

FY26秋-思维B-3年级-第1讲-课后相似题

姓名：_____

1 填空题

$$7 \times 25 \times 8 \times 5 = \underline{\hspace{2cm}}$$

$$13 \times 125 \times 16 \times 5 = \underline{\hspace{2cm}}$$

答案

7000 ; 130000

解析

$$\begin{aligned} & 7 \times 25 \times 8 \times 5 \\ &= 7 \times 25 \times (2 \times 4) \times 5 \\ &= (25 \times 4) \times (2 \times 5) \times 7 \\ &= 200 \times 35 \\ &= 7000 \end{aligned}$$

$$\begin{aligned} & 13 \times 125 \times 16 \times 5 \\ &= 13 \times 125 \times (8 \times 2) \times 5 \\ &= (125 \times 8) \times (2 \times 5) \times 13 \\ &= 1000 \times 10 \times 13 \\ &= 130000 \end{aligned}$$

2 填空题

$$38 \times 4 \times 25 = \underline{\hspace{2cm}}$$

$$8 \times 69 \times 125 = \underline{\hspace{2cm}}$$

答案

3800 ; 69000

解析

$$\begin{aligned} & 38 \times 4 \times 25 \\ &= 38 \times (4 \times 25) \\ &= 38 \times 100 \\ &= 3800 \end{aligned}$$

$$\begin{aligned} & 8 \times 69 \times 125 \\ &= (8 \times 125) \times 69 \\ &= 1000 \times 69 \end{aligned}$$

$$=69000$$

3 填空题

$$1000 \div 57 \div 8 \times 57 = \underline{\hspace{2cm}}$$

$$54 \times 24 \div 9 \div 4 = \underline{\hspace{2cm}}$$

答案

$$125 ; 36$$

解析

$$\begin{aligned} 1000 \div 57 \div 8 \times 57 \\ = 1000 \div 8 \div 57 \times 57 \\ = 125 \end{aligned}$$

$$\begin{aligned} 54 \times 24 \div 9 \div 4 \\ = 54 \div 9 \times (24 \div 4) \\ = 6 \times 6 \\ = 36 \end{aligned}$$

4 综合题

巧算。

$$(1) 1000 \times 7 \div 8 \div 7 = \underline{\hspace{2cm}}$$

$$(2) 82 \div 13 \times 2 \times 13 = \underline{\hspace{2cm}}$$

答案

$$(1) 125$$

$$(2) 164$$

解析

$$\begin{aligned} (1) 1000 \times 7 \div 8 \div 7 \\ = 1000 \div 8 \\ = 125 \end{aligned}$$

$$\begin{aligned} (2) 82 \div 13 \times 2 \times 13 \\ = 82 \times 2 \\ = 164 \end{aligned}$$

5 填空题

$$4 \times (250 \div 8) \times 8 = \underline{\hspace{2cm}}$$

$$512 \div (512 \div 16 \times 8) = \underline{\hspace{2cm}}$$

答案

1000 ; 2

解析

$$\begin{aligned} & 4 \times (250 \div 8) \times 8 \\ &= 4 \times 250 \times (8 \div 8) \\ &= 4 \times 250 \times 1 \\ &= 1000 \\ & 512 \div (512 \div 16 \times 8) \\ &= 512 \div 512 \times (16 \div 8) \\ &= 1 \times 2 \\ &= 2 \end{aligned}$$

6

填空题

$$4 \times (250 \div 8) \times 8 = \underline{\hspace{2cm}}$$

$$512 \div (512 \div 16 \times 8) = \underline{\hspace{2cm}}$$

答案

1000 ; 2

解析

$$\begin{aligned} & 4 \times (250 \div 8) \times 8 \\ &= 4 \times 250 \times 8 \div 8 \\ &= 4 \times 250 \\ &= 1000 \\ & 512 \div (512 \div 16 \times 8) \\ &= 512 \div 512 \times 16 \div 8 \\ &= 16 \div 8 \\ &= 2 \end{aligned}$$

7

填空题

$$28 \div 100 \times 25 = \underline{\hspace{2cm}}$$

$$56 \div 1000 \times 125 \div 7 = \underline{\hspace{2cm}}$$

答案

7 ; 1

解析

$$\begin{aligned}
& 28 \div 100 \times 25 \\
& = 28 \div (100 \div 25) \\
& = 28 \div 4 \\
& = 7 \\
& 56 \div 1000 \times 125 \div 7 \\
& = 56 \div (1000 \div 125) \div 7 \\
& = 56 \div 8 \div 7 \\
& = 7 \div 7 \\
& = 1
\end{aligned}$$

8 填空题

$$2460 \div 5 \div 2 = \underline{\hspace{2cm}}$$

$$3600 \div 25 \div 4 \div 32 \times 8 = \underline{\hspace{2cm}}$$

答案

246 ; 9

解析

$$\begin{aligned}
& 2460 \div 5 \div 2 \\
& = 2460 \div (5 \times 2) \\
& = 2460 \div 10 \\
& = 246 \\
& 3600 \div 25 \div 4 \div 32 \times 8 \\
& = 3600 \div (25 \times 4) \div (32 \div 8) \\
& = 3600 \div 100 \div 4 \\
& = 36 \div 4 \\
& = 9
\end{aligned}$$

9 填空题

$$25 \times 125 \times 16 = \underline{\hspace{2cm}}$$

$$38 \times 16 \times 25 \times 25 = \underline{\hspace{2cm}}$$

答案

50000 ; 380000

解析

$$\begin{aligned}
& 25 \times 125 \times 16 \\
& = 25 \times 125 \times (4 \times 4) \\
& = (25 \times 4) \times (125 \times 4)
\end{aligned}$$

$$\begin{aligned}
&=100\times 500 \\
&=50000 \\
&38\times 16\times 25\times 25 \\
&=38\times (4\times 4)\times 25\times 25 \\
&=38\times (4\times 25)\times (4\times 25) \\
&=38\times 100\times 100 \\
&=3800\times 100 \\
&=380000
\end{aligned}$$

10 **综合题**

巧算。

(1) $7\times 25\times 16=$ _____

(2) $13\times 25\times 32\times 125=$ _____

答案

(1) 2800

(2) 1300000

解析

(1) $7\times 25\times 16$

$$=7\times 25\times (4\times 4)$$

$$=7\times 25\times 4\times 4$$

$$=7\times (25\times 4)\times 4$$

$$=7\times 100\times 4$$

$$=2800$$

(2) $13\times 25\times 32\times 125$

$$=13\times 25\times (4\times 8)\times 125$$

$$=13\times 25\times 4\times 8\times 125$$

$$=13\times (25\times 4)\times (8\times 125)$$

$$=13\times 100\times 1000$$

$$=1300000$$

11 **单选题**

计算。

$12345679\times 36=$ _____

A. 444444444

B. 44444444

C. 4444444444

答案

A

解析

$$\begin{aligned} &12345679 \times 36 \\ &= 12345679 \times 9 \times 4 \\ &= 111111111 \times 4 \\ &= 444444444 \end{aligned}$$

12 填空题

计算。

$$12345679 \times 54 = \underline{\hspace{2cm}}$$

答案

$$666666666$$

解析

$$12345679 \times 54 = 666666666$$