

天河 社

1. D.

2. B

百分数后不带单位.

3. A

$$M \div \frac{8}{9} = N \div \frac{9}{10}, M \times \frac{9}{8} = N \times \frac{10}{9}$$

4. D

5. A

$$2 \times \frac{1}{2} = 1(m), 1 > \frac{1}{2}$$

6. D

7. B

8. C

9. C

10. B

二.

11. 无数, 1

12. 55=1, 55

13. 6, 350, 7, 2

14.

>, =,

<, <

15.

200

$$180 \div 90\% = 200$$

16. ~~25~~ 25, 20

17. 25

$$4 + (n-1) \times 3 = 3n+1$$

18. 1800

$$2000 \times (1-10\%) = 1800(\text{元})$$

19. 15.7

$$3^2\pi - 2^2\pi = 15.7$$

三.

20.

(1) $\frac{1}{4}$ (2) $\frac{1}{15}$ (3) $\frac{14}{5}$

(4) 5 (5) 1 (6) 3.6

$$21. (1) = \frac{5}{8} \times \frac{18}{25} \times \frac{9}{5}$$

$$= \frac{9}{20} \times \frac{9}{5}$$

$$= \frac{81}{100}$$

$$(2) = \frac{5}{7} \times \frac{3}{8} + \frac{2}{7} \times \frac{3}{8}$$

$$= \frac{3}{8} \times (\frac{5}{7} + \frac{2}{7})$$

$$= \frac{3}{8} \times 1$$

$$= \frac{3}{8}$$

$$(3) = \frac{2}{7} \times 35 + \frac{3}{5} \times 35$$

$$= 10 + 21$$

$$= 31$$

$$(4) = 12 - \frac{5}{8} \times \frac{8}{7} - \frac{2}{7}$$

$$= 12 - \frac{5}{7} - \frac{2}{7}$$

$$= 12 - (\frac{5}{7} + \frac{2}{7})$$

$$= 12 - 1$$

$$= 11$$

22.

$$(1) \text{解: } \frac{4}{13}x = \frac{4}{13} \div \frac{7}{13}$$

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

$$(2) \text{解: } \frac{2}{5}x - \frac{1}{5}x = 4.2$$

$$\frac{1}{5}x = 4.2$$

$$x = 4.2 \times 5$$

$$x = 21$$

23. 画图略.

24.

$$(1) 4 \times 3 = 12(\text{cm})$$

$$4 \times 3.14 \div 2 = 6.28(\text{cm})$$

$$12 + 6.28 = 18.28(\text{cm})$$

$$(2) 4 \times 4 = 16\text{cm}^2$$

$$4 \div 2 = 2\text{cm}$$

$$3.14 \times 2^2 \div 2 = 6.28\text{cm}^2$$

$$16 - 6.28 = 9.72\text{cm}^2$$

25.

(1) 东, 北, 60, 20

(2) 画图略.

(3) $3.14 \times 30^2 = 2826 \text{ m}^2$

26.

$1 \div (\frac{1}{12} + \frac{1}{8}) = \frac{24}{5}$ (分钟)

27.

$120 \div (1 + \frac{5}{7}) = 70$ (人)

28.

(1) $20 + 10 = 30$ (m)
 $3.14 \times (30^2 - 20^2) = 1570$ (m²)

(2) $3.14 \times 30 \times 2 = 188.4$ (m)

29.

$5 \times \frac{1}{1+99} = 0.05$ (升)

$5 \times \frac{99}{1+99} = 4.95$ (升)

30.

(1) 270, 10, 75

(2) 2, 15