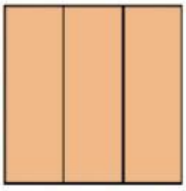
FRACTIONS

Revision worksheet

Name: Grade **: IV**

Determine which letter best describes the shaded portion.

1)

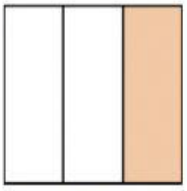


A. three-thirds
B. one half
C. two quarters

2)

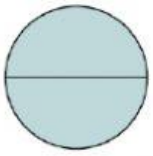
A. two halves
B. one half
C. one-fourth

3)



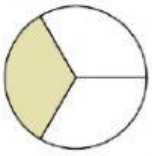
A. one quarter
B. one-third
C. three quarters

4)



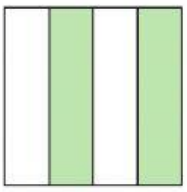
A. one half
B. two-fourths
C. two halves

5)



A. one-third
B. two-thirds
C. two quarters

6)



A. two quarters
B. two halves
C. one-third

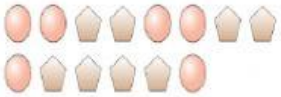
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

(USE '/' TO REPRESENT IN FRACTION)

1) Express the stars as a fraction of the entire set.

2) Express the circles as a fraction of the entire set.

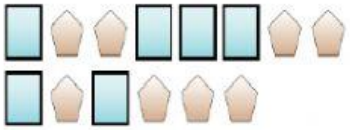


3) Express the triangles as a fraction of the entire set.

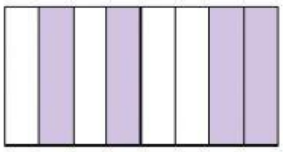
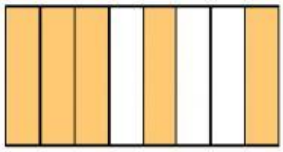
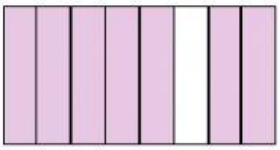
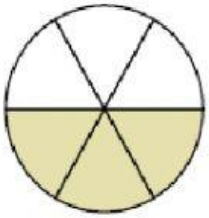
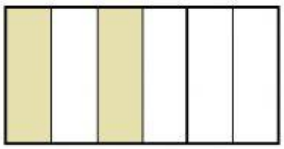
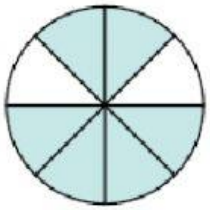
4) Express the hearts as a fraction of the entire set.

5) Express the stars as a fraction of the entire set.

Express the squares as a fraction of the entire set.

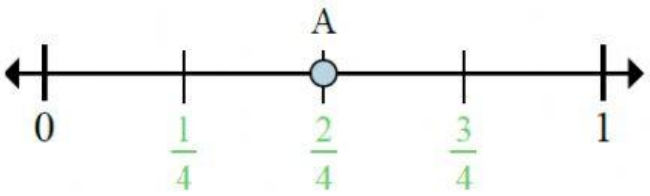


Write the shaded amount as a fraction of the whole amount: **(USE '/' TO REPRESENT IN FRACTION)**

1) 	2) 	3) 
4) 	5) 	6) 

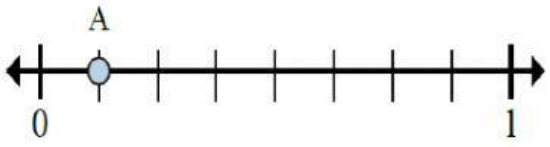
Identify the fraction of the letter in each of the questions: (An example is done for you)

(USE '/' TO REPRESENT IN FRACTION)



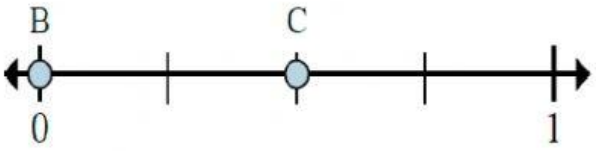
Ex) This numberline is divided into how many pieces?

Ex) What is the location of A (written as a fraction)?



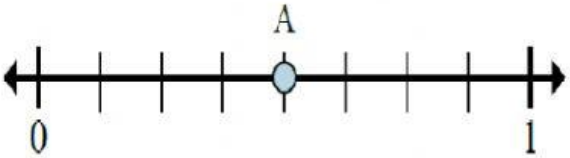
1a) This numberline is divided into how many pieces?

1b) What is the location of A (written as a fraction)?



2a) On this numberline what is the value of 0 written as a fraction?

2b) On this numberline from B to C is how far (written as a fraction)?

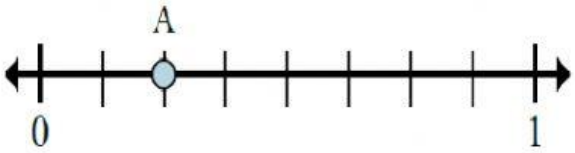


3a) This numberline is divided into how many pieces?

3b) What is the location of A (written as a fraction)?

4a) On this numberline what is the value of 0 written as a fraction?

4b) On this numberline from B to C is how far (written as a fraction)?



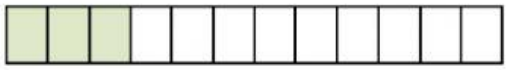
5a) This numberline is divided into how many pieces?

5b) What is the location of A (written as a fraction)?

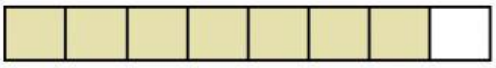
Match each equation to answer and write the answer.

1) $\frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12}$

2) $\frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12}$



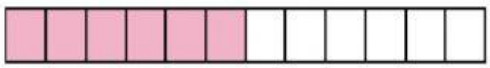
3) $\frac{1}{3} + \frac{1}{3}$



4) $\frac{1}{12} + \frac{1}{12} + \frac{1}{12}$

5) $\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}$

6) $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$



Determine which letter best represents the sum.

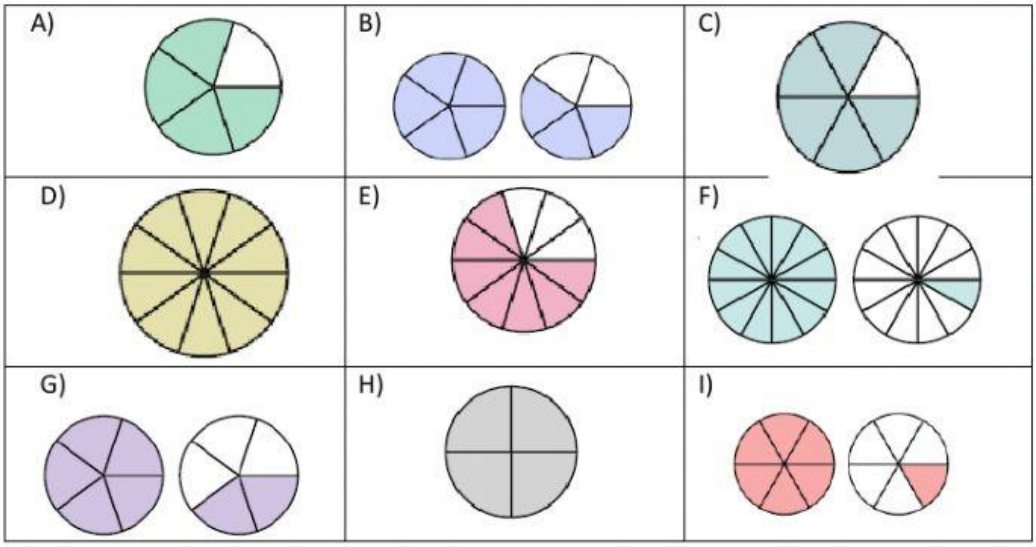
1) $\frac{1}{5}+\frac{3}{5}$ 2) $\frac{2}{12}+\frac{11}{12}$ 3) $\frac{6}{10}+\frac{4}{10}$

4) $\frac{1}{6}+\frac{4}{6}$ 5) $\frac{1}{4}+\frac{3}{4}$ 6) $\frac{4}{5}+\frac{4}{5}$

7) $\frac{2}{6}+\frac{5}{6}$ 8) $\frac{3}{10}+\frac{4}{10}$ 9) $\frac{3}{5}+\frac{4}{5}$

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____



Choose the answers from the options: The answers can be in mixed or improper fraction. Solve to find the right answer and place them accordingly.

$\frac{13}{4}$	$13\frac{3}{4}$	$8\frac{2}{3}$	$2\frac{1}{9}$	$\frac{12}{2}$	$1\frac{3}{4}$	$14\frac{1}{6}$	$4\frac{3}{9}$	$1\frac{4}{6}$

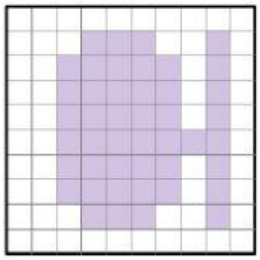
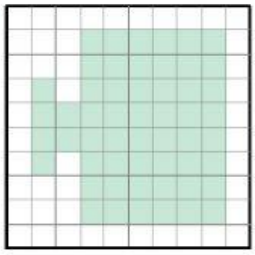
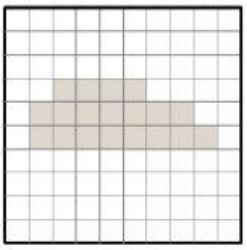
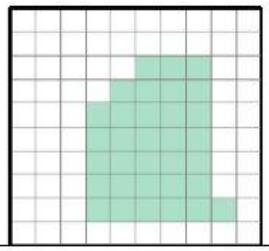
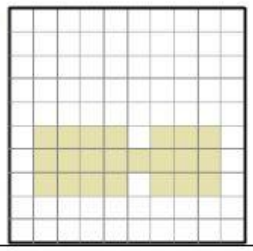
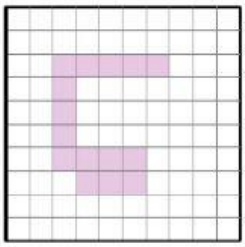
a) $7\frac{1}{2} - 1\frac{1}{2} =$	b) $9\frac{1}{4} + 4\frac{2}{4}$	c) $4\frac{2}{6} + 9\frac{5}{6}$
d) $8\frac{2}{6} - 6\frac{4}{6}$	e) $4\frac{1}{3} + 4\frac{1}{3}$	f) $3\frac{1}{4} + 0$
g) $1\frac{3}{4} - 0$	h) $3\frac{2}{9} - 1\frac{1}{9}$	i) $3\frac{2}{9} + 1\frac{1}{9}$

(USE '/' TO REPRESENT IN FRACTION)

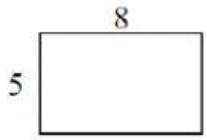
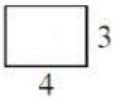
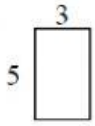
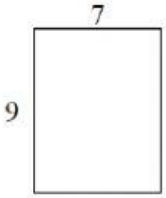
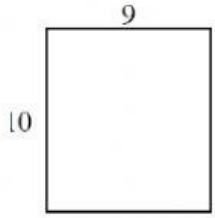
Solve the application questions in fractions:	
Robin bought a bamboo plant that was $9\frac{4}{5}$ feet high. After a month it had grown another $3\frac{1}{5}$ feet. What is the total height of the plant after a month?	
The operation to be done is :	Ans :
Gwen had $7\frac{1}{7}$ cups of flour. If she used $3\frac{5}{7}$ cups baking, how much flour did she have left?	
The operation to be done is :	Ans :

In December it snowed $9\frac{1}{10}$ inches. In January it snowed $5\frac{2}{10}$ inches. What is the combined amount of snow for December and January?	
The operation to be done is :	Ans :

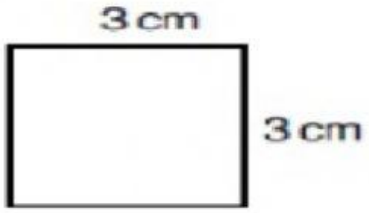
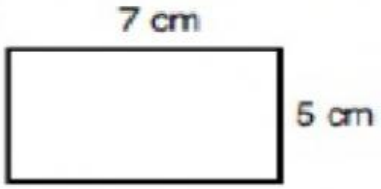
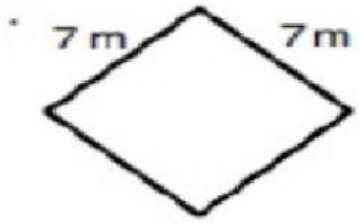
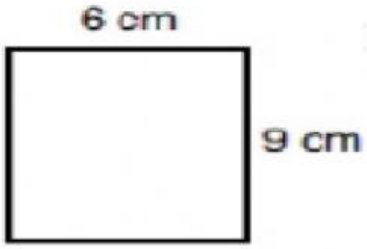
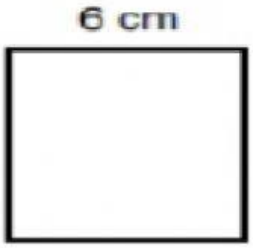
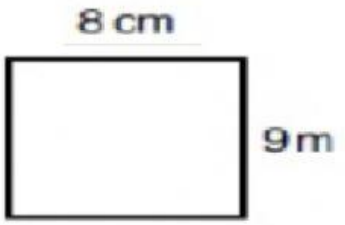
Find the perimeter of each shaded section. Each block is 1 square unit (u).

1) 	2) 	3) 
Perimeter = _____ units	Perimeter = _____ units	Perimeter = _____ units
4) 	5) 	6) 
Perimeter = _____ units	Perimeter = _____ units	Perimeter = _____ units

Find the area of each figure. Each figure is in centimetres (cm). Not to scale.

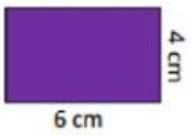
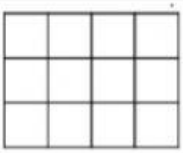
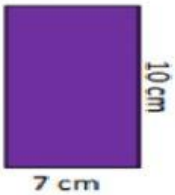
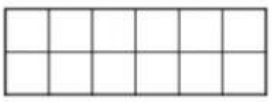
			Answers (in sq units)
1) 	**2)** 	**3)** 	1) 2) 3)
4) 	**5)** 	**6)** 	4) 5) 6)

Choose the correct answers from the options given below:

72 sq m	35 sq cm	54 sq cm	36 sq cm	9 sq cm	49 sq m

Calculate the area(in sq units) and perimeter(in units)of the following shapes:

a) 	b) 	c) 
Perimeter = _____ cm	Perimeter = _____ cm	Perimeter = _____ units
Length =_____ cm Breadth = _____ cm Area = _____ sq cm	Length =_____ cm Breadth = _____ cm Area = _____ sq cm	Length =_____ units Breadth = _____ units Area = _____ sq units
d) 	e) 	f) 
Perimeter = _____ cm	Perimeter = _____ cm	Perimeter = _____ units
Length =_____ cm	Length =_____ cm	Length =_____ units

Breadth = _____ cm Area = _____ sq cm	Breadth = _____ cm Area = _____ sq cm	Breadth = _____ units Area = _____ sq units

Application questions in Area and Perimeter: Write YES for the correct answer:

a)

Taylor needs to know the area of her house. Her house is a rectangle. The sides are 20 feet and 30 feet long. What is the area?

a. 50 sq feet _____

b. 600 sq feet _____

c. 200 sq feet _____

b)

. Billy just got a new car. He needs to figure out if it will fit in his garage. To do that, he has to know the area of his garage. His garage is 22 feet long and 10 feet wide. What is the area?

a. 220 sq feet _____

b. 32 sq feet _____

c. 64 sq feet _____