

ステップ1 π 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。($\pi = 3.14$)

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

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

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

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

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

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

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

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

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

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

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

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

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

2

例にならって、 にあてはまる数を書きなさい。($\pi = 3.14$)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

ステップ2 π 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。($\pi = 3.14$)

$$\begin{aligned} \text{(例)} \quad 1 \times 1 \times \pi + 2 \times 2 \times \pi &= \boxed{1} \times \pi + \boxed{4} \times \pi \\ &= \boxed{5} \times \pi \end{aligned}$$

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

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

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

$$\begin{aligned} \text{(4)} \quad 6 \times 6 \times \pi - 3 \times 3 \times \pi &= \boxed{} \times \pi - \boxed{} \times \pi \\ &= \boxed{} \times \pi \end{aligned}$$

$$\begin{aligned} \text{(5)} \quad 4 \times 4 \times \pi + 6 \times 6 \times \pi &= \boxed{} \times \pi + \boxed{} \times \pi \\ &= \boxed{} \times \pi \end{aligned}$$

4

例にならって、 にあてはまる数を書きなさい。($\pi = 3.14$)

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

※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。

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

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

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

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

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

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

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

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

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

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

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。($\pi = 3.14$)

$$\begin{aligned}
 \text{(例)} \quad \cancel{4}^2 \times \pi \times \frac{1}{\cancel{2}_1} + \cancel{3}^1 \times \pi \times \frac{1}{\cancel{3}_1} &= \boxed{2} \times \pi + \boxed{1} \times \pi \\
 &= \boxed{3} \times \pi \\
 &= \boxed{9.42}
 \end{aligned}$$

$$\begin{aligned}
 \text{(1)} \quad 2 \times \pi \times \frac{1}{2} + 3 \times \pi \times \frac{1}{3} &= \boxed{} \times \pi + \boxed{} \times \pi \\
 &= \boxed{} \times \pi \\
 &= \boxed{}
 \end{aligned}$$

$$\begin{aligned}
 \text{(2)} \quad 4 \times \pi \times \frac{1}{4} + 6 \times \pi \times \frac{1}{3} &= \boxed{} \times \pi + \boxed{} \times \pi \\
 &= \boxed{} \times \pi \\
 &= \boxed{}
 \end{aligned}$$

$$\begin{aligned}
 \text{(3)} \quad 4 \times \pi \times \frac{1}{2} + 8 \times \pi \times \frac{1}{4} &= \boxed{} \times \pi + \boxed{} \times \pi \\
 &= \boxed{} \times \pi \\
 &= \boxed{}
 \end{aligned}$$

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

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

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

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

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。($\pi = 3.14$)

$$\begin{aligned}
 \text{(例)} \quad 2 \times 2 \times \pi + 3 \times 2 \times \pi &= (\boxed{2} + \boxed{3}) \times 2 \times \pi \\
 &= \boxed{5} \times 2 \times \pi \\
 &= \boxed{10} \times \pi \\
 &= \boxed{31.4}
 \end{aligned}$$

$$\begin{aligned}
 \text{(1)} \quad 2 \times 2 \times \pi + 8 \times 2 \times \pi &= (\boxed{} + \boxed{}) \times 2 \times \pi \\
 &= \boxed{} \times 2 \times \pi \\
 &= \boxed{} \times \pi \\
 &= \boxed{}
 \end{aligned}$$

$$\begin{aligned}
 \text{(2)} \quad 7 \times 2 \times \pi + 8 \times 2 \times \pi &= (\boxed{} + \boxed{}) \times 2 \times \pi \\
 &= \boxed{} \times 2 \times \pi \\
 &= \boxed{} \times \pi \\
 &= \boxed{}
 \end{aligned}$$

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

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

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

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。($\pi = 3.14$)

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

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

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

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

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

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

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

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

9

例にならって、 にあてはまる数を書きなさい。 ($\pi = 3.14$)

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

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

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

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

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

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

ステップ7 π 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) $2 \times \pi + 3 \times \pi + 10 =$ $\times \pi +$
 $=$ $+$
 $=$

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

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

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

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

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

ステップ8 まとめ

11

□ にあてはまる数を書きなさい。($\pi = 3.14$)

$$\begin{aligned}
 (1) \quad 1 \times 1 \times \pi + 2 \times 2 \times \pi + 10 &= \square \times \pi + \square \times \pi + \square \\
 &= \square \times \pi + \square \\
 &= \square
 \end{aligned}$$

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

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

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

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

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

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

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

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

$$= \boxed{} \times \pi - \boxed{}$$

$$= \boxed{}$$

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

$$= \boxed{} \times \pi + \boxed{} \times \pi - \boxed{} \times \pi + \boxed{}$$

$$= \boxed{}$$

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

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

$$= \boxed{}$$

■ 解答 ■ ※各問題の最後の答えです

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

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

3 (1) 13 (2) 20 (3) 16 (4) 27 (5) 52

4 (1) 18 (2) 24 (3) 11 (4) 6 (5) 34 (6) 8 (7) 10 (8) 24 (9) 24
(10) 20

5 (1) 6.28 (2) 9.42 (3) 12.56 (4) 15.7 (5) 18.84 (6) 21.98 (7) 25.12

6 (1) 62.8 (2) 94.2 (3) 125.6 (4) 157 (5) 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) 6.28 (2) 12.56 (3) 15.7 (4) 18.84 (5) 21.98 (6) 25.12 (7) 28.26

9 (1) 9.42 (2) 12.56 (3) 15.7 (4) 18.84 (5) 21.98

10 (1) 19.42 (2) 22.56 (3) 25.7 (4) 28.84 (5) 31.98 (6) 15.12 (7) 8.26

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