

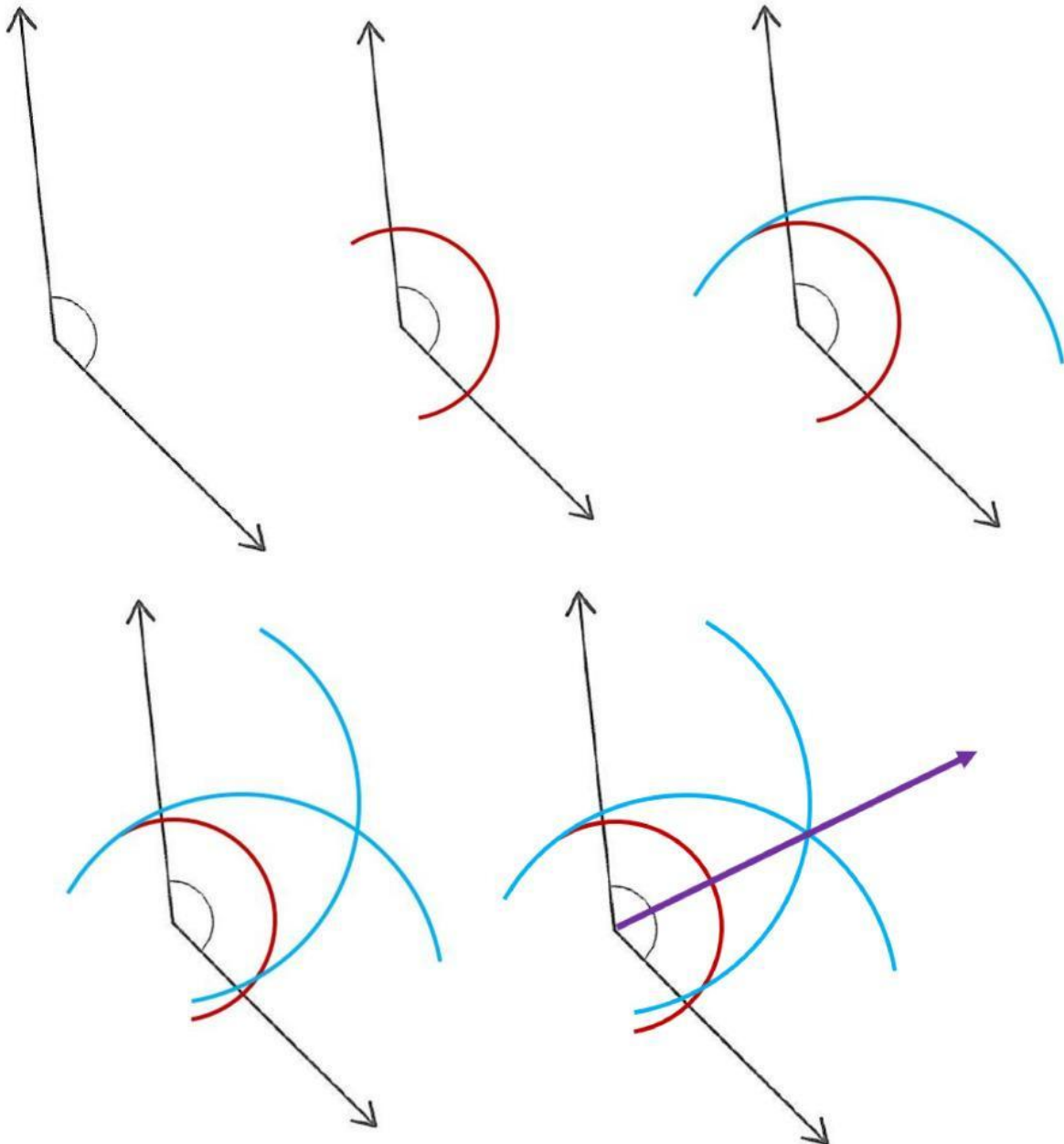
7. Place < or > in the blank to make a true statement.

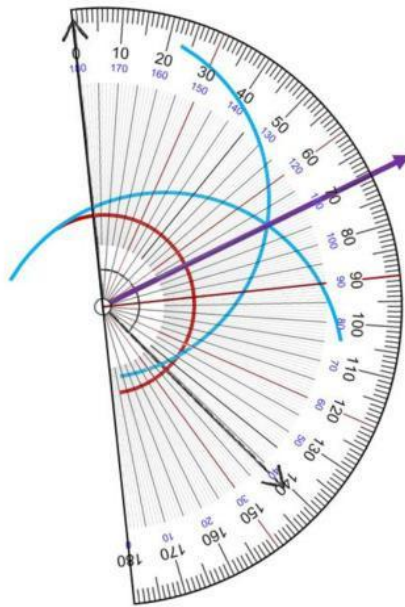
(i)  $\frac{1}{8}$  \_\_\_\_\_  $\frac{1}{12}$       <      >      [1]

(ii) 50% \_\_\_\_\_  $\frac{3}{4}$       <      >      [1]

(iii) 2.06 \_\_\_\_\_  $2\frac{6}{10}$       <      >      [1]

7. Bisect the angle drawn below. [3]





7. (a) Express  $3\frac{1}{4}$  as an improper fraction

Answer: \_\_\_\_\_ [1]

- (b) Multiply your answer from part (a) by 8

Answer: \_\_\_\_\_ [2]

7. (a) Express 40 as a product of its prime factors.

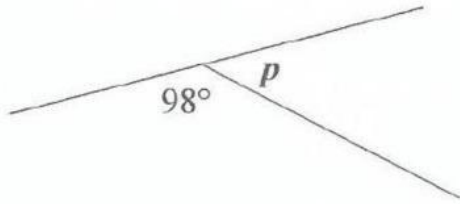
Answer: \_\_\_\_\_ [2]

- (b) Write your answer from (a) in index form.

Answer: \_\_\_\_\_ [1]

7. Calculate the size of the angle marked  $p$ .

NOT DRAWN TO SCALE



Answer: \_\_\_\_\_ ° [2]

7. Complete the sequence.

(a) 6, 9, 12, 15, 18, \_\_\_\_\_, \_\_\_\_\_ [2]

(b) 3, 5, 9, 15, 23, \_\_\_\_\_, \_\_\_\_\_ [2]

7. The ratio of dogs to cats in an animal shelter is 7 : 5 respectively.

If there are 28 dogs in the shelter, calculate the

- (a) number of cats in the shelter.

7 Dogs : 5 Cats

14 Dogs : 10 Cats

Dogs : Cats

Dogs : Cats

Answer: \_\_\_\_\_ [2]

- (b) total number of animals in the shelter.

Answer: \_\_\_\_\_ [1]