



Suitable for students

GRADES

aged 8-10

## Helping With Math

## Subtraction of Proper Fractions

This pack is suitable for learners aged 8-10 years old or 4th and 5th graders (USA). The content covers fact files and relevant basic and advanced activities involving subtraction of proper fractions.



Proper Fraction is a type of fraction whose numerator is always less than the denominator.

#### Numerator < Denominator

**Example of Proper Fraction** 



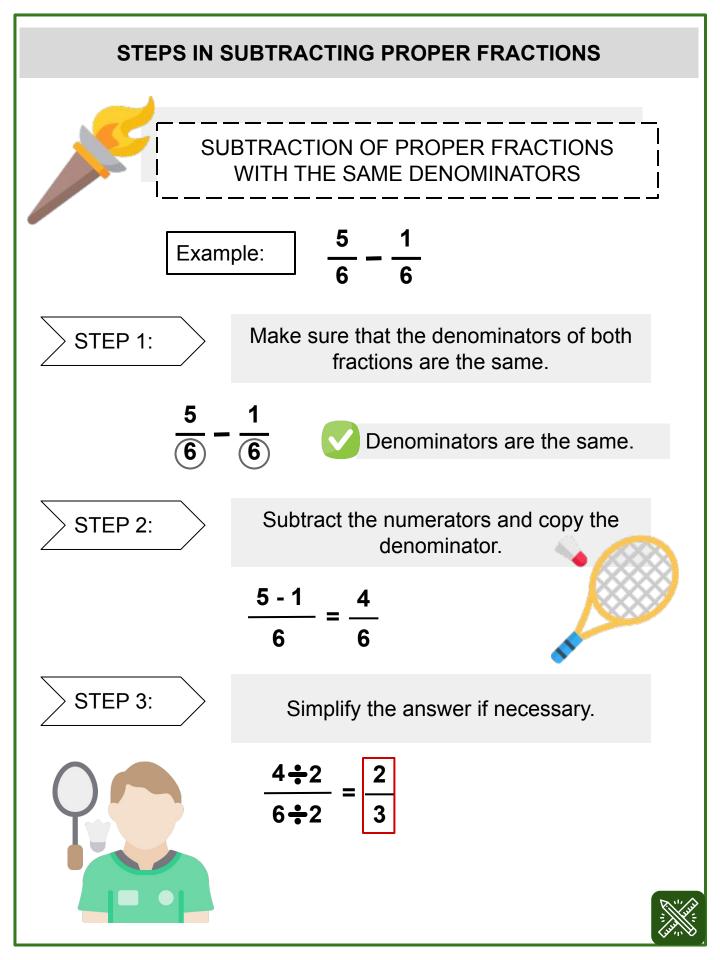


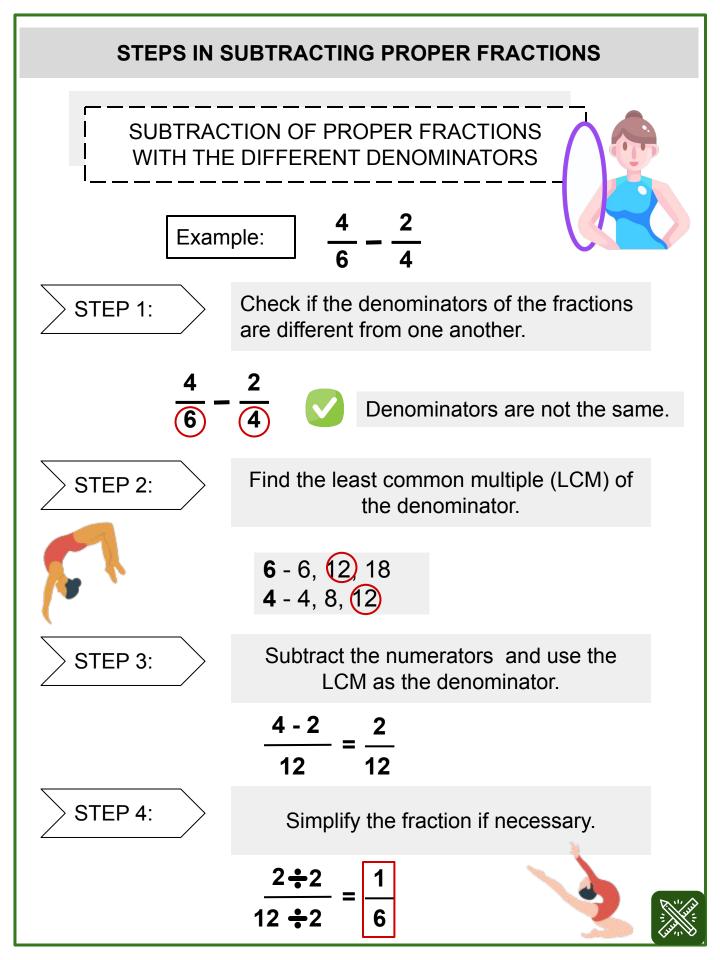




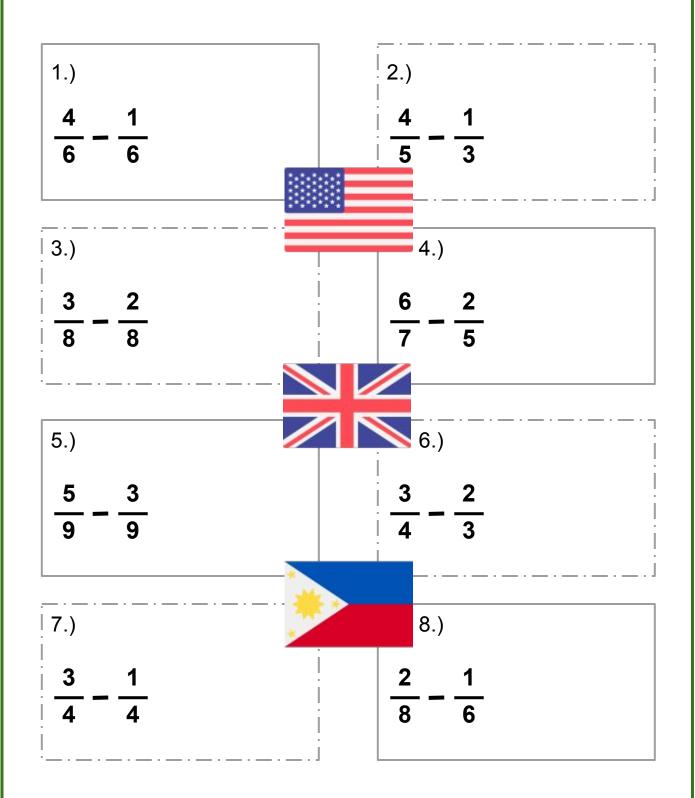








#### LET'S PRACTICE!





#### TABLE OF ACTIVITIES

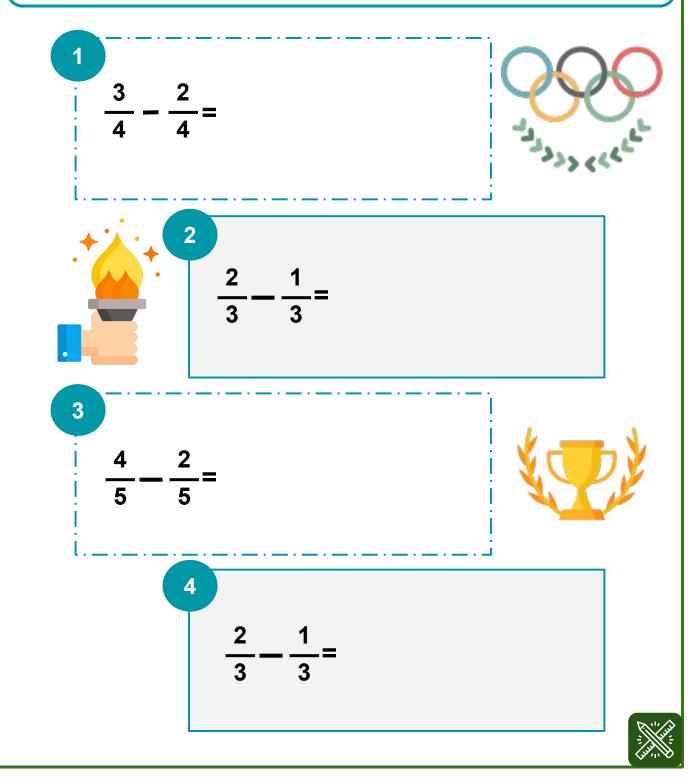
	Ages 8-9 (Basic)	<u>4th Grade</u>
1	Opening Ceremony	
2	Olympic Games 2020	
3	Table Tennis	
4	Weightlifting	
5	Fencing Equipment and Gear	
Ages 9-10 (Advanced) <u>5th Grade</u>		
6	Let's Play Basketball	
7	Swimming Competition	
8	Archery Training	
9	Boxing Gloves	
10	Entry Tickets	



#### **OPENING CEREMONY**

G4 Basic

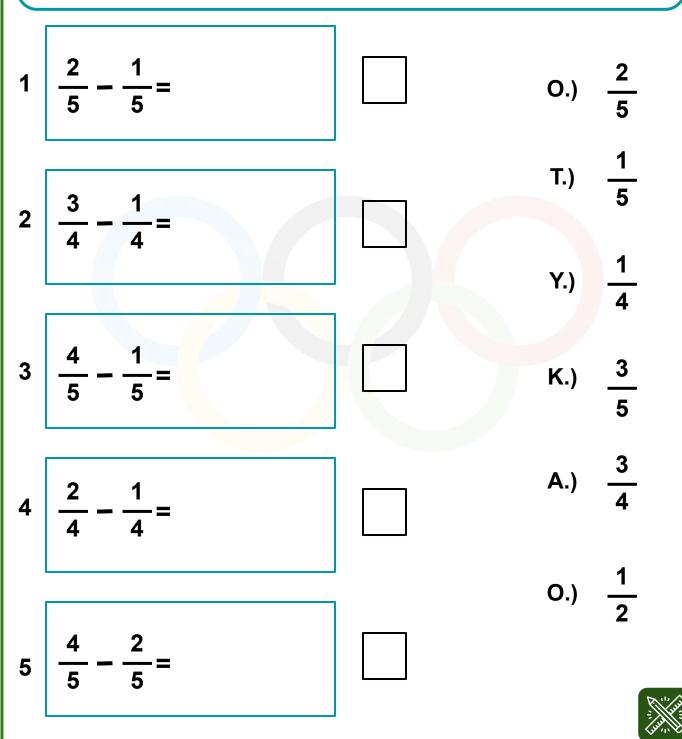
The opening ceremony of the Olympic Games will be held next week. To watch the ceremony, subtract the following proper fractions. Show your solution on the space provided.



G4

Basic

Where is the venue of Olympic Games 2020? To know the answer, subtract the following proper fractions. Write the letter of your answer inside the box and show your solutions on the space provided.



#### **TABLE TENNIS**



To be able to join the table tennis competition, answer the following word problems. State whether the statement is true or false. Show your solution to prove your answer.

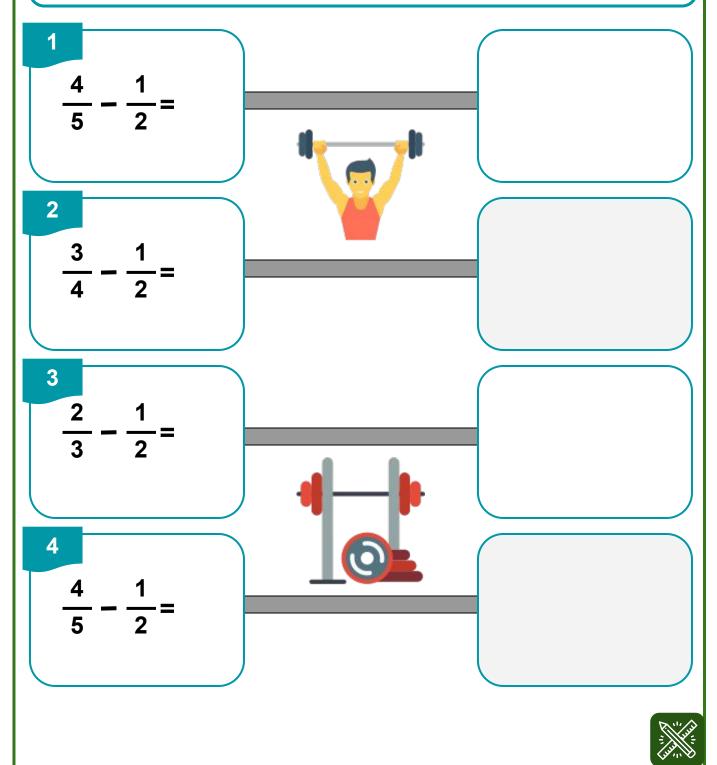
STATEMENT	TRUE/FALSE	SOLUTION
1.) When we subtract $\frac{1}{4}$ from 3/4, the answer is $\frac{1}{2}$ .		
2.) The difference of % and ½ is ¾ .		
3.) When we subtract $\frac{1}{3}$ from 2/3, the answer is $\frac{1}{3}$ .		
4.) When we subtract % from % , the answer is % .		
5.) The difference of $\frac{3}{4}$ and $\frac{1}{4}$ is $\frac{1}{4}$ .		



#### WEIGHTLIFTING

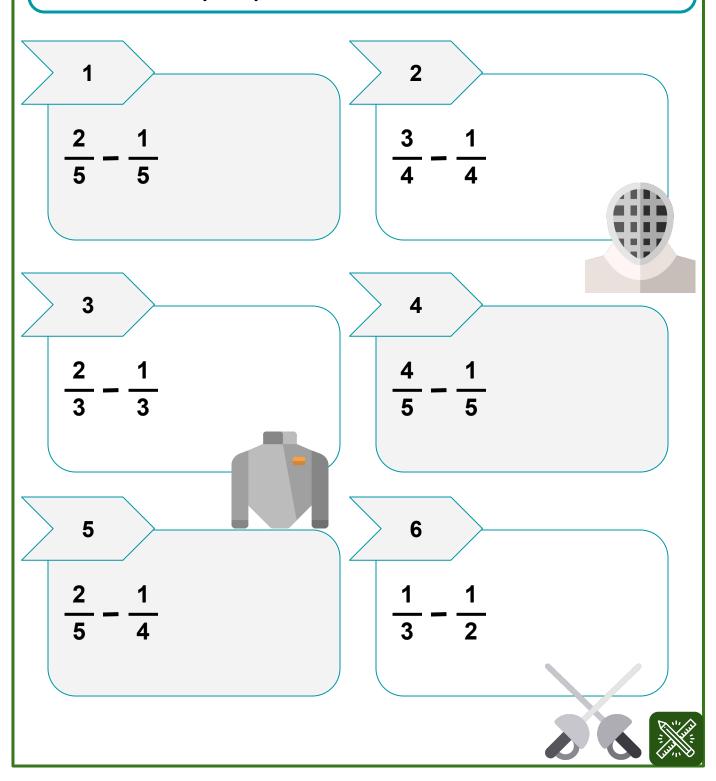


Train for the weightlifting competition by answering the following. Find the difference of the following proper fractions. Write your answers and solutions on the space provided.

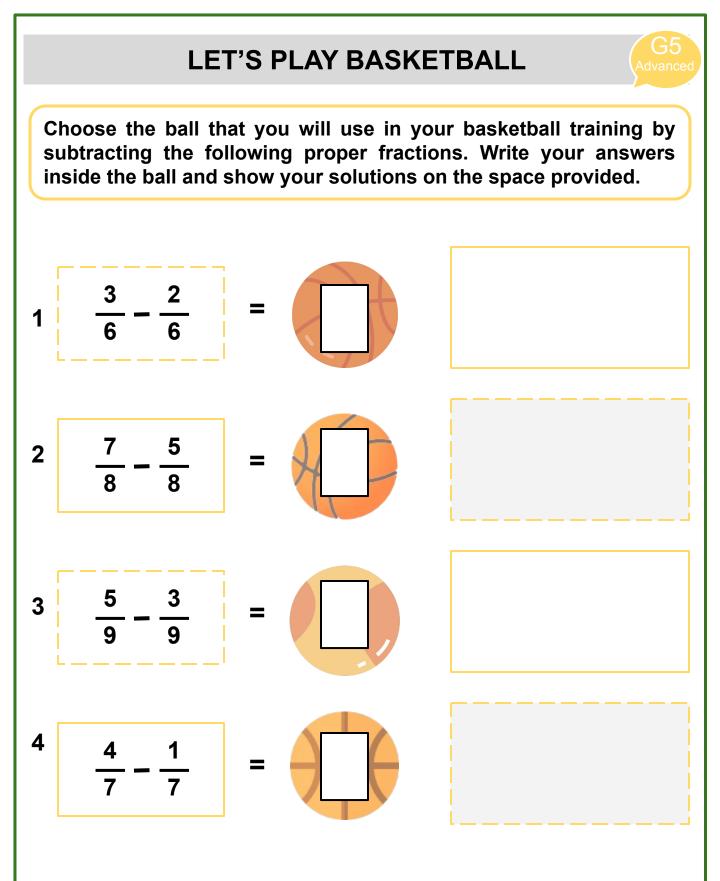


#### FENCING EQUIPMENT AND GEAR

The fencing equipment and gear below will be yours if you managed to subtract the following proper fractions. Show your solution on the space provided.



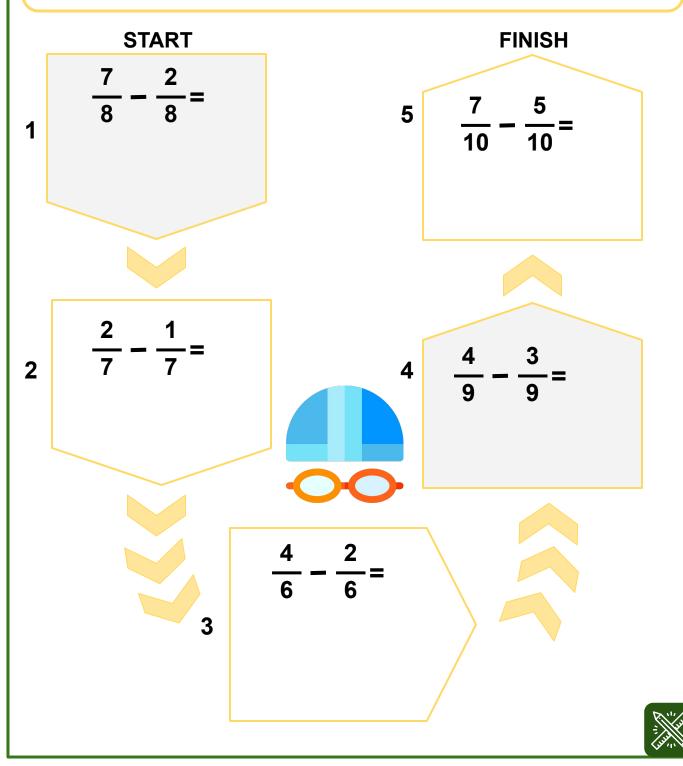






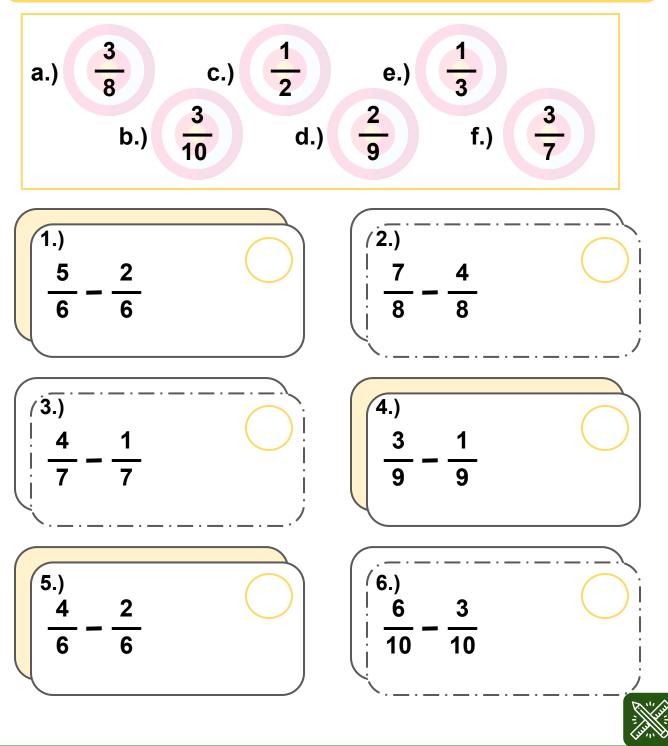
#### **SWIMMING COMPETITION**

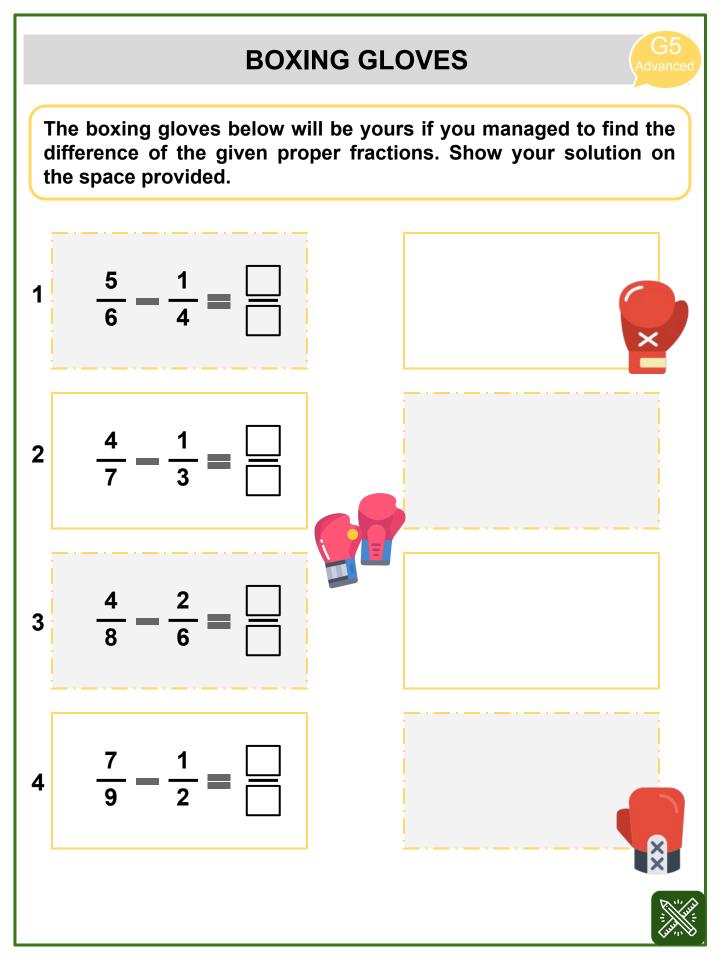
It's your swimming competition day! Answer the following until you reach the finish line. Write your solution on the space provided.



#### **ARCHERY TRAINING**

Archery is one of the events in the olympic games. Train your archery skills by answering the following. Subtract the given proper fractions below. Write the letter of your answer inside the circle and show your solution on the space provided.





#### **ENTRY TICKETS**



The Olympics Games 2021 is fast approaching. To get free tickets to the games, solve the following word problems. Show your solution on the space provided.



1.) Anna plans to make a banner for her volleyball team. She bought 8/9 yards of cloth but she just used 6/9 yards. How many yards of cloth were left?

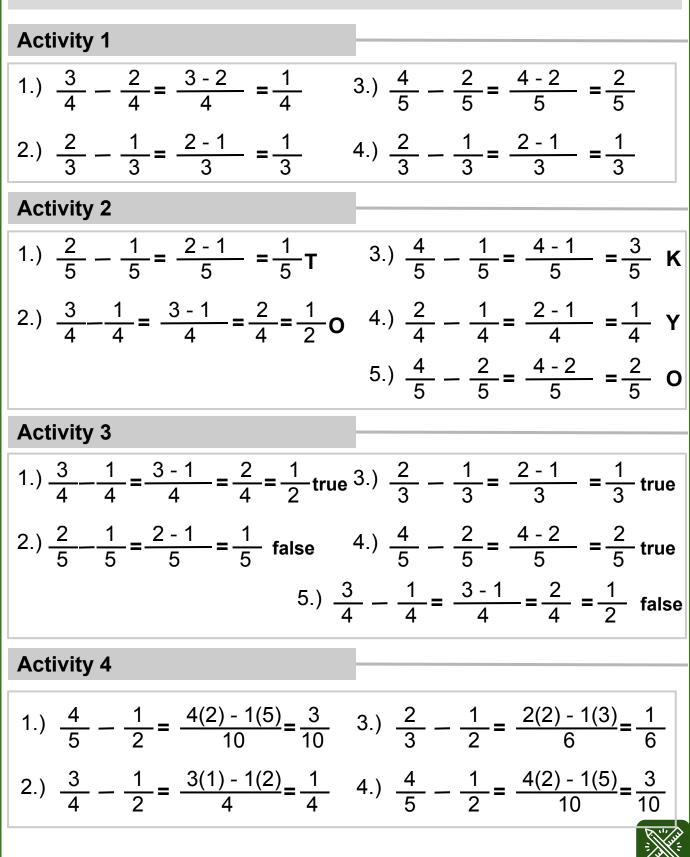
2.) Kelvin needs to jog for 7/8 hours as part of his daily training but he just jogged for <sup>5</sup>/<sub>8</sub> hours. How many more hours does he still need to jog?

3.) Gina is an athlete and her nutritionist advised that she should eat  $\frac{3}{4}$  of watermelon a day. If she already ate  $\frac{1}{2}$  today, what fraction of the watermelon should she eat?





#### **ANSWER GUIDE**

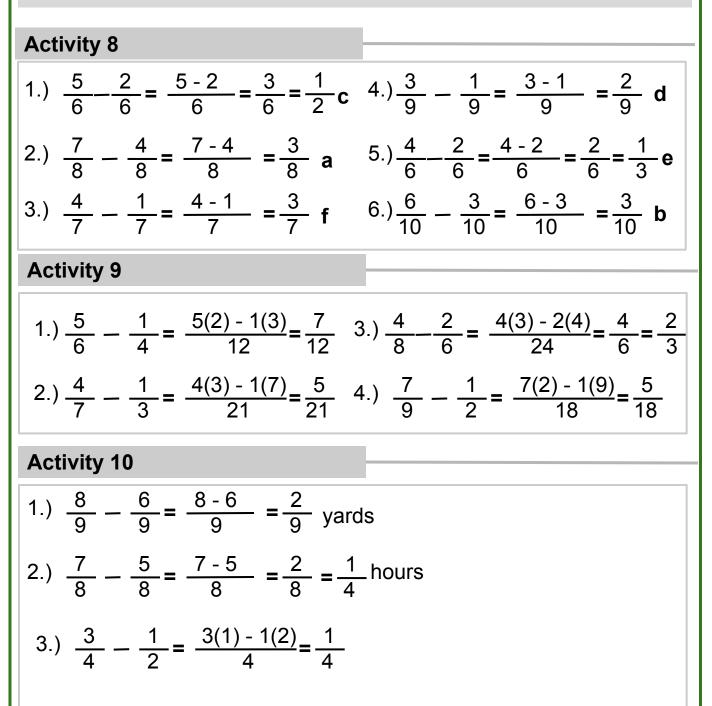


#### **ANSWER GUIDE**

# **Activity 5** 1.) $\frac{2}{5} - \frac{1}{5} = \frac{2 - 1}{5} = \frac{1}{5}$ 4.) $\frac{4}{5} - \frac{1}{5} = \frac{4 - 1}{5} = \frac{3}{5}$ $2.)\frac{3}{4} - \frac{1}{4} = \frac{3 - 1}{4} = \frac{2}{4} = \frac{1}{2} = \frac{5}{2} = \frac{1}{2} = \frac{1}{4} = \frac{2(4) - 1(5)}{20} = \frac{3}{20}$ 3.) $\frac{2}{3} - \frac{1}{3} = \frac{2 - 1}{3} = \frac{1}{2}$ 6.) $\frac{1}{3} - \frac{1}{4} = \frac{1(4) - 1(3)}{12} = \frac{1}{12}$ **Activity 6** 1.) $\frac{3}{6} - \frac{2}{6} = \frac{3 - 2}{6} = \frac{1}{6}$ 3.) $\frac{5}{9} - \frac{3}{9} = \frac{5 - 3}{9} = \frac{2}{9}$ 2.) $\frac{7}{8} - \frac{5}{8} = \frac{7 - 5}{8} = \frac{2}{8} = \frac{1}{4}$ 4.) $\frac{4}{7} - \frac{1}{7} = \frac{4 - 1}{7} = \frac{3}{7}$ Activity 7 1.) $\frac{7}{8} - \frac{2}{8} = \frac{7 - 2}{8} = \frac{5}{8}$ 3.) $\frac{4}{6} - \frac{2}{6} = \frac{4 - 2}{6} = \frac{2}{6} = \frac{2}{6}$ 2.) $\frac{2}{7} - \frac{1}{7} = \frac{2 - 1}{7} = \frac{1}{7}$ 4.) $\frac{4}{9} - \frac{3}{9} = \frac{4-3}{9} = \frac{1}{9}$ $(5.)\frac{7}{10} - \frac{5}{10} = \frac{7-5}{10} = \frac{2}{10} = \frac{1}{5}$



#### **ANSWER GUIDE**





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