Find the missing values in the ratio table.  Then write the equivalent ratios.

| Dogs | 5 | 15 | |
|------|---|----|---|
| Cats | 3 | | 15 |

| Apples | 5 | | 15 |
|--------|---|---|----|
| Oranges | 6 | 12 | |

You make a necklace using blue and purple beads at a ratio of 3 : 4.  You use a total of 126 beads.  How many purple beads are in the necklace? (Make a tape diagram.  Put answer in a sentence.)
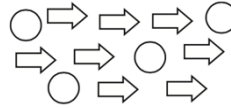
The ratio of cats to dogs at the animal shelter is 5 : 9.  There are a total of 25 cats.  How many dogs are there? (Make a ratio table.  Put answer in a sentence.)

Write the ratio.  Explain what the ratio means.

| 1.  books to pencils | 2.  circles to arrows |
|---|---|

Find the missing values in the ratio table.  Then write the equivalent ratios.

3.

| Clients | 3 |  | 6 |
|---|---|---|---|
| Hours | 12 | 4 |  |

4.

| Pencils | 6 | 18 |  |
|---|---|---|---|
| Erasers | 2 |  | 22 |

5.  You spend a combined total of 90 minutes practicing flip tricks and slides on your skateboard.  The ratio of time spent on flip tricks to time spent on slides is 7: 8.  How much time do you spend practicing flip tricks and how much time do you spend practicing slides? (Make a tape diagram.  Put your answer in a sentence.)

6.  The ratio of basketballs to footballs in the P. E. department at DAB is 4:7.  There are a total of 12 basketballs.  How many footballs are there? (Make a ratio table.  Put answer in a sentence.)

Find the unit rate.

| 7.  25 pens for $19.75 | 8.  784 heart beats in 8 minutes |
|---|---|

|  |  |
|  |  |