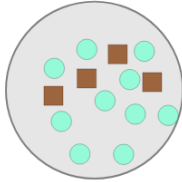


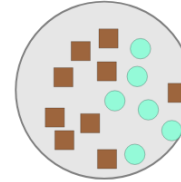
**Solve part-to-whole ratio problems**

- 1** What is the (simplest) ratio of circles to squares?



A 9:5 B 2:3 C 5:2 D 10:9

- 2** What is the (simplest) ratio of circles to ALL shapes?



A 2:5 B 4:3 C 10:1 D 8:2

- 3** What is the total number of balls?
tennis balls : ?
soccer balls : 12
(tennis : soccer) = (2 : 3)

A 36 B 20
C 24 D 38

- 4** What is the total number of kids?
boys : ?
girls : 6
(boys : ALL kids) = (3 : 5)

A 10 B 5
C 13 D 15

- 5** What is the total number of pets?
cats : 20
dogs : ?
(cats : dogs) = (5 : 4)

A 36 B 48
C 9 D 21

- 6** What is the total number of balls?
tennis balls : ?
soccer balls : 4
(tennis : ALL balls) = (3 : 5)

A 5 B 10
C 1 D 8

- 7** What is the total number of pets?
cats : 20
dogs : ?
(cats : dogs) = (5 : 3)

A 32 B 11
C 38 D 59

- 8** What is the total number of pets?
cats : 8
dogs : ?
(dogs : ALL pets) = (3 : 7)

A 4 B 21
C 14 D 16

**Solve part-to-whole ratio problems****9**

What is the total number of pets?

cats : 6

dogs : ?

$$(\text{cats} : \text{dogs}) = (2 : 5)$$

A 37

B 19

C 21

D 7

10

What is the total number of balls?

tennis balls : ?

soccer balls : 8

$$(\text{tennis} : \text{ALL balls}) = (3 : 5)$$

A 18

B 30

C 20

D 38

11

What is the total number of balls?

tennis balls : ?

soccer balls : 6

$$(\text{tennis} : \text{soccer}) = (3 : 2)$$

A 15

B 23

C 6

D 21

12

What is the total number of balls?

tennis balls : 12

soccer balls : ?

$$(\text{soccer} : \text{ALL balls}) = (3 : 7)$$

A 37

B 27

C 29

D 21