

Ratios and Percents REVIEW

WRITING RATIOS

Match the correct ratio to the task.



- | | | | |
|---|-----------------------|--------------------------|----------------------------------|
| 1 | Stars to circles | ☐ | ☐ 10:6 |
| 2 | total shapes to stars | ☐ | ☐ 4 to 1 |
| 3 | filled to not filled | ☐ | ☐ 4:10 |
| 4 | Circles to all | ☐ | ☐ 6 to 10 |
| | | | ☐ 3/2 |
| | | | ☐ 8:10 |

EQUIVALENT RATIOS

Determine if the following ratios are equivalent

- | | | | | | | | |
|---|-------------------------------|---|-------------------------------|---|---------------------------------|---|----------------------|
| 5 | $\frac{2}{5} = \frac{18}{45}$ | 6 | $\frac{10}{15} = \frac{2}{3}$ | 7 | $\frac{1}{10} = \frac{10}{100}$ | 8 | 2 : 3 and 24 : 48 |
| | <input type="text"/> | | <input type="text"/> | | <input type="text"/> | | <input type="text"/> |

Use EQUIVALENT RATIOS to solve the following word problems...

- 9 Broden watches a movie every night of the week (7 nights). He watches 3 scary movies, 2 funny movies and 2 sports movies every week. If he watches a total of 18 scary movies, how many sports movies did he watch?

of
funny

- 10 On my keyboard I have a ratio of 3 ducks to 2 Jesus. At this ratio if I collected 27 ducks how many Jesuses would I have?

of
Jesuses

CONVERTING PERCENTS

Complete the following chart. Fractions need to be **REDUCED**... enter fractions as numerator/denominator NO SPACES
example 5/7. Decimals NO ZERO before the decimal. Percents DO NOT put percent sign

	FRACTIONAL	DECIMAL	PERCENT
11	$\frac{3}{4}$		%
12			
13			20%
14			
15		0.55	%
16			
17	$\frac{10}{8}$		%
18			
19			43%
20			

PERCENT "OF" A NUMBER

Find the percent OF the number.

21 10% of 70

22 8% of 50

23 125% of 40

FINDING PERCENT "OUT OF" A NUMBER

Find what percent the first number is out of the second... DO NOT put percent sign.

24 10 out of 50

25 25 out of 200

26 33 out of 66

SOLVING PERCENT/RATIO WORD PROBLEMS

Answer the following word problems:

- 27 Throughout the month of February (28 days) 21 of the days were **below** freezing, what percent of February was **above** freezing? (READ the problem carefully!)

- 28 Kimberly took a percents and ratios test and scored a 85%. If there were 20 questions on the test how many problems did she **miss**?