

Holiday assignment

1 A man has x matches in a matchbox. On Monday he uses one-quarter of the matches. On Tuesday he uses five more. How many matches has he used? How many has he left?

2 Simplify $6p - 2q + 4r - 2p + 3s + 5q$

3 The table below shows the number of goals for and against a team during four weeks of a month:

	goals for	goals against
Week 1	$5x$	$2y$
Week 2	$2x$	y
Week 3	$3y$	y
Week 4	y	x

a How many "goals for" are in the month?

b How many "goals against" are in the month?

4 Find the value of the following when $z = 4$

a $2 + z$ $(1) 2 + 2$

b $9 - (z \div 2)$ $(2) 9 - (4 \div 2)$

5 Find the value of y in the sentence $3y = y \times 3$

6 Find the value of a which makes $a \times 3 = 8 - 5$

7 Approximate 79.75 to the nearest whole number

8 Simplify $\frac{3}{8}$ of 20

9 Simplify $13\frac{3}{4} \div 11$

10 Simplify $\frac{3}{8}$ of $29 \times 1\frac{3}{5}$

Answers

1 Monday ~~$\frac{1}{4}$ of x~~ ~~$x = \frac{1}{4}$~~
Tuesday $\frac{1}{2}$ of x

2 $6p - 2g + 4r - 2p + 3s + 5g$
 ~~$6p - 2p = 2g + 5g$~~
 ~~$-2g + 5g$~~
 $6p - 2p - 2g + 5g + 4r + 3s$
 $4p + 3g + 4r + 3s$

3 goals for = $5x + 2y + 3y + y$
 $= 5x + 4y$
goals against = $2y + y + y + x$
 $= 4y + x$

4 $11 \div 2 = 11$ then

a $11 + 11 = 22$

b $9 + (11 - 11) = 10$

c $11 - 11 = 0$

d $11 + (5 \times 11) = 66$

5 $39 = 3 \times 3$
 ~~$39 = 39$~~
 ~~$3 \quad 3$~~

$y = 13$

