What Is Dangerous about Living for 7 Days on Just One Can of Sardines?

Find the area of each circle. Use 3.14 for π. Find your answer in the appropriate answer column. Write the letter of the answer in the space containing the number of the exercise. If the answer has a ●, shade in the space instead of writing a letter in it.

Answers 1 – 9:

- (P) 214.14 ft^2
- (A) 54.84 $in.^2$
- (U) 19.625 cm^2
- (B) 361.14 m^2
- (I) 28.26 cm^2
- (G) 7,850 $in.^2$
- (L) 314 m^2
- (C) 5.1016 km^2
- (F) 254.34 ft^2
- ● 379.94 m^2
- (O) 50.24 $in.^2$
- (T) 18.485 cm^2
- (A) 4.5216 km^2
- ● 12.56 cm^2
- (R) 6,430 $in.^2$

(1) 3 cm

(2) 4 in.

(3) 10 m

314 m^2

(4) $r = 2$ cm

(5) $r = 9$ ft

(6) $r = 1.2$ km

(7) $r = 50$ in.

(8) $r = 11$ m

(9) $r = 2.5$ cm

(10) 14 in.

(11) 10 cm

(12) 3 m

(13) $d = 16$ ft

(14) $d = 40$ m

(15) $d = 12$ in.

(16) $d = 7$ cm 38.465 cm^2

(17) $d = 0.6$ km

(18) $d = 2$ cm

Answers 10 – 18:

- (P) 1,416 m^2
- (O) 78.5 cm^2
- (D) 36.815 cm^2
- ● 7.065 m^2
- (H) 0.2826 km^2
- (N) 108.74 $in.^2$
- (M) 1,256 m^2
- (T) 153.86 $in.^2$
- (S) 211.36 ft^2
- (L) 38.465 cm^2
- (F) 3.14 cm^2
- (Y) 200.96 ft^2
- ● 0.3416 km^2
- (R) 8.415 m^2
- (F) 113.04 $in.^2$

13	2	9	4	14	1	7	17	10	12	18	6	3	16	8	11	15	5
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Area of a Circle

Area = $\pi r^2 \rightarrow \pi \cdot r \cdot r$

(1) $\pi = 3.14$, $r = 3$

$3.14(3)(3) \rightarrow 3(3)(3.14)$

$9(3.14)$

28.26

(13) $\pi = 3.14$, $d = 16$, $r = 8$

$8(8)(3.14)$

$64(3.14)$

200.96

(2)

$\pi = 3.14$, $r = 4$

$3.14(4)(4) \rightarrow 4(4)(3.14)$

$16(3.14) = 50.24$

(3)

$\pi = 3.14$, $r = 10$

$10(10)(3.14)$

$100(3.14) = 314$

(10) $\pi = 3.14$, $d = 14$

$r = 7$

$3.14(7)(7) \rightarrow 7(7)(3.14)$

$49(3.14)$

153.86

(15)

$d = 12$

$\pi = 3.14$, $r = 6$

$6(6)(3.14)$

$36(3.14) = 113.04$

(16)

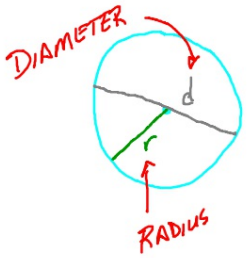
$\pi = 3.14$, $d = 7$

$r = 3.5$

$3.5(3.5)(3.14)$

$12.25(3.14) = 38.465$

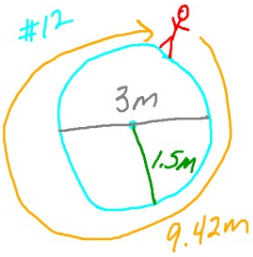
CIRCLES



AREA (THE SPACE INSIDE A CIRCLE)

$A = \pi r^2 \rightarrow \pi(r)(r)$

$A = 3.14(1.5)(1.5) = 7.065\ m^2$



CIRCUMFERENCE (THE DISTANCE AROUND A CIRCLE)

$C = \pi d$

$C = 3.14(3) = 9.42m$

$d = 3m$

$r = 1.5m$