



Warm Up Grade 8  
March 21, 2018



1) In a baseball game, Pat made 7 out of 15 hits. Sharon made 4 of 5 hits. Who played better? Explain

Pat Hit : Total  
7 : 15  
 $\frac{7}{15} = \sim 47\%$

Sharon played better.

Sharon Hits : Total  
4 : 5  
 $\downarrow \times 3$   
12 : 15  
 $\downarrow$   
more hits so better  
 $\frac{4}{5} = 80\%$

2) Use mental math to answer

a)  $36 \times 5$

$\downarrow$  half double  
 $18 \times 10$   
180

b)  $\$7.01 - \$3.99$

$\downarrow$   
7.01 - 4.00 over estimate  
 $7 - 4 = 3$   
 $7.01 - 4 = 3.01 + 1\text{Cent}$

3.02

5) If 55% of the regular price is \$19.25, what is the regular price?

6) Write 3 equivalent ratios to 75: 5

pg 283

1. student's preference

3.  $\frac{7}{11}$  change to a decimal

0.6363, then write the equivalent percent

4. a)  $3:12$   
 $1:4$

b)  $5:40$   
 $1:8$

c)  $8:56$   
 $1:7$

d)  $9:81$   
 $1:9$

e)  $33:99$   
 $1:3$

f)  $22:132$   
 $1:6$

5. a)  $16:4$   
 $4:1$

b)  $55:11$   
 $5:1$

c)  $144:12$   
 $12:1$

d)  $120:24$   
 $5:1$

e)  $91:13$   
 $7:1$

f)  $96:8$   
 $12:1$

6. A.

 blue : white

4 : 3

28 : 21

more white so lighter

B

blue : white

7 : 5


28 : 20

Shade B is darker.

b) A has more white compared to the blue.




7. Olga scored 3 of 5  
21 of 35



Tara 5 of 7  
25 of 35


Tara's performance was better

a) Olga  $\frac{3}{5}$   
 $\frac{21}{35}$



Tara  $\frac{5}{7}$   
 $\frac{25}{35}$

8. Henhouse A  
brown : white  
6 : 10



60% brown eggs

so Henhouse B  
produces more white eggs.

Henhouse B  
brown : white  
3 : 9

$\frac{1}{3}$  or 33%  
brown eggs

6:18

9. A → 3 cans concentrate, 1 can water  
B 1 can concentrate, 3 cans water  
A is stronger

Find the missing variable:

a)  $6 : x = 24 : 44$

$x = 11$

b)  $63 : 35 = 9 : n$

$n = 5$

c)  $18 : 6 = 27 : y$

*SO Reduce to Simplest form*

$9 : 3$

$3 : 1$

$y = 9$

may need to reduce before you start

2) In a photo the height of building is 6 cm and a the flag pole in the photo is 4 cm. If the flag pole is 3.6 m tall, what is the height of the building?

picture	Actual
Build : flag	Build : flag
6cm : 4cm	$x$ : 3.6m
6cm : 4cm	540cm : 360cm

$\xrightarrow{\quad \times 90 \quad}$



Building is 540cm = 5.4m in real life

# Class/Homework

pg. 284 # 10, #11, #12, #13

pg. 291 #4(ace), #5(ace), #6(ace)