

SPIRAL # 5

NAME:

6th GRADE

Distribute.

1) $3(x + 1)$

2) $4(2x - 6)$

3) $2a(b + 4)$

4) $7m(3n - 2)$

5) $R(S + T)$

6) $u(v - w)$

7) $2d(e + f)$

8) $3g(4h - 6j)$

Convert the rates into unit rates.
* Show work *

1) 54 miles per
3 hours

2) 17 candy bars/
4 people

3) 125 pieces of
paper per 25
students

4) 63 treats for
7 dogs

5) 21 cakes for 4
friends

6) 15 cookies per
2 people

7) 30 pies/4 people

8) 40 posters/
8 people

Use the ratios to answer the questions.
show work

1) 3 shelves per cabinet

If there are 36 shelves, how many cabinets are there?

2) 6 boys: 4 girls

If there are 50 total kids, how many girls are there?

3) 12 cookies/15 cupcakes

If there are 45 cupcakes, how many total treats are there?

4) 6 windows for every classroom

If there are 54 windows, how many classrooms are there?

Find the missing number in the equivalent fractions.

$$1) \frac{6}{9} = \frac{10}{\quad}$$

$$2) \frac{4}{5} = \frac{\quad}{20}$$

$$3) \frac{18}{60} = \frac{9}{\quad}$$

$$4) \frac{32}{24} = \frac{\quad}{3}$$

$$5) \frac{6}{7} = \frac{\quad}{21}$$

$$6) \frac{8}{10} = \frac{12}{\quad}$$

$$7) \frac{\quad}{8} = \frac{9}{12}$$

$$8) \frac{14}{\quad} = \frac{2}{15}$$