Miss Robinson's Maths Group Homework

Spring Week 1

Remember to set your work out clearly and write in pencil.

Please try all questions.

Please DO NOT print any of this homework. Write answers directly into your Homework Book and include any working out.

Arithmetic Warm Up

LI: to be able to multiply and divide integers by 10, 100 and 1000

This is revision from last year and I am sure that many of you remember these lessons.

Example: 125 x 100 = 12 500 *Each digit has moved 2 places to the left.*

2 794 ÷ 10 = 279·4 *Each digit has moved 1 place to the right.*

Arithmetic Warm Up

LI: to be able to multiply and divide integers by 10, 100 and 1000

1. 225 x 100 =
2. 88 x 1000 =
3. 6 214 ÷ 10 =
4. 1 302 x 100 =
5. 8 905 ÷ 100 =
6. 12 065 ÷ 1000 =
7. 112 x 100 =
8. 365 x 1000 =
9. 25 681 ÷ 100 =
10. 17 986 ÷ 10 =
11. 37·5 x 10 =
12. 26·15 ÷ 10 =
13. 4·4 x 100 =
14. 1·49 x 10 =
15. 27·5 ÷ 10 =
16. 16·8 ÷ 10 =

LI: to be able to multiply fractions

From last term's lessons, remember that $\frac{3}{8} \times \frac{4}{5} = \frac{12}{40}$ $\frac{3 \times 4}{8 \times 5}$

We simple multiply the two numerators then multiply the two denominators.

$\frac{1}{2} \times \frac{2}{3} = \frac{2}{6}$ $\frac{1 \times 2}{2 \times 3}$

Calculate the following. Give your answer in the simplest form.

1. $\frac{3}{4} \times \frac{1}{3} =$

2. $\frac{1}{2} \times \frac{2}{3} =$

3. $\frac{2}{5} \times \frac{1}{3} =$

4. $\frac{7}{12} \times \frac{2}{3} =$

5. $\frac{4}{5} \times \frac{1}{6} =$

6. $\frac{1}{4} \times \frac{5}{7} =$

7. $\frac{3}{8} \times \frac{4}{5} =$

8. $\frac{4}{9} \times \frac{1}{4} =$

9. $\frac{5}{6} \times \frac{3}{8} =$

10. $\frac{2}{5} \times \frac{5}{9} =$

Calculate the following. Give your answer in the simplest form.

1. $\frac{5}{8} \times \frac{1}{3} =$

2. $\frac{1}{2} \times \frac{2}{3} =$

3. $\frac{6}{11} \times \frac{4}{7} =$

4. $\frac{1}{12} \times \frac{2}{3} =$

5. $\frac{4}{25} \times \frac{1}{6} =$

6. $\frac{3}{4} \times \frac{17}{18} =$

7. $\frac{3}{8} \times \frac{4}{5} =$

8. $\frac{4}{9} \times \frac{1}{4} =$

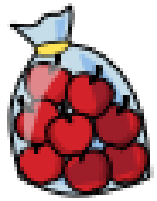
9. $\frac{1}{6} \times \frac{3}{7} =$

10. $\frac{1}{20} \times \frac{2}{3} =$

LI: to be able to describe ratios

Complete the sentences to describe the fruit.





For every _____ pears, there are _____ bananas.

For every _____ pears, there are _____ apples.

For every 2 cups, there are _____ glasses.

For every cup there are _____ glasses.

LI: to be able to describe ratios

There are 3 kites for every 4 balloons.

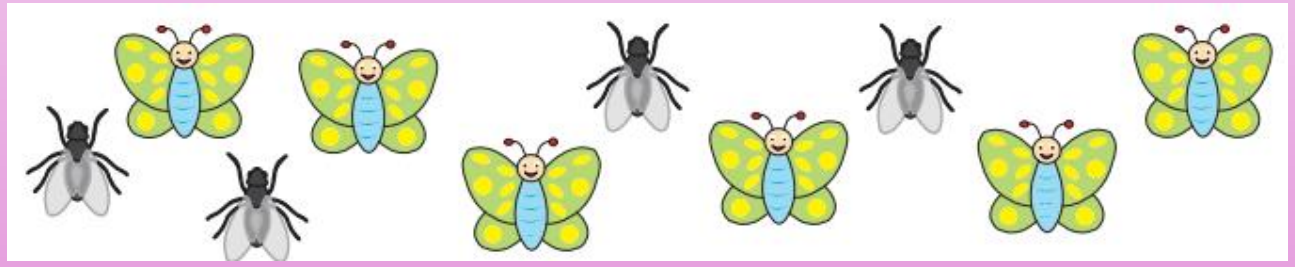
kites : balloons

3 : 4

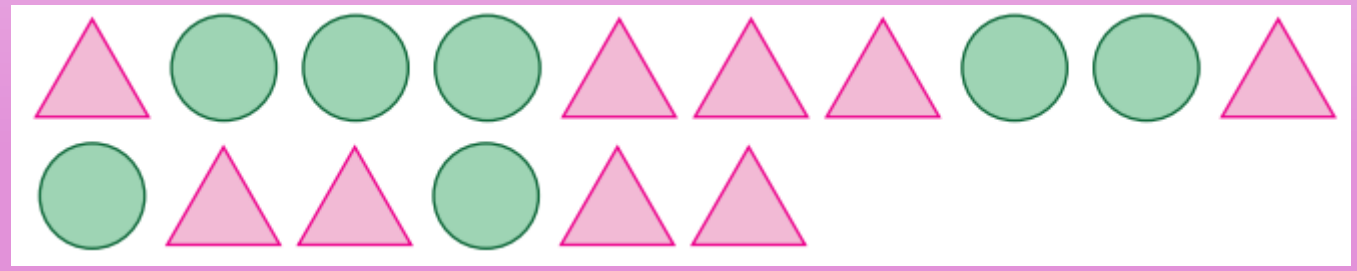
LI: to be able to describe ratios

pears : apples

elephants : lions



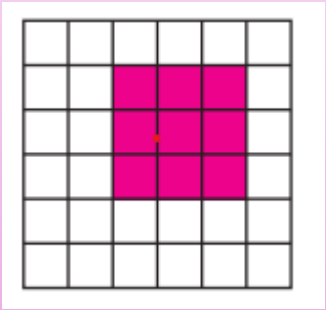
flies : butterflies



triangles : circles

LI: to be able to describe ratios

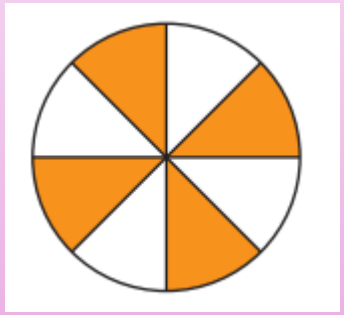
Find the ratio of the shaded and unshaded parts

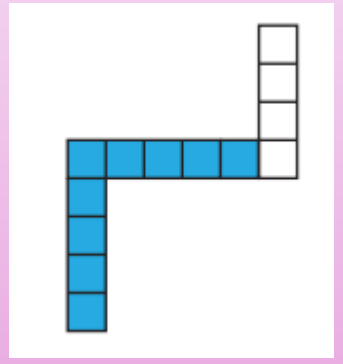


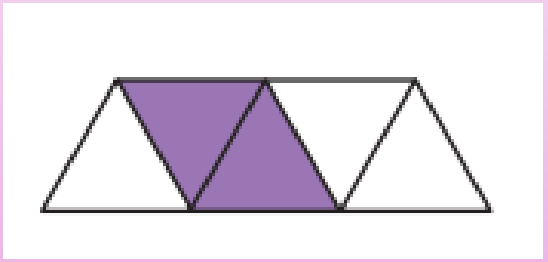
1. Count the shaded squares = 9
2. Count the unshaded squares squares are shaded = 27
3. Write the ratio shaded : unshaded
   9 : 27
4. Can I simplify the answers? 9 and 27 are both multiples of 9 so ....
   9 : 27 = 1 : 3

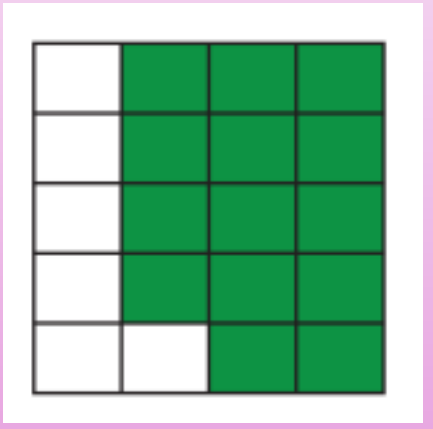
LI: to be able to describe ratios

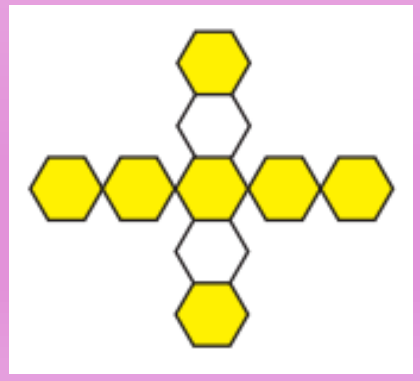
Find the ratio of the shaded and unshaded parts

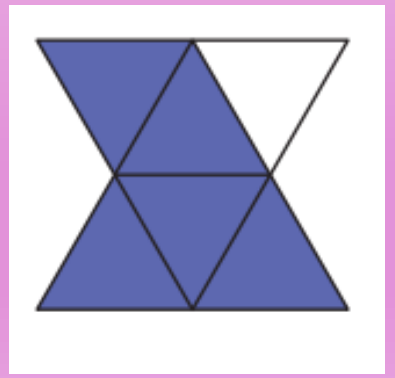
1. 

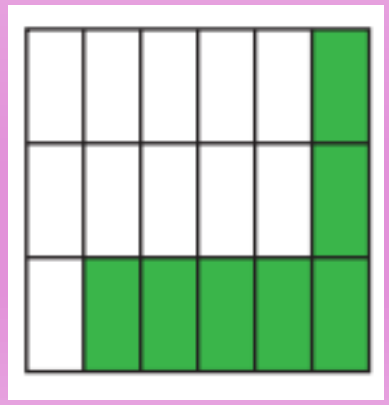
2. 

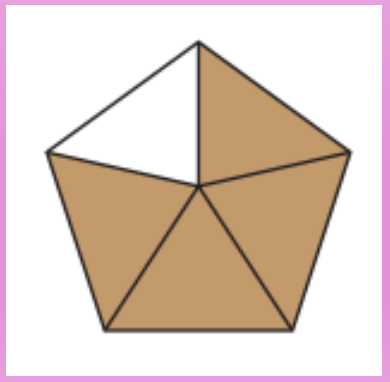
3. 

4. 

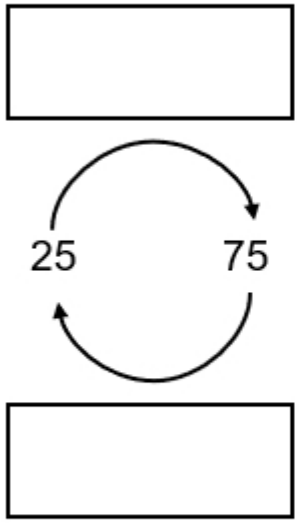
5. 

6. 

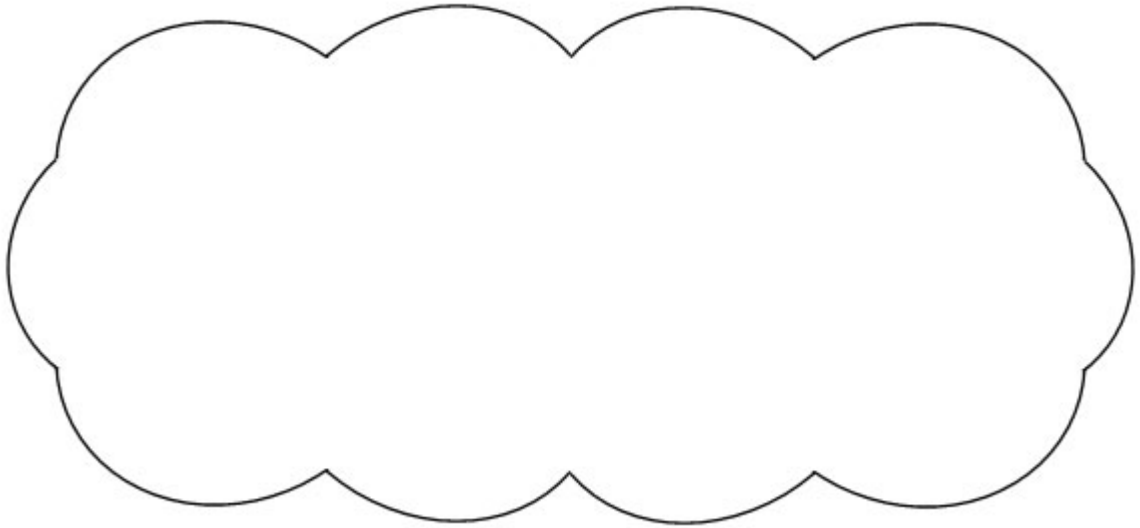
7. 

8. 

Write an expression in each box to show the relationship between numbers 25 and 75.



Explain your answer.



Is there more than one way to answer this question?

Giya is planting flowers in her garden.

For every **5** red flowers she plants, she plants **3** yellow flowers.

If Giya plants **18** yellow flowers, how many red flowers does she plant?

Remember to bring any questions about the work into Monday's lesson.

Have a wonderful weekend!