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Grade V (Mathematics)

Topic: Ratio

Name: _____ Section: _____ Date: _____

Q1. During an 8-week period, Ruth reads 10 books and David reads 14 books. What is the ratio of the number of books read by Ruth to the number of books read by David?

Ans: The ratio is _____:_____

Q2. Look at the picture. Write each ratio.

a) Boys to girls: _____:_____
b) Girls to boys: _____:_____
c) Boys to total number of children: _____:_____
d) Girls to total number of children:_____:_____

Q3. Fill in the table to write each ratio in two other ways. (First one is done for you).

a) 2:3	2 to 3	$\dfrac{2}{3}$
b)	15 to 4	
c)		$\dfrac{3}{8}$
d) 7:12		
e)	5 to 9	

Q4. Fill in the missing numbers to make the ratios equivalent.

a) $2:8 = 6:$ _____	b) _____$:40 = 30:80$
c) $3:9 =$ _____$:18$	d) $20:30 =$ _____$:150$
e) _____$:10 = 4:5$	f) $120:$ _____$= 30:4$

HINT: To find equivalent ratios, multiply or divide each term by the same number other than 0.

Q5. Write 2 equivalent ratios for each ratio.

a) $3:4$ =   _____:_____   _____:_____
a) $2:6$ =   _____:_____   _____:_____
b) $6:9$ =   _____:_____   _____:_____
c) $2:1$ =   _____:_____   _____:_____
d) $4:2$ =   _____:_____   _____:_____
e) $8:10$ =   _____:_____   _____:_____
f) $7:4$ =   _____:_____   _____:_____
g) $6:15$ =   _____:_____   _____:_____

Q6. Write each ratio in simplest form.

b) 10:15= _____:_____
c) 12:16 =_____:_____
d) 14:35 = _____:_____
e) 95:10= _____:_____
f) 75:25= _____:_____
g) 22:25 = _____:_____
h) 36:45 = _____:_____
i) 98: 4 = _____:_____
j) 91:63 = _____:_____
k) 30:45 = _____:_____

Q7. Give your answer in the simplest form.

a) A school has 20 teachers and 480 students. What is the teacher: student ratio?

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b) A college has 250 staff and 3500 students. What is the staff : student ratio?

c) A town in America has 2400 families and 4200 cars. What is the family : car ratio?
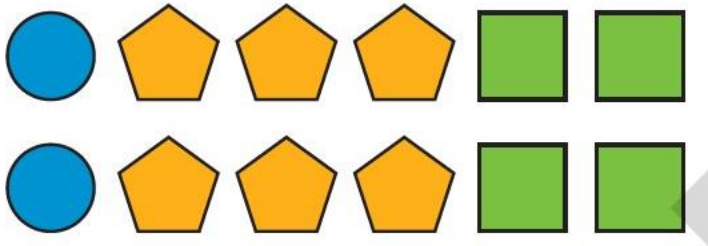
Q8. Recipe.

You decide to make chocolate chip cookies for the Maths club.

You need 120 grams of butter to make 10 cookies.

How much butter do you need to make 20 cookies?

Q9. Look at these shapes.

Write in its simplest form.
a) The ratio of circles to squares

_____:_____= _____:_____

b) The ratio of squares to pentagon

_____:_____= _____:_____

c) The ratio of pentagons to squares

_____:_____= _____:_____