Direct proportion. Worksheet

1. 5 tickets for the theatre cost $45. Calculate the cost of:

   a. 1 ticket
   b. 3 tickets
   c. 11 tickets

2. You need 240 g of flour to make 10 cupcakes. Calculate the amount of flour needed to make:
   a. 1 cupcake
   b. 4 cupcakes
   c. 13 cupcakes

3. Chris buys 7 pencils for 56 cents. Calculate the cost of:

   a. 2 pencils
   b. 6 pencils
   c. 10 pencils

4. A cleaner charge $72 for 6 hours of cleaning.

   a. How much does the cleaner charge for 2 hours of cleaning?
   b. How much does the cleaner charge for 9 hours of cleaning?

5. A 3 m ribbon cost $1.35. Calculate the cost of:

   a. A 2 m ribbon
   b. A 12 m ribbon

6. 1 foot is approximately equivalent to 30 c.

   Calculate the approximate length of:
   a. 3 feet in cm
   b. 8 feet in cm
   c. 300 cm in feet
   d. 90 cm in feet

7. There are 8 pints in 1 gallon.

   Calculate the number of:
   a. Pints in 3 gallons
   b. Gallons in 40 pints

8. Complete the sentences with the key terms from the box.

Ratio	dividing	part	simplify	proportion	whole	multiplying	commo factor

A ..... compares two quantities directly to each other whereas a ..... Compares a single quantity to the ..... .

You can ..... both proportions and ratios by dividing by a ....

You can use proportional reasoning to solve problems involving finding the value per item by ..... or, if you know the value of one item, finding the value of more items by .....