{1}{6}$	$\frac{2}{4}$	$\frac{5}{10}$	$\frac{3}{6}$	$\frac{6}{12}$	$\frac{2}{4}$	$\frac{6}{12}$	$\frac{4}{8}$	$\frac{5}{10}$	$\frac{1}{7}$

Color fractions equal to:

$\frac{1}{2}$ Red $\frac{1}{3}$ Brown $\frac{2}{3}$ Green