



练习7 圆柱的容积

用时: ___分 ___秒 错误: ___个

A组 常规口算题

$4 \text{ L} = (\quad) \text{ mL}$

$120 \text{ L} = (\quad) \text{ dm}^3$

$5 \text{ dm}^3 = (\quad) \text{ cm}^3$

$5.2 \text{ cm}^3 = (\quad) \text{ mL}$

$3000 \text{ mL} = (\quad) \text{ L}$

$4 \text{ m}^3 = (\quad) \text{ L}$

$0.8 \text{ L} = (\quad) \text{ mL}$

$60 \text{ L} = (\quad) \text{ m}^3$

$800 \text{ dm}^3 = (\quad) \text{ m}^3$

$2.8 \text{ L} = (\quad) \text{ cm}^3$

$650 \text{ mL} = (\quad) \text{ L}$

$600 \text{ L} = (\quad) \text{ dm}^3$

$2.5 \text{ m}^3 = (\quad) \text{ dm}^3$

$45 \text{ dm}^3 = (\quad) \text{ L}$

$400 \text{ mL} = (\quad) \text{ L}$

$750 \text{ cm}^3 = (\quad) \text{ L}$

$95 \text{ dm}^3 = (\quad) \text{ m}^3$

$9.2 \text{ L} = (\quad) \text{ cm}^3$

$1.8 \text{ L} = (\quad) \text{ mL}$

$200 \text{ mL} = (\quad) \text{ dm}^3$

$0.68 \text{ dm}^3 = (\quad) \text{ cm}^3$

$3.68 \text{ L} = (\quad) \text{ cm}^3$

$3 \text{ L} = (\quad) \text{ mL}$

$5400 \text{ cm}^3 = (\quad) \text{ L}$

$2400 \text{ mL} = (\quad) \text{ L}$

$500 \text{ L} = (\quad) \text{ m}^3$

$160 \text{ mL} = (\quad) \text{ L}$

$0.46 \text{ m}^3 = (\quad) \text{ L}$

$7.2 \text{ m}^3 = (\quad) \text{ dm}^3$

$750 \text{ L} = (\quad) \text{ m}^3$

$3600 \text{ cm}^3 = (\quad) \text{ dm}^3$

$5.44 \text{ cm}^3 = (\quad) \text{ mL}$

求圆柱的体积。

$S_{\text{底}} = 48 \text{ cm}^2, h = 2 \text{ cm}$

$V_{\text{柱}} = (\quad) \text{ cm}^3$

$S_{\text{底}} = 3.14 \text{ cm}^2, h = 3 \text{ cm}$

$V_{\text{柱}} = (\quad) \text{ cm}^3$

$r = 10 \text{ cm}, h = 20 \text{ cm}$

$S_{\text{底}} = (\quad) \text{ cm}^2$

$V_{\text{柱}} = (\quad) \text{ cm}^3$

$r = 1 \text{ cm}, h = 3 \text{ cm}$

$S_{\text{底}} = (\quad) \text{ cm}^2$

$V_{\text{柱}} = (\quad) \text{ cm}^3$

$r = 2 \text{ cm}, h = 4 \text{ cm}$

$S_{\text{底}} = (\quad) \text{ cm}^2$

$V_{\text{柱}} = (\quad) \text{ cm}^3$

$r = 2 \text{ cm}, h = 5 \text{ cm}$

$S_{\text{底}} = (\quad) \text{ cm}^2$

$V_{\text{柱}} = (\quad) \text{ cm}^3$

B组 变式口算题

- 一个圆柱形水桶的底面积是 20 平方分米,高是 9 分米,这个水桶最多能装 ()立方分米的水。(壁厚忽略不计)
- 一个圆柱形油桶的底面周长是 12.56 分米,高是 6 分米,它的底面积是()平方分米,容积是()升。(壁厚忽略不计)
- 在直径为 2 厘米的水管中,水流的速度是每秒 12 厘米,那么这个水管每秒流过的水是()立方厘米,10 秒流过的水是()立方厘米。



练习8 圆锥的认识

用时: ___分 ___秒 错误: ___个

A组 常规口算题

求圆的半径或直径。

$$C=31.4 \text{ dm}, d=(\quad) \text{ dm}$$

$$C=6.28 \text{ dm}, r=(\quad) \text{ dm}$$

$$C=3.14 \text{ dm}, r=(\quad) \text{ dm}$$

$$C=12.56 \text{ dm}, r=(\quad) \text{ dm}$$

$$C=1.256 \text{ dm}, d=(\quad) \text{ dm}$$

$$C=0.942 \text{ dm}, d=(\quad) \text{ dm}$$

$$C=37.68 \text{ dm}, d=(\quad) \text{ dm}$$

$$C=62.8 \text{ dm}, r=(\quad) \text{ dm}$$

$$C=157 \text{ dm}, d=(\quad) \text{ dm}$$

$$C=219.8 \text{ dm}, d=(\quad) \text{ dm}$$

$$C=2826 \text{ dm}, r=(\quad) \text{ dm}$$

$$C=125.6 \text{ dm}, r=(\quad) \text{ dm}$$

$$C=94.2 \text{ dm}, d=(\quad) \text{ dm}$$

$$C=15.7 \text{ dm}, r=(\quad) \text{ dm}$$

$$C=28.26 \text{ dm}, r=(\quad) \text{ dm}$$

$$C=21.98 \text{ dm}, d=(\quad) \text{ dm}$$

求圆的面积。

$$r=0.2 \text{ cm}, S=(\quad) \text{ cm}^2$$

$$r=3 \text{ cm}, S=(\quad) \text{ cm}^2$$

$$r=40 \text{ cm}, S=(\quad) \text{ cm}^2$$

$$r=0.1 \text{ cm}, S=(\quad) \text{ cm}^2$$

$$r=2 \text{ cm}, S=(\quad) \text{ cm}^2$$

$$r=200 \text{ cm}, S=(\quad) \text{ cm}^2$$

$$r=10 \text{ cm}, S=(\quad) \text{ cm}^2$$

$$r=20 \text{ cm}, S=(\quad) \text{ cm}^2$$

$$d=2 \text{ cm}, S=(\quad) \text{ cm}^2$$

$$d=0.4 \text{ cm}, S=(\quad) \text{ cm}^2$$

$$d=0.6 \text{ cm}, S=(\quad) \text{ cm}^2$$

$$d=0.2 \text{ cm}, S=(\quad) \text{ cm}^2$$

$$d=6 \text{ cm}, S=(\quad) \text{ cm}^2$$

$$d=60 \text{ cm}, S=(\quad) \text{ cm}^2$$

$$d=4 \text{ cm}, S=(\quad) \text{ cm}^2$$

$$d=20 \text{ cm}, S=(\quad) \text{ cm}^2$$

求圆的周长。

$$d=6 \text{ m}, C=(\quad) \text{ m}$$

$$d=40 \text{ m}, C=(\quad) \text{ m}$$

$$r=15 \text{ cm}, C=(\quad) \text{ cm}$$

$$r=40 \text{ cm}, C=(\quad) \text{ cm}$$

$$r=2.5 \text{ cm}, C=(\quad) \text{ cm}$$

$$d=0.3 \text{ m}, C=(\quad) \text{ m}$$

$$d=70 \text{ m}, C=(\quad) \text{ m}$$

$$d=0.9 \text{ m}, C=(\quad) \text{ m}$$

$$d=50 \text{ m}, C=(\quad) \text{ m}$$

$$r=45 \text{ cm}, C=(\quad) \text{ cm}$$

$$r=10 \text{ cm}, C=(\quad) \text{ cm}$$

$$d=10 \text{ m}, C=(\quad) \text{ m}$$

$$d=8 \text{ m}, C=(\quad) \text{ m}$$

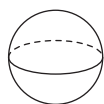
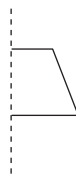
$$r=3 \text{ cm}, C=(\quad) \text{ cm}$$

$$r=0.4 \text{ cm}, C=(\quad) \text{ cm}$$

$$r=4 \text{ cm}, C=(\quad) \text{ cm}$$

B组 变式口算题

下面的图形以虚线为轴快速旋转后会形成什么图形? 连一连。





练习9 圆锥的体积(一)

用时: ___分 ___秒 错误: ___个

A组 常规口算题

求圆锥的体积。

$$S_{\text{底}} = 3.14 \text{ cm}^2, h = 3 \text{ cm}$$

$$V_{\text{锥}} = (\quad) \text{ cm}^3$$

$$S_{\text{底}} = 45 \text{ cm}^2, h = 9 \text{ cm}$$

$$V_{\text{锥}} = (\quad) \text{ cm}^3$$

$$S_{\text{底}} = 3.14 \text{ cm}^2, h = 30 \text{ cm}$$

$$V_{\text{锥}} = (\quad) \text{ cm}^3$$

$$S_{\text{底}} = 60 \text{ cm}^2, h = 10 \text{ cm}$$

$$V_{\text{锥}} = (\quad) \text{ cm}^3$$

$$S_{\text{底}} = 3.14 \text{ cm}^2, h = 0.3 \text{ cm}$$

$$V_{\text{锥}} = (\quad) \text{ cm}^3$$

$$S_{\text{底}} = 75 \text{ cm}^2, h = 40 \text{ cm}$$

$$V_{\text{锥}} = (\quad) \text{ cm}^3$$

$$S_{\text{底}} = 45 \text{ cm}^2, h = 3 \text{ cm}$$

$$V_{\text{锥}} = (\quad) \text{ cm}^3$$

$$S_{\text{底}} = 1256 \text{ cm}^2, h = 3 \text{ cm}$$

$$V_{\text{锥}} = (\quad) \text{ cm}^3$$

$$r = 1 \text{ m}, h = 9 \text{ m}$$

$$S_{\text{底}} = (\quad) \text{ m}^2$$

$$V_{\text{锥}} = (\quad) \text{ m}^3$$

$$r = 20 \text{ m}, h = 12 \text{ m}$$

$$S_{\text{底}} = (\quad) \text{ m}^2$$

$$V_{\text{锥}} = (\quad) \text{ m}^3$$

$$r = 0.1 \text{ m}, h = 9 \text{ m}$$

$$S_{\text{底}} = (\quad) \text{ m}^2$$

$$V_{\text{锥}} = (\quad) \text{ m}^3$$

$$r = 3 \text{ m}, h = 60 \text{ m}$$

$$S_{\text{底}} = (\quad) \text{ m}^2$$

$$V_{\text{锥}} = (\quad) \text{ m}^3$$

$$r = 2 \text{ m}, h = 30 \text{ m}$$

$$S_{\text{底}} = (\quad) \text{ m}^2$$

$$V_{\text{锥}} = (\quad) \text{ m}^3$$

$$d = 2 \text{ m}, h = 30 \text{ m}$$

$$r = (\quad) \text{ m}$$

$$S_{\text{底}} = (\quad) \text{ m}^2$$

$$V_{\text{锥}} = (\quad) \text{ m}^3$$

$$d = 20 \text{ m}, h = 90 \text{ m}$$

$$r = (\quad) \text{ m}$$

$$S_{\text{底}} = (\quad) \text{ m}^2$$

$$V_{\text{锥}} = (\quad) \text{ m}^3$$

$$d = 0.2 \text{ m}, h = 3 \text{ m}$$

$$r = (\quad) \text{ m}$$

$$S_{\text{底}} = (\quad) \text{ m}^2$$

$$V_{\text{锥}} = (\quad) \text{ m}^3$$

$$d = 6 \text{ m}, h = 4 \text{ m}$$

$$r = (\quad) \text{ m}$$

$$S_{\text{底}} = (\quad) \text{ m}^2$$

$$V_{\text{锥}} = (\quad) \text{ m}^3$$

B组 变式口算题

1. 已知圆柱的体积,求与它等底等高的圆锥的体积。

(1) $V_{\text{柱}} = 942 \text{ cm}^3, V_{\text{锥}} = (\quad) \text{ cm}^3$ 。 (2) $V_{\text{柱}} = 660 \text{ cm}^3, V_{\text{锥}} = (\quad) \text{ cm}^3$ 。

(3) $V_{\text{柱}} = 2826 \text{ cm}^3, V_{\text{锥}} = (\quad) \text{ cm}^3$ 。 (4) $V_{\text{柱}} = 28.26 \text{ cm}^3, V_{\text{锥}} = (\quad) \text{ cm}^3$ 。

(5) $V_{\text{柱}} = 600 \text{ cm}^3, V_{\text{锥}} = (\quad) \text{ cm}^3$ 。 (6) $V_{\text{柱}} = 450 \text{ cm}^3, V_{\text{锥}} = (\quad) \text{ cm}^3$ 。

2. 一个圆锥形的沙堆,底面直径是6米,高2米。它的底面积是()平方米,体积是()立方米。



练习 10 圆锥的体积(二)

用时: ___分 ___秒 错误: ___个

A组 常规口算题

求圆锥的体积。

$S_{\text{底}} = 18 \text{ cm}^2, h = 20 \text{ cm}$

$V_{\text{锥}} = () \text{ cm}^3$

$S_{\text{底}} = 24 \text{ cm}^2, h = 5 \text{ cm}$

$V_{\text{锥}} = () \text{ cm}^3$

$S_{\text{底}} = 16 \text{ cm}^2, h = 6 \text{ cm}$

$V_{\text{锥}} = () \text{ cm}^3$

$S_{\text{底}} = 21 \text{ cm}^2, h = 7 \text{ cm}$

$V_{\text{锥}} = () \text{ cm}^3$

$S_{\text{底}} = 30 \text{ cm}^2, h = 9 \text{ cm}$

$V_{\text{锥}} = () \text{ cm}^3$

$S_{\text{底}} = 100 \text{ m}^2, h = 9 \text{ m}$

$V_{\text{锥}} = () \text{ m}^3$

$S_{\text{底}} = 50 \text{ cm}^2, h = 6 \text{ cm}$

$V_{\text{锥}} = () \text{ cm}^3$

$r = 2 \text{ m}, h = 6 \text{ m}$

$S_{\text{底}} = () \text{ m}^2$

$V_{\text{锥}} = () \text{ m}^3$

$r = 1 \text{ m}, h = 300 \text{ m}$

$S_{\text{底}} = () \text{ m}^2$

$V_{\text{锥}} = () \text{ m}^3$

$r = 3 \text{ m}, h = 3 \text{ m}$

$S_{\text{底}} = () \text{ m}^2$

$V_{\text{锥}} = () \text{ m}^3$

$r = 0.2 \text{ m}, h = 300 \text{ m}$

$S_{\text{底}} = () \text{ m}^2$

$V_{\text{锥}} = () \text{ m}^3$

$r = 10 \text{ m}, h = 90 \text{ m}$

$S_{\text{底}} = () \text{ m}^2$

$V_{\text{锥}} = () \text{ m}^3$

$d = 4 \text{ m}, h = 30 \text{ m}$

$r = () \text{ m}$

$S_{\text{底}} = () \text{ m}^2$

$V_{\text{锥}} = () \text{ m}^3$

$d = 2 \text{ m}, h = 6 \text{ m}$

$r = () \text{ m}$

$S_{\text{底}} = () \text{ m}^2$

$V_{\text{锥}} = () \text{ m}^3$

$d = 0.2 \text{ m}, h = 300 \text{ m}$

$r = () \text{ m}$

$S_{\text{底}} = () \text{ m}^2$

$V_{\text{锥}} = () \text{ m}^3$

$d = 6 \text{ m}, h = 0.3 \text{ m}$

$r = () \text{ m}$

$S_{\text{底}} = () \text{ m}^2$

$V_{\text{锥}} = () \text{ m}^3$

B组 变式口算题

1. 判断。

(1) 圆柱的体积是圆锥体积的 3 倍。()

(2) 三个同样的圆锥的体积之和等于与它们等底等高的圆柱的体积。()

(3) 圆柱的体积一定比圆锥的体积大。()

(4) 当一个圆柱的体积是一个圆锥体积的 3 倍时, 圆柱与圆锥有可能等底等高。()

2. 一个圆锥形麦堆, 底面周长是 62.8 米, 高是 6 米, 这个麦堆的底面半径是()米, 底面积是()平方米, 体积是()立方米。如果每立方米小麦的质量是 0.75 吨, 这堆小麦有()吨。



练习1 比例的意义

用时: ___分 ___秒 错误: ___个

A组 常规口算题

求比值。

$6:2=(\quad)$

$6.4:0.08=(\quad)$

$12:15=(\quad)$

$\frac{1}{2}:10=(\quad)$

$15:40=(\quad)$

$0.36:6=(\quad)$

$15:30=(\quad)$

$0.3:\frac{3}{5}=(\quad)$

$4.5:1.5=(\quad)$

$\frac{5}{6}:0.6=(\quad)$

$\frac{5}{9}:\frac{3}{4}=(\quad)$

$21:3=(\quad)$

$8.4:1.2=(\quad)$

$5.4:6=(\quad)$

化简比。

$\frac{7}{8}:\frac{5}{4}=(\quad):(\quad)$

$8:12=(\quad):(\quad)$

$1.2:3.6=(\quad):(\quad)$

$4:1.5=(\quad):(\quad)$

$20:18=(\quad):(\quad)$

$12:\frac{1}{6}=(\quad):(\quad)$

$24:21=(\quad):(\quad)$

$15:25=(\quad):(\quad)$

$6:8=(\quad):(\quad)$

$39:26=(\quad):(\quad)$

$1.5:4=(\quad):(\quad)$

$\frac{3}{8}:1.6=(\quad):(\quad)$

$4.8:\frac{3}{10}=(\quad):(\quad)$

$9.6:3.2=(\quad):(\quad)$

先化简比,再求比值。

$8:6=(\quad):(\quad)=(\quad)$

$\frac{7}{9}:90=(\quad):(\quad)=(\quad)$

$6:18=(\quad):(\quad)=(\quad)$

$0.6:12=(\quad):(\quad)=(\quad)$

$\frac{3}{14}:\frac{3}{7}=(\quad):(\quad)=(\quad)$

$15:0.5=(\quad):(\quad)=(\quad)$

$1.6:4=(\quad):(\quad)=(\quad)$

$9:24=(\quad):(\quad)=(\quad)$

$32:\frac{3}{4}=(\quad):(\quad)=(\quad)$

$21:7=(\quad):(\quad)=(\quad)$

$1.2:\frac{1}{12}=(\quad):(\quad)=(\quad)$

$1.5:3=(\quad):(\quad)=(\quad)$

$12:21=(\quad):(\quad)=(\quad)$

$20:8=(\quad):(\quad)=(\quad)$

B组 变式口算题

1. 指出下列比例的内项和外项。

(1) $3:4=1.2:1.6$ 中,内项是()

和(),外项是()和()。

(2) $20:10=2:1$ 中,内项是()和

(),外项是()和()。

2. 判断每组的两个比是否能组成比例。

(在()里填“能”或“不能”)

$3:2$ 和 $6:4$ $\frac{15}{12}$ 和 $\frac{12}{15}$

()组成比例 ()组成比例

$1.6:5$ 和 $8:25$ $12:10$ 和 $5:6$

()组成比例 ()组成比例

练习 7

A 组

4000	120	96
5000	5.2	9.42
3	4000	314
800	0.06	6280
0.8	2800	3.14
0.65	600	9.42
2500	45	12.56
0.4	0.75	50.24
0.095	9200	12.56
1800	0.2	62.8
680	3680	
3000	5.4	
2.4	0.5	
0.16	460	
7200	0.75	
3.6	5.44	

B 组

1. 180	2. 12.56	75.36
3. 37.68	376.8	

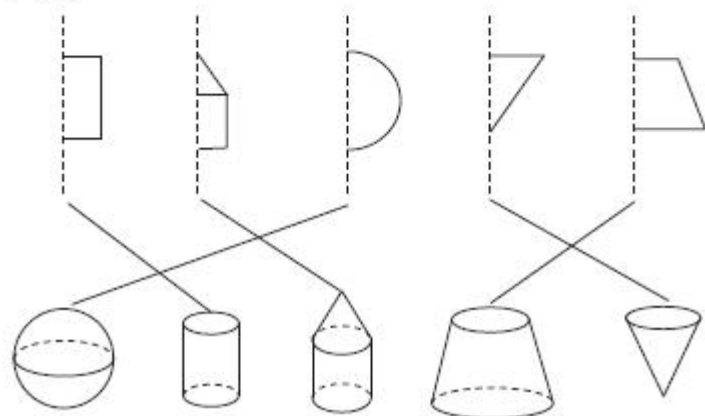
练习 8

A 组

10	0.1256	18.84
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1	28.26	125.6
0.5	5024	94.2
2	0.0314	251.2
0.4	12.56	15.7
0.3	125600	0.942
12	314	219.8
10	1256	2.826
50	3.14	157
70	0.1256	282.6
450	0.2826	62.8
20	0.0314	31.4
30	28.26	25.12
2.5	2826	18.84
4.5	12.56	2.512
7	314	25.12

B 组



练习 9

A 组

3.14	3.14	1
135	9.42	3.14
31.4	1256	31.4
200	5024	10
0.314	0.0314	314
1000	0.0942	9420
45	28.26	0.1
1256	565.2	0.0314
	12.56	0.0314
	125.6	3
		28.26
		37.68

B 组

1. (1)314 (2)220 (3)942
(4)9.42 (5)200 (6)150
2. 28.26 18.84

练习 10

A 组

120	12.56	2
40	25.12	12.56
32	3.14	125.6
49	314	1
90	28.26	3.14
300	28.26	6.28
100	0.1256	0.1
	12.56	0.0314
	314	3.14
	9420	3

28. 26

2. 826

B 组

1. (1)× (2)√ (3)× (4)√

2. 10 314 628 471

第 4 单元

练习 1

A 组

$$3 \quad 7:10 \quad 4:3 = \frac{4}{3}$$

$$80 \quad 2:3 \quad 7:810 = \frac{7}{810}$$

$$\frac{4}{5} \quad 1:3 \quad 1:3 = \frac{1}{3}$$

$$\frac{1}{20} \quad 8:3 \quad 1:20 = \frac{1}{20}$$

$$\frac{3}{8} \quad 10:9 \quad 1:2 = \frac{1}{2}$$

$$0.06 \quad 72:1 \quad 30:1 = 30$$

$$\frac{1}{2} \quad 8:7 \quad 2:5 = \frac{2}{5}$$

$$\frac{1}{2} \quad 3:5 \quad 3:8 = \frac{3}{8}$$

$$3 \quad 3:4 \quad 128:3 = \frac{128}{3}$$

$$\frac{25}{18} \quad 3:2 \quad 3:1 = 3$$

$$\frac{20}{27}$$

$$3:8$$

$$72:5 = \frac{72}{5}$$

$$7$$

$$15:64$$

$$1:2 = \frac{1}{2}$$

$$7$$

$$16:1$$

$$4:7 = \frac{4}{7}$$

$$0.9$$

$$3:1$$

$$5:2 = \frac{5}{2}$$

B 组

1. (1) 4 1.2 3 1.6

(2) 10 2 20 1

2. 能 不能 能 不能