

ステップ1  $\pi$ でまとめる

1

例にならって、にあてはまる数を書きなさい。(  $\pi = 3.14$  )

$$\begin{aligned} \text{【例】 } 1 \times \pi + 2 \times \pi &= ( \boxed{1} + \boxed{2} ) \times \pi \\ &= \boxed{3} \times \pi \\ &= \boxed{9.42} \end{aligned}$$

$$\begin{aligned} (1) \quad 1 \times \pi + 1 \times \pi &= ( \boxed{\phantom{0}} + \boxed{\phantom{0}} ) \times \pi \\ &= \boxed{\phantom{0}} \times \pi \\ &= \boxed{\phantom{000}} \end{aligned}$$

$$\begin{aligned} (2) \quad 1 \times \pi + 2 \times \pi &= ( \boxed{\phantom{0}} + \boxed{\phantom{0}} ) \times \pi \\ &= \boxed{\phantom{0}} \times \pi \\ &= \boxed{\phantom{000}} \end{aligned}$$

$$\begin{aligned} (3) \quad 2 \times \pi + 2 \times \pi &= ( \boxed{\phantom{0}} + \boxed{\phantom{0}} ) \times \pi \\ &= \boxed{\phantom{0}} \times \pi \\ &= \boxed{\phantom{000}} \end{aligned}$$

$$\begin{aligned}(4) \quad 2 \times \pi + 3 \times \pi &= (\square + \square) \times \pi \\ &= \square \times \pi \\ &= \square\end{aligned}$$

$$(5) \quad 4 \times \pi + 2 \times \pi = \square \times \pi = \square$$

$$(6) \quad 1 \times \pi + 6 \times \pi = \square \times \pi = \square$$

$$(7) \quad 3 \times \pi + 5 \times \pi = \square \times \pi = \square$$

$$(8) \quad 6 \times \pi + 3 \times \pi = \square \times \pi = \square$$

$$(9) \quad 1 \times \pi + 1 \times \pi + 2 \times \pi = \square \times \pi = \square$$

$$(10) \quad 2 \times \pi + 1 \times \pi + 2 \times \pi = \square \times \pi = \square$$

$$(11) \quad 1 \times \pi + 2 \times \pi + 3 \times \pi = \square \times \pi = \square$$

$$(12) \quad 1 \times \pi + 3 \times \pi + 3 \times \pi = \square \times \pi = \square$$

2

例にならって、 にあてはまる数を書きなさい。(  $\pi = 3.14$  )

$$\begin{aligned} \text{【例】 } 2 \times \pi - 1 \times \pi &= ( \boxed{2} - \boxed{1} ) \times \pi \\ &= \boxed{1} \times \pi \\ &= \boxed{3.14} \end{aligned}$$

$$\begin{aligned} (1) \quad 3 \times \pi - 1 \times \pi &= ( \boxed{\phantom{00}} - \boxed{\phantom{00}} ) \times \pi \\ &= \boxed{\phantom{00}} \times \pi \\ &= \boxed{\phantom{0000}} \end{aligned}$$

$$\begin{aligned} (2) \quad 5 \times \pi - 2 \times \pi &= ( \boxed{\phantom{00}} - \boxed{\phantom{00}} ) \times \pi \\ &= \boxed{\phantom{00}} \times \pi \\ &= \boxed{\phantom{0000}} \end{aligned}$$

$$\begin{aligned} (3) \quad 6 \times \pi - 2 \times \pi &= ( \boxed{\phantom{00}} - \boxed{\phantom{00}} ) \times \pi \\ &= \boxed{\phantom{00}} \times \pi \\ &= \boxed{\phantom{0000}} \end{aligned}$$

$$(4) \quad 9 \times \pi - 4 \times \pi = \boxed{\phantom{00}} \times \pi = \boxed{\phantom{0000}}$$

$$(5) \quad 9 \times \pi - 3 \times \pi = \boxed{\phantom{00}} \times \pi = \boxed{\phantom{0000}}$$

$$(6) \quad 13 \times \pi - 6 \times \pi = \boxed{\phantom{00}} \times \pi = \boxed{\phantom{000}}$$

$$(7) \quad 10 \times \pi - 2 \times \pi = \boxed{\phantom{00}} \times \pi = \boxed{\phantom{000}}$$

$$(8) \quad 12 \times \pi - 3 \times \pi = \boxed{\phantom{00}} \times \pi = \boxed{\phantom{000}}$$

$$(9) \quad 9 \times \pi - 5 \times \pi - 1 \times \pi = \boxed{\phantom{00}} \times \pi = \boxed{\phantom{000}}$$

$$(10) \quad 10 \times \pi - 4 \times \pi - 2 \times \pi = \boxed{\phantom{00}} \times \pi = \boxed{\phantom{000}}$$

$$(11) \quad 20 \times \pi - 10 \times \pi - 5 \times \pi = \boxed{\phantom{00}} \times \pi = \boxed{\phantom{000}}$$

$$(12) \quad 12 \times \pi - 2 \times \pi - 4 \times \pi = \boxed{\phantom{00}} \times \pi = \boxed{\phantom{000}}$$

$$(13) \quad 6 \times \pi + 5 \times \pi - 2 \times \pi = \boxed{\phantom{00}} \times \pi = \boxed{\phantom{000}}$$

$$(14) \quad 10 \times \pi - 3 \times \pi + 1 \times \pi = \boxed{\phantom{00}} \times \pi = \boxed{\phantom{000}}$$

$$(15) \quad 12 \times \pi + 4 \times \pi - 9 \times \pi = \boxed{\phantom{00}} \times \pi = \boxed{\phantom{000}}$$

ステップ2  $\pi$ 以外のところを先に計算する

3 例にならって、 にあてはまる数を書きなさい。(  $\pi = 3.14$  )

【例】  $1 \times 1 \times \pi + 2 \times 2 \times \pi =$    $\times \pi +$    $\times \pi$   
 $=$    $\times \pi$

(1)  $2 \times 2 \times \pi + 3 \times 3 \times \pi =$    $\times \pi +$    $\times \pi$   
 $=$    $\times \pi$

(2)  $2 \times 2 \times \pi + 4 \times 4 \times \pi =$    $\times \pi +$    $\times \pi$   
 $=$    $\times \pi$

(3)  $5 \times 5 \times \pi - 3 \times 3 \times \pi =$    $\times \pi -$    $\times \pi$   
 $=$    $\times \pi$

(4)  $6 \times 6 \times \pi - 3 \times 3 \times \pi =$    $\times \pi -$    $\times \pi$   
 $=$    $\times \pi$

(5)  $4 \times 4 \times \pi + 6 \times 6 \times \pi =$    $\times \pi +$    $\times \pi$   
 $=$    $\times \pi$

4

例にならって、 にあてはまる数を書きなさい。(  $\pi = 3.14$  )

$$\begin{aligned} \text{【例】 } 2 \times \pi \times 2 + 3 \times \pi \times 3 &= \boxed{4} \times \pi + \boxed{9} \times \pi \\ &= \boxed{13} \times \pi \end{aligned}$$

※かけ算・わり算だけのときは、計算の順序を変えても  
答えは変わりません。

$$\begin{aligned} (1) \quad 2 \times \pi \times 3 + 3 \times \pi \times 4 &= \boxed{\phantom{00}} \times \pi + \boxed{\phantom{00}} \times \pi \\ &= \boxed{\phantom{00}} \times \pi \end{aligned}$$

$$\begin{aligned} (2) \quad 3 \times \pi \times 4 + 6 \times \pi \times 2 &= \boxed{\phantom{00}} \times \pi + \boxed{\phantom{00}} \times \pi \\ &= \boxed{\phantom{00}} \times \pi \end{aligned}$$

$$\begin{aligned} (3) \quad 5 \times \pi \times 4 - 3 \times \pi \times 3 &= \boxed{\phantom{00}} \times \pi - \boxed{\phantom{00}} \times \pi \\ &= \boxed{\phantom{00}} \times \pi \end{aligned}$$

$$\begin{aligned} (4) \quad 6 \times \pi \times 5 - 3 \times \pi \times 8 &= \boxed{\phantom{00}} \times \pi - \boxed{\phantom{00}} \times \pi \\ &= \boxed{\phantom{00}} \times \pi \end{aligned}$$

$$(5) \quad 3 \times 3 \times \pi \times 2 + 4 \times 4 \times \pi = \boxed{\phantom{00}} \times \pi + \boxed{\phantom{00}} \times \pi \\ = \boxed{\phantom{00}} \times \pi$$

$$(6) \quad 4 \times 4 \times \pi - 2 \times 2 \times \pi \times 2 = \boxed{\phantom{00}} \times \pi - \boxed{\phantom{00}} \times \pi \\ = \boxed{\phantom{00}} \times \pi$$

$$(7) \quad 1 \times 2 \times \pi \times 3 + 2 \times 2 \times \pi = \boxed{\phantom{00}} \times \pi + \boxed{\phantom{00}} \times \pi \\ = \boxed{\phantom{00}} \times \pi$$

$$(8) \quad 6 \times 2 \times \pi + 3 \times 2 \times \pi \times 2 = \boxed{\phantom{00}} \times \pi + \boxed{\phantom{00}} \times \pi \\ = \boxed{\phantom{00}} \times \pi$$

$$(9) \quad 5 \times 2 \times \pi \times 2 + 4 \times \pi \times 3 = \boxed{\phantom{00}} \times \pi + \boxed{\phantom{00}} \times \pi \\ = \boxed{\phantom{00}} \times \pi$$

$$(10) \quad 6 \times 6 \times \pi - 2 \times 2 \times \pi \times 4 = \boxed{\phantom{00}} \times \pi - \boxed{\phantom{00}} \times \pi \\ = \boxed{\phantom{00}} \times \pi$$

## ステップ3 分数は計算の途中で約分する

5 例にならって、 にあてはまる数を書きなさい。(  $\pi = 3.14$  )

【例】  $\frac{2}{4} \times \pi \times \frac{1}{2} + \frac{1}{3} \times \pi \times \frac{1}{3} = \boxed{2} \times \pi + \boxed{1} \times \pi$   
 $= \boxed{3} \times \pi$   
 $= \boxed{9.42}$

(1)  $2 \times \pi \times \frac{1}{2} + 3 \times \pi \times \frac{1}{3} = \boxed{\phantom{00}} \times \pi + \boxed{\phantom{00}} \times \pi$   
 $= \boxed{\phantom{00}} \times \pi$   
 $= \boxed{\phantom{0000}}$

(2)  $4 \times \pi \times \frac{1}{4} + 6 \times \pi \times \frac{1}{3} = \boxed{\phantom{00}} \times \pi + \boxed{\phantom{00}} \times \pi$   
 $= \boxed{\phantom{00}} \times \pi$   
 $= \boxed{\phantom{0000}}$

(3)  $4 \times \pi \times \frac{1}{2} + 8 \times \pi \times \frac{1}{4} = \boxed{\phantom{00}} \times \pi + \boxed{\phantom{00}} \times \pi$   
 $= \boxed{\phantom{00}} \times \pi$   
 $= \boxed{\phantom{0000}}$



$$\begin{aligned}
 (4) \quad 12 \times \pi \times \frac{1}{6} + 9 \times \pi \times \frac{1}{3} &= \square \times \pi + \square \times \pi \\
 &= \square \times \pi \\
 &= \square
 \end{aligned}$$

$$\begin{aligned}
 (5) \quad 16 \times \pi \times \frac{1}{2} - 12 \times \pi \times \frac{1}{6} &= \square \times \pi - \square \times \pi \\
 &= \square \times \pi \\
 &= \square
 \end{aligned}$$

$$\begin{aligned}
 (6) \quad 20 \times \pi \times \frac{1}{2} - 12 \times \pi \times \frac{1}{4} &= \square \times \pi - \square \times \pi \\
 &= \square \times \pi \\
 &= \square
 \end{aligned}$$

$$\begin{aligned}
 (7) \quad 36 \times \pi \times \frac{1}{3} - 16 \times \pi \times \frac{1}{4} &= \square \times \pi - \square \times \pi \\
 &= \square \times \pi \\
 &= \square
 \end{aligned}$$

## ステップ4 共通部分でまとめる

6 例にならって、 にあてはまる数を書きなさい。(  $\pi = 3.14$  )

【例】  $2 \times (2 \times \pi) + 3 \times (2 \times \pi) = ( \boxed{2} + \boxed{3} ) \times (2 \times \pi)$   
 $= \boxed{5} \times (2 \times \pi)$   
 $= \boxed{10} \times \pi$   
 $= \boxed{31.4}$

(1)  $2 \times 2 \times \pi + 8 \times 2 \times \pi = ( \boxed{\phantom{00}} + \boxed{\phantom{00}} ) \times 2 \times \pi$   
 $= \boxed{\phantom{00}} \times 2 \times \pi$   
 $= \boxed{\phantom{00}} \times \pi$   
 $= \boxed{\phantom{0000}}$

(2)  $7 \times 2 \times \pi + 8 \times 2 \times \pi = ( \boxed{\phantom{00}} + \boxed{\phantom{00}} ) \times 2 \times \pi$   
 $= \boxed{\phantom{00}} \times 2 \times \pi$   
 $= \boxed{\phantom{00}} \times \pi$   
 $= \boxed{\phantom{0000}}$

$$\begin{aligned}(3) \quad 12 \times 2 \times \pi + 8 \times 2 \times \pi &= (\square + \square) \times 2 \times \pi \\ &= \square \times 2 \times \pi \\ &= \square \times \pi \\ &= \square\end{aligned}$$

$$\begin{aligned}(4) \quad 10 \times 2 \times \pi + 15 \times 2 \times \pi &= (\square + \square) \times 2 \times \pi \\ &= \square \times 2 \times \pi \\ &= \square \times \pi \\ &= \square\end{aligned}$$

$$\begin{aligned}(5) \quad 12 \times 2 \times \pi - 9 \times 2 \times \pi &= (\square - \square) \times 2 \times \pi \\ &= \square \times 2 \times \pi \\ &= \square \times \pi \\ &= \square\end{aligned}$$

## ステップ5 よく使う分数は覚える

7

次の分数を約分して、最もかんたんな分数にしてください。

(1) 
$$\frac{90}{360}$$

(2) 
$$\frac{180}{360}$$

(3) 
$$\frac{270}{360}$$

270は90の3倍です。

(4) 
$$\frac{60}{360}$$

(5) 
$$\frac{120}{360}$$

(6) 
$$\frac{240}{360}$$

240は120の2倍です。

(7) 
$$\frac{45}{360}$$

(8) 
$$\frac{135}{360}$$

(9) 
$$\frac{30}{360}$$

(10) 
$$\frac{150}{360}$$

150は30の5倍です。

(11) 
$$\frac{72}{360}$$

(12) 
$$\frac{144}{360}$$

144は72の2倍です。

## ステップ6 大きい分数は先に約分する

8 例にならって、 にあてはまる数を書きなさい。(  $\pi = 3.14$  )

$$\begin{aligned}
 \text{【例】 } 4 \times \pi \times \frac{180}{360} + 3 \times \pi \times \frac{120}{360} &= \boxed{2} \times \pi + \boxed{1} \times \pi \\
 &= \boxed{3} \times \pi \\
 &= \boxed{9.42}
 \end{aligned}$$

$$\begin{aligned}
 (1) \quad 4 \times \pi \times \frac{90}{360} + 3 \times \pi \times \frac{120}{360} &= \boxed{\phantom{00}} \times \pi + \boxed{\phantom{00}} \times \pi \\
 &= \boxed{\phantom{00}} \times \pi \\
 &= \boxed{\phantom{0000}}
 \end{aligned}$$

$$\begin{aligned}
 (2) \quad 8 \times \pi \times \frac{90}{360} + 4 \times \pi \times \frac{180}{360} &= \boxed{\phantom{00}} \times \pi + \boxed{\phantom{00}} \times \pi \\
 &= \boxed{\phantom{00}} \times \pi \\
 &= \boxed{\phantom{0000}}
 \end{aligned}$$

$$\begin{aligned}
 (3) \quad 16 \times \pi \times \frac{45}{360} + 9 \times \pi \times \frac{120}{360} &= \boxed{\phantom{00}} \times \pi + \boxed{\phantom{00}} \times \pi \\
 &= \boxed{\phantom{00}} \times \pi \\
 &= \boxed{\phantom{0000}}
 \end{aligned}$$

$$\begin{aligned}
 (4) \quad 15 \times \pi \times \frac{240}{360} - 10 \times \pi \times \frac{144}{360} &= \boxed{\phantom{00}} \times \pi - \boxed{\phantom{00}} \times \pi \\
 &= \boxed{\phantom{00}} \times \pi \\
 &= \boxed{\phantom{0000}}
 \end{aligned}$$

$$\begin{aligned}
 (5) \quad 4 \times 4 \times \pi \times \frac{270}{360} - 5 \times 5 \times \pi \times \frac{72}{360} &= \boxed{\phantom{00}} \times \pi - \boxed{\phantom{00}} \times \pi \\
 &= \boxed{\phantom{00}} \times \pi \\
 &= \boxed{\phantom{0000}}
 \end{aligned}$$

$$\begin{aligned}
 (6) \quad 8 \times 2 \times \pi \times \frac{90}{360} + 6 \times 2 \times \pi \times \frac{120}{360} &= \boxed{\phantom{00}} \times \pi + \boxed{\phantom{00}} \times \pi \\
 &= \boxed{\phantom{00}} \times \pi \\
 &= \boxed{\phantom{0000}}
 \end{aligned}$$

$$\begin{aligned}
 (7) \quad 3 \times 3 \times \pi \times \frac{120}{360} + 4 \times 2 \times \pi \times \frac{270}{360} &= \boxed{\phantom{00}} \times \pi + \boxed{\phantom{00}} \times \pi \\
 &= \boxed{\phantom{00}} \times \pi \\
 &= \boxed{\phantom{0000}}
 \end{aligned}$$

9

例にならって、 にあてはまる数を書きなさい。(  $\pi = 3.14$  )

$$\begin{aligned}
 \text{【例】 } 4 \times \pi \times \frac{180}{360} + 6 \times \pi \times \frac{180}{360} &= ( \boxed{4} + \boxed{6} ) \times \pi \times \frac{180}{360} \\
 &= \boxed{10} \times \pi \times \frac{180}{360} \\
 &= \boxed{5} \times \pi \\
 &= \boxed{15.7}
 \end{aligned}$$

$$\begin{aligned}
 (1) \quad 1 \times \pi \times \frac{180}{360} + 5 \times \pi \times \frac{180}{360} &= ( \boxed{\phantom{00}} + \boxed{\phantom{00}} ) \times \pi \times \frac{180}{360} \\
 &= \boxed{\phantom{00}} \times \pi \times \frac{180}{360} \\
 &= \boxed{\phantom{00}} \times \pi \\
 &= \boxed{\phantom{0000}}
 \end{aligned}$$

$$\begin{aligned}
 (2) \quad 2 \times \pi \times \frac{120}{360} + 10 \times \pi \times \frac{120}{360} &= ( \boxed{\phantom{00}} + \boxed{\phantom{00}} ) \times \pi \times \frac{120}{360} \\
 &= \boxed{\phantom{00}} \times \pi \times \frac{120}{360} \\
 &= \boxed{\phantom{00}} \times \pi \\
 &= \boxed{\phantom{0000}}
 \end{aligned}$$

$$\begin{aligned}
 (3) \quad 25 \times \pi \times \frac{60}{360} + 5 \times \pi \times \frac{60}{360} &= (\square + \square) \times \pi \times \frac{60}{360} \\
 &= \square \times \pi \times \frac{60}{360} \\
 &= \square \times \pi \\
 &= \square
 \end{aligned}$$

$$\begin{aligned}
 (4) \quad 8 \times \pi \times \frac{120}{360} + 10 \times \pi \times \frac{120}{360} &= (\square + \square) \times \pi \times \frac{120}{360} \\
 &= \square \times \pi \times \frac{120}{360} \\
 &= \square \times \pi \\
 &= \square
 \end{aligned}$$

$$\begin{aligned}
 (5) \quad 10 \times \pi \times \frac{60}{360} + 32 \times \pi \times \frac{60}{360} &= (\square + \square) \times \pi \times \frac{60}{360} \\
 &= \square \times \pi \times \frac{60}{360} \\
 &= \square \times \pi \\
 &= \square
 \end{aligned}$$



ステップ7  $\pi$ と関係ない数字がある場合

10 例にならって、 にあてはまる数を書きなさい。(  $\pi = 3.14$  )

【例】  $2 \times \pi + 3 \times \pi + 10 =$    $\times \pi +$    
 $=$    $+$    
 $=$

$\pi$ に関係するところだけまとめて計算します。

(1)  $2 \times \pi + 1 \times \pi + 10 =$    $\times \pi +$    
 $=$    $+$    
 $=$

(2)  $1 \times \pi + 3 \times \pi + 10 =$    $\times \pi +$    
 $=$    $+$    
 $=$

(3)  $3 \times \pi + 2 \times \pi + 10 =$    $\times \pi +$    
 $=$    $+$    
 $=$

$$\begin{aligned}
 (4) \quad 4 \times \pi + 2 \times \pi + 10 &= \boxed{\phantom{00}} \times \pi + \boxed{\phantom{00}} \\
 &= \boxed{\phantom{0000}} + \boxed{\phantom{00}} \\
 &= \boxed{\phantom{0000}}
 \end{aligned}$$

$$\begin{aligned}
 (5) \quad 12 \times \pi - 5 \times \pi + 10 &= \boxed{\phantom{00}} \times \pi + \boxed{\phantom{00}} \\
 &= \boxed{\phantom{0000}} + \boxed{\phantom{00}} \\
 &= \boxed{\phantom{0000}}
 \end{aligned}$$

$$\begin{aligned}
 (6) \quad 15 \times \pi - 7 \times \pi - 10 &= \boxed{\phantom{00}} \times \pi - \boxed{\phantom{00}} \\
 &= \boxed{\phantom{0000}} - \boxed{\phantom{00}} \\
 &= \boxed{\phantom{0000}}
 \end{aligned}$$

$$\begin{aligned}
 (7) \quad 15 \times \pi - 6 \times \pi - 20 &= \boxed{\phantom{00}} \times \pi - \boxed{\phantom{00}} \\
 &= \boxed{\phantom{0000}} - \boxed{\phantom{00}} \\
 &= \boxed{\phantom{0000}}
 \end{aligned}$$

## ステップ8 まとめ

11  にあてはまる数を書きなさい。(  $\pi = 3.14$  )

$$\begin{aligned}
 (1) \quad 1 \times 1 \times \pi + 2 \times 2 \times \pi + 10 &= \boxed{\phantom{00}} \times \pi + \boxed{\phantom{00}} \times \pi + \boxed{\phantom{00}} \\
 &= \boxed{\phantom{00}} \times \pi + \boxed{\phantom{00}} \\
 &= \boxed{\phantom{0000}}
 \end{aligned}$$

$$\begin{aligned}
 (2) \quad 4 \times 4 \times \pi - 3 \times 3 \times \pi + 20 &= \boxed{\phantom{00}} \times \pi - \boxed{\phantom{00}} \times \pi + \boxed{\phantom{00}} \\
 &= \boxed{\phantom{00}} \times \pi + \boxed{\phantom{00}} \\
 &= \boxed{\phantom{0000}}
 \end{aligned}$$

$$\begin{aligned}
 (3) \quad 1 \times \pi \times 4 + 2 \times \pi \times 2 - 10 &= \boxed{\phantom{00}} \times \pi + \boxed{\phantom{00}} \times \pi - \boxed{\phantom{00}} \\
 &= \boxed{\phantom{00}} \times \pi - \boxed{\phantom{00}} \\
 &= \boxed{\phantom{0000}}
 \end{aligned}$$

$$\begin{aligned}
 (4) \quad 8 \times \pi \times 2 - 5 \times \pi \times 2 + 20 &= \boxed{\phantom{00}} \times \pi - \boxed{\phantom{00}} \times \pi + \boxed{\phantom{00}} \\
 &= \boxed{\phantom{00}} \times \pi + \boxed{\phantom{00}} \\
 &= \boxed{\phantom{0000}}
 \end{aligned}$$

$$\begin{aligned}
 (5) \quad 8 \times \pi \times \frac{180}{360} + 20 \times \pi \times \frac{90}{360} + 10 &= \boxed{\phantom{00}} \times \pi + \boxed{\phantom{00}} \times \pi + \boxed{\phantom{00}} \\
 &= \boxed{\phantom{00}} \times \pi + \boxed{\phantom{00}} \\
 &= \boxed{\phantom{0000}}
 \end{aligned}$$

$$\begin{aligned}
 (6) \quad 15 \times \pi \times \frac{120}{360} - 18 \times \pi \times \frac{60}{360} - 5 &= \boxed{\phantom{00}} \times \pi - \boxed{\phantom{00}} \times \pi - \boxed{\phantom{00}} \\
 &= \boxed{\phantom{00}} \times \pi - \boxed{\phantom{00}} \\
 &= \boxed{\phantom{0000}}
 \end{aligned}$$

$$\begin{aligned}
 (7) \quad 3 \times \pi \times \frac{1}{2} + 4 \times \pi \times \frac{1}{2} + 5 \times \pi \times \frac{1}{2} + 10 \\
 &= ( \boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{00}} ) \times \pi \times \frac{1}{2} + \boxed{\phantom{00}} \\
 &= \boxed{\phantom{00}} \times \pi + \boxed{\phantom{00}} \\
 &= \boxed{\phantom{0000}}
 \end{aligned}$$

$$(8) \quad 6 \times \pi \times \frac{1}{3} + 8 \times \pi \times \frac{1}{3} + 10 \times \pi \times \frac{1}{3} - 10$$

$$= ( \square + \square + \square ) \times \pi \times \frac{1}{3} - \square$$

$$= \square \times \pi - \square$$

$$= \square$$

$$(9) \quad 3 \times 3 \times \pi + 4 \times 4 \times \pi - 5 \times 5 \times \pi + 10$$

$$= \square \times \pi + \square \times \pi - \square \times \pi + \square$$

$$= \square$$

$$(10) \quad 6 + 3 \times 3 \times \pi \times \frac{1}{2} + 4 \times 4 \times \pi \times \frac{1}{2} - 5 \times 5 \times \pi \times \frac{1}{2}$$

$$= \square + ( \square + \square - \square ) \times \pi \times \frac{1}{2}$$

$$= \square$$

## ■ 解答 ■

- 1 (1) 2、2、4、6.28  
 (2) 1、2、3、9.42  
 (3) 2、2、4、12.56  
 (4) 2、3、5、15.7  
 (5) 4、2、6、18.84  
 (6) 7、21.98  
 (7) 8、25.12  
 (8) 9、28.26  
 (9) 4、12.56  
 (10) 5、15.7  
 (11) 6、18.84  
 (12) 7、21.98

- 2 (1) 3、1、2、6.28  
 (2) 5、2、3、9.42  
 (3) 6、2、4、12.56  
 (4) 5、15.7  
 (5) 6、18.84  
 (6) 7、21.98  
 (7) 8、25.12  
 (8) 9、28.26  
 (9) 3、9.42  
 (10) 4、12.56  
 (11) 5、15.7  
 (12) 6、18.84  
 (13) 9、28.26  
 (14) 8、25.12  
 (15) 7、21.98

- 3 (1) 4、9、13  
 (2) 4、16、20  
 (3) 25、9、16  
 (4) 36、9、27  
 (5) 16、36、52

- 4 (1) 6、12、18  
 (2) 12、12、24  
 (3) 20、9、11  
 (4) 30、24、6  
 (5) 18、16、34  
 (6) 16、8、8  
 (7) 6、4、10  
 (8) 12、12、24  
 (9) 20、12、32  
 (10) 36、16、20

- 5 (1) 1、1、2、6.28  
 (2) 1、2、3、9.42  
 (3) 2、2、4、12.56  
 (4) 2、3、5、15.7  
 (5) 8、2、6、18.84  
 (6) 10、3、7、21.98  
 (7) 12、4、8、25.12

- 6 (1) 2、8、10、20、62.8  
 (2) 7、8、15、30、94.2  
 (3) 12、8、20、40、125.6  
 (4) 10、15、25、50、157  
 (5) 12、9、3、6、18.84

- 7 (1)  $\frac{1}{4}$  (2)  $\frac{1}{2}$  (3)  $\frac{3}{4}$   
 (4)  $\frac{1}{6}$  (5)  $\frac{1}{3}$  (6)  $\frac{2}{3}$   
 (7)  $\frac{1}{8}$  (8)  $\frac{3}{8}$  (9)  $\frac{1}{12}$   
 (10)  $\frac{5}{12}$  (11)  $\frac{1}{5}$  (12)  $\frac{2}{5}$

- 8 (1) 1、1、2、6.28  
(2) 2、2、4、12.56  
(3) 2、3、5、15.7  
(4) 10、4、6、18.84  
(5) 12、5、7、21.98  
(6) 4、4、8、25.12  
(7) 3、6、9、28.26

- 9 (1) 1、5、6、3、9.42  
(2) 2、10、12、4、12.56  
(3) 25、5、30、5、15.7  
(4) 8、10、18、6、18.84  
(5) 10、32、42、7、21.98

- 10 (1) 3、10、9.42、10、19.42  
(2) 4、10、12.56、10、22.56  
(3) 5、10、15.7、10、25.7  
(4) 6、10、18.84、10、28.84  
(5) 7、10、21.98、10、31.98  
(6) 8、10、25.12、10、15.12  
(7) 9、20、28.26、20、8.26

- 11 (1) 1、4、10、5、10、25.7  
(2) 16、9、20、7、20、41.98  
(3) 4、4、10、8、10、15.12  
(4) 16、10、20、6、20、38.84  
(5) 4、5、10、9、10、38.26  
(6) 5、3、5、2、5、1.28  
(7) 3、4、5、10、6、10、28.84  
(8) 6、8、10、10、8、10、15.12  
(9) 9、16、25、10、10  
(10) 6、9、16、25、6