中学数学 **数学 1 年** 

## 文字と式 ★ 学習計画書 ★

| -71  |    |    |    |    |    |    |    |    |    |     |    | 20 11                |     |     |  |  |  |
|------|----|----|----|----|----|----|----|----|----|-----|----|----------------------|-----|-----|--|--|--|
|      | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | %  | 学習予定数                | 学習済 | 残り数 |  |  |  |
| 履修率  |    |    |    |    |    |    |    |    |    |     | 0% | 207                  | 0   | 207 |  |  |  |
| 正答率  |    |    |    |    |    |    |    |    |    |     | 0% | 解いた問題を正解できた割合        |     |     |  |  |  |
| 学力化率 |    |    |    |    |    |    |    |    |    |     | 0% | %解けなかった問題を解けるようにした割っ |     |     |  |  |  |

黄色や赤色に反転している問題は、解けるようになるまで、繰り返し練習しましょう。

|          |                              | ている問題は,解けるようになるま     |      |       |     |          |         |     |
|----------|------------------------------|----------------------|------|-------|-----|----------|---------|-----|
| 【基準】〇 すべ | て解し                          | ナた, × 解けない問題があった (「´ | /」は学 |       | した問 | 題です)     |         |     |
| 節        |                              | 学習内容                 |      | プリント  |     |          | 到達度     |     |
|          | ■項目(学習目標)■ <u></u><br>字を使った式 |                      |      | ページ   | 問題  | 第1回      | 第2回     | 第3回 |
| 1・文字を    | <u>使っ</u>                    | た式                   | ↓‡   | 骨色は習得 | ,緑色 | はリカバリ習   | 習得,黄色は未 | 習得  |
| § 1      | (1)                          | 文字の意味                | 1    | (2/4) | CH  |          |         |     |
| 文字の使用    |                              |                      |      | (3/4) | [1] |          |         |     |
|          |                              |                      |      | (4/4) | [2] |          |         |     |
|          | (2)                          | 数量を式に表す①積を表す式(1)     | 2    | (2/3) | СН  |          |         |     |
|          |                              |                      |      | (3/3) | [1] |          |         |     |
|          |                              | 数量を式に表す①積を表す式(2)     | 3    | (2/3) | СН  |          |         |     |
|          |                              |                      |      | (3/3) | [1] |          |         |     |
|          |                              | 数量を式に表す②商を表す式        | 4    | (2/3) | СН  |          |         |     |
|          |                              |                      |      | (3/3) | [1] |          |         |     |
|          |                              | 数量を式に表す③割合(百分率)      | 5    | (1/5) | СН  |          |         |     |
|          |                              |                      |      | (3/5) | СН  |          |         |     |
|          |                              |                      |      | (4/5) | [1] |          |         |     |
|          |                              |                      |      | (5/5) | [2] |          |         |     |
|          |                              | 数量を式に表す④混合問題         | 6    | (1/2) | [1] |          |         |     |
|          |                              |                      |      | (2/2) | [2] |          |         |     |
|          |                              | 数量を式に表す⑤             | 7    | (1/2) | [1] |          |         |     |
|          |                              | 2つの文字を使って            |      | (2/2) | [2] |          |         |     |
| § 2      | (1)                          | 積の表し方①文字と文字の乗法       | 8    | (2/3) | СН  |          |         |     |
| 文字を使った   |                              |                      |      | (3/3) | [1] |          |         |     |
| 式の表し方    |                              | 積の表し方②文字と数の乗法(1)     | 9    | (2/5) | СН  |          |         |     |
|          |                              |                      |      | (3/5) | [1] |          |         |     |
|          |                              |                      |      | (4/5) | [2] |          |         |     |
|          |                              |                      |      | (5/5) | [3] |          |         |     |
|          |                              | 積の表し方③文字と数の乗法(2)     | 10   | (2/3) | СН  |          |         |     |
|          |                              |                      |      | (3/3) | [1] |          |         |     |
|          |                              | 積の表し方④累乗             | 11   | (1/3) | СН  |          |         |     |
|          |                              |                      |      | (2/3) | [1] |          |         |     |
|          |                              |                      |      | (3/3) | [2] |          |         |     |
|          |                              | 積の表し方⑤まとめと練習         | 12   | (1/5) | [1] |          |         |     |
|          |                              |                      |      | (2/5) | [2] |          |         |     |
|          |                              |                      |      | (3/5) | [3] |          |         |     |
|          |                              |                      |      | (4/5) | [4] |          |         |     |
|          |                              |                      |      | (5/5) | [5] |          |         |     |
|          | (2)                          | 商の表し方①単項式の除法         | 13   | (2/3) | CH  |          |         |     |
|          |                              |                      |      | (3/3) | [1] |          |         |     |
|          |                              | 商の表し方②(多項式)を含む除法     | 14   | (2/4) | СН  |          |         |     |
|          |                              |                      |      | (3/4) | [1] |          |         |     |
|          |                              |                      |      | (4/4) | [2] |          |         |     |
|          |                              | 商の表し方③分数を含む式(1)      | 15   | (2/3) | СН  | <u> </u> |         |     |

|     |                     | 1           | (2/2)          | 717        |  |  |  |
|-----|---------------------|-------------|----------------|------------|--|--|--|
|     | <br>商の表し方④分数を含む式(2) | 16          | (3/3) $(2/3)$  | [1]<br>CH  |  |  |  |
|     | 間の衣じが使が致を召む式(2)     | 10          | (2/3)          | [1]        |  |  |  |
|     | <br>商の表し方⑤分数を含む式(3) | 17          | (3/3) $(2/4)$  | CH         |  |  |  |
|     | 同の我に力受力数を占む式(の)     | 17          | (3/4)          | [1]        |  |  |  |
|     |                     |             | (4/4)          | [2]        |  |  |  |
|     | <br>商の表し方⑥分数を含む式(4) | 18          | (2/5)          | CH         |  |  |  |
|     | 同のなどが受力数を占む式(す)     | 10          | (3/5)          | [1]        |  |  |  |
|     |                     |             | (4/5)          | [2]        |  |  |  |
|     |                     |             | (5/5)          | [3]        |  |  |  |
|     | <br>商の表し方⑦分数を含む式(5) | 19          | (2/5)          | CH         |  |  |  |
|     |                     |             | (3/5)          | [1]        |  |  |  |
|     |                     |             | (4/5)          | [2]        |  |  |  |
|     |                     |             | (5/5)          | [3]        |  |  |  |
| (3) | 乗除混合計算              | 20          | (2/6)          | CH         |  |  |  |
|     |                     |             | (3/6)          | [1]        |  |  |  |
|     |                     |             | (5/6)          | СН         |  |  |  |
|     |                     |             | (6/6)          | [2]        |  |  |  |
|     | * 補充問題_             | 20h         | (1/5)          | [1]        |  |  |  |
|     |                     |             | (2/5)          | [2]        |  |  |  |
|     |                     |             | (3/5)          | [3]        |  |  |  |
|     |                     |             | (4/5)          | [4]        |  |  |  |
|     |                     |             | (5/5)          | [5]        |  |  |  |
| (4) | 四則混合計算              | 21          | (1/3)          | СН         |  |  |  |
|     |                     |             | (2/3)          | [1]        |  |  |  |
|     |                     |             | (3/3)          | [2]        |  |  |  |
|     | *補充問題_              | 21h         |                | [1]        |  |  |  |
|     |                     |             | (2/3)          | [2]        |  |  |  |
| 4=> |                     |             | (3/3)          | [3]        |  |  |  |
| (5) | 式の意味                | 22          | (2/6)          | CH         |  |  |  |
|     |                     |             | (3/6)          | [1]        |  |  |  |
|     |                     |             | (5/6)          | CH         |  |  |  |
|     | * 補充問題              | 22h         | (6/6)          | [2]<br>[1] |  |  |  |
|     | ◆桶儿问趣_              | ZZII        | (1/2)<br>(2/2) | [2]        |  |  |  |
| (6) | <br>§ 2 (第2節) のまとめ① | 23          | (2/2) $(1/2)$  | [1]        |  |  |  |
| (0) | - 文字を使った式の表し方       | 25          | (2/2)          | [2]        |  |  |  |
|     | § 2(第2節)のまとめ②       | 24          | (1/2)          | [1]        |  |  |  |
|     | 一文字を使った式の表し方        |             | (2/2)          | [2]        |  |  |  |
|     | § 2(第2節)のまとめ③       | 25          | (1/1)          | [1]        |  |  |  |
|     | § 2(第2節)のまとめ④       | 26          | (1/2)          | [1]        |  |  |  |
|     | - 文字を使った式の表し方       |             | (2/2)          | [2]        |  |  |  |
|     | § 2(第2節)のまとめ⑤       | 27          | (1/2)          | [1]        |  |  |  |
|     | - 文字を使った式の表し方       |             | (2/2)          | [2]        |  |  |  |
| (7) | いろいろな数量の表し方①和や差     | 28          | (2/4)          | СН         |  |  |  |
|     |                     |             | (3/4)          | [1]        |  |  |  |
|     |                     |             | (4/4)          | [2]        |  |  |  |
|     | いろいろな数量の表し方②平均      | 29          | (3/5)          | [1]        |  |  |  |
|     |                     |             | (4/5)          | [2]        |  |  |  |
|     |                     |             | (5/5)          | [3]        |  |  |  |
|     | ◇発展問題_              | <b>29</b> s | (1/4)          | [1]        |  |  |  |

|                    |          | 1                                      | i        | 1             | _     |       |                |                 |  |
|--------------------|----------|--|----------|---------------|-------|-------|----------------|-----------------|--|
|                    |          |  |          | (2/4)         | [2]   |       |                | Ш               |  |
|                    |          |  |          | (3/4)         | [3]   |       |                |                 |  |
|                    |          |  |          | (4/4)         | [4]   |       |                |                 |  |
|                    |          | ~数量の表し方③単位量あたりの量                       | 30       | (2/7)         | СН    |       |                |                 |  |
|                    |          |  |          | (3/7)         | [1]   |       |                |                 |  |
|                    |          |  |          | (5/7)         | СН    |       |                |                 |  |
|                    |          |  |          | (6/7)         | [2]   |       |                |                 |  |
|                    |          |  |          | (7/7)         | [3]   |       |                |                 |  |
|                    |          | <u></u> ~数量の表し方④単位をそろえて                | 31       | (2/4)         | CH    |       |                | $\vdash$        |  |
|                    |          | <u> </u>                               | <u> </u> | (3/4)         | [1]   |       |                |                 |  |
|                    |          |  |          | (4/4)         | [2]   |       |                | $\vdash$        |  |
|                    |          | <br> いろいろな数量の表し方⑤整数                    | 32       | (1/4)         | CH    |       |                | H               |  |
|                    |          | 1000000000000000000000000000000000000  | JZ       |               |       |       |                | $\vdash$        |  |
|                    |          |  |          | (2/4)         | [1]   |       |                | $\vdash$        |  |
|                    |          |  |          | (3/4)         | [2]   |       |                | $\vdash \vdash$ |  |
|                    |          |  | 22       | (4/4)         | [3]   |       |                | $\vdash$        |  |
|                    |          | いろいろな数量の表し方⑥図形                         | 33       | (2/4)         | CH    |       |                | $\vdash$        |  |
|                    |          |  |          | (3/4)         | [1]   |       |                | $\vdash \vdash$ |  |
|                    |          |  |          | (4/4)         | [2]   |       |                | $\vdash$        |  |
|                    |          | いろいろな数量の表し方⑦速さ                         | 34       | (2/3)         | CH    |       |                | $\vdash$        |  |
|                    |          |  |          | (3/3)         | [1]   |       |                | igspace         |  |
|                    |          | ◇発展問題                                  | 34s      |               | [1]   |       |                | $\sqcup$        |  |
|                    |          |  |          | (2/2)         | [2]   |       |                |                 |  |
|                    |          | ~数量の表し方⑧割合(1) 百分率                      | 35       | (2/8)         | СН    |       |                |                 |  |
|                    |          |  |          | (4/8)         | СН    |       |                | oxdot           |  |
|                    |          |  |          | (6/8)         | CH    |       |                |                 |  |
|                    |          |  |          | (7/8)         | [1]   |       |                |                 |  |
|                    |          |  |          | (8/8)         | [2]   |       |                |                 |  |
|                    |          | ~数量の表し方⑧割合(2) 歩合                       | 36       | (2/10)        | СН    |       |                |                 |  |
|                    |          |  |          | (4/10)        | СН    |       |                |                 |  |
|                    |          |  |          | (6/10)        | СН    |       |                |                 |  |
|                    |          |  |          | (7/10)        | [1]   |       |                |                 |  |
|                    |          |  |          | (8/10)        | [2]   |       |                |                 |  |
|                    |          |  |          | (9/10)        | [3]   |       |                |                 |  |
|                    |          |  |          | (10/10)       | i i i |       |                |                 |  |
|                    |          | ◇発展問題                                  | 36s      |               | [1]   |       |                |                 |  |
|                    |          |  |          | (2/2)         | [2]   |       |                |                 |  |
| § 3                | (1)      | 代入と式の値の意味                              | 37       | (3/6)         | CH    |       |                |                 |  |
| 代入と                |          |  |          | (4/6)         | [1]   |       |                |                 |  |
| 式の値                |          |  |          | (5/6)         | [2]   |       |                |                 |  |
|                    |          |  |          | (6/6)         | [3]   |       |                | $\vdash$        |  |
|                    | (2)      | 1つの文字への代入                              | 38       | (2/4)         | CH    |       |                | $\vdash$        |  |
|                    | (2)      |  |          | (3/4)         | [1]   |       |                |                 |  |
|                    |          |  |          | (4/4)         | [2]   |       |                |                 |  |
|                    | (3)      | 分母や累乗への代入                              | 39       | (2/3)         | CH    |       |                | $\vdash$        |  |
|                    | (0)      | 77 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 |          | (3/3)         | [1]   |       |                | $\vdash$        |  |
|                    | (4)      | 2種類の文字への代入                             | 40       | (3/3) $(2/3)$ | CH    |       |                | $\vdash$        |  |
|                    | (4)      | 21主規の入丁・2071(八                         | 70       |               | [1]   |       |                | $\vdash \vdash$ |  |
|                    |          | ↑ 桑 屉 <b>田</b> 旺                       | 40s      | (3/3)         |       |       | +              | $\vdash \vdash$ |  |
|                    |          | ◇発展問題                                  | 405      |               | [1]   |       |                | $\vdash$        |  |
| 2 . <del>***</del> | <u>₩</u> | <u> </u>                               | 1 =      | (2/2)         | (2)   | #4    | =No (+ + 22 /5 |                 |  |
| 2 · 文字式            |          | <b>昇</b><br>西レ仮粉①荷レ返粉 /1 次学            |          | 色 反転N0.       |       | , 東巴及 | 呍№.は未習得        | F垻日             |  |

§ 1 (1) 項と係数①項と係数/1次式

**41** (3/6) CH

| 1 %-4 0 | ı   | I                   |      | (4.15)        | 7.3        |   | I | ı  | 1 |
|---------|-----|---------------------|------|---------------|------------|---|---|--|---|
| 1次式の    |     |                     |      | (4/6)         | [1]        |   |   | -  |   |
| 計算      |     |                     | 40   | (6/6)         | [2]        | _ |   |  |   |
|         |     | 項と係数②式を簡単にする        | 42   | (3/5)         | CH         |   |   | +  |   |
|         |     |                     |      | (4/5)         | [1]        |   |   | +  |   |
|         |     |                     | 40   | (5/5)         | [2]        |   |   | _  |   |
|         |     | 項と係数③同類項をまとめる       | 43   | (3/5)         | CH         |   |   | _  |   |
|         |     |                     |      | (4/5)         | [1]        |   |   |  |   |
|         | (0) |                     | 4.4  | (5/5)         | [2]        |   |   |  |   |
|         | (2) | 1次式の加減(かっこをはずす)<br> | 44   | (2/7)         | CH         |   |   | _  |   |
|         |     |                     |      | (4/7)         | CH         |   |   | _  |   |
|         |     |                     |      | (5/7)         | [1]        |   |   |  |   |
|         |     |                     |      | (6/7)         | [2]        |   |   |  |   |
|         | (2) | <u></u>             | 4E   | (7/7)         | [3]        |   |   |  |   |
|         | (3) | 式をたすこと・ひくこと         | 45   | (2/4)         | CH         |   |   |  |   |
|         |     | │ −1次式の加減<br>│      |      | (3/4)         | [1]        |   |   |  |   |
|         |     | ^ & B B B           | 45.  | (4/4)         | [2]        |   |   | _  |   |
|         |     | ◇発展問題               | 45s  | (1/2)         | [1]        |   |   | -  |   |
|         | (4) | 1 ねずし物の香汁の八円汁即1     | 46   | (2/2)         | [2]        |   |   |  |   |
|         | (4) | 1次式と数の乗法①分配法則1      | 46   | (3/6)         | CH         |   |   |  |   |
|         |     |                     |      | (4/6)         | [1]        |   |   | -  |   |
|         |     |                     |      | (5/6)         | [2]<br>[3] |   |   | +  |   |
|         |     | ┃<br>┃     *補充問題    | 46h  | (6/6) $(3/5)$ | CH         |   |   | +  |   |
|         |     | ~                   | 4011 | (3/5)         | [1]        |   |   | +  |   |
|         |     |                     |      | (5/5)         | [2]        |   |   |  |   |
|         |     | <br> 1次式と数の乗法②分配法則2 | 47   | (3/3) $(2/3)$ | CH         |   |   |  |   |
|         |     | 「人式と数の来法と力能法則と      | 7/   | (3/3)         | [1]        |   |   |  |   |
|         |     | <br>  *補充問題_        | 47h  |               | [1]        |   |   | +  |   |
|         |     | "福儿问题               | 7/11 | (2/2)         | [2]        |   |   | +  |   |
|         |     | <br> 1次式と数の乗法③分配法則3 | 48   | (2/4)         | CH         |   |   |  |   |
|         |     | - NACAON HIANIE     | 10   | (3/4)         | [1]        |   |   |  |   |
|         |     |                     |      | (4/4)         | [2]        |   |   | +  |   |
|         |     | <br>◇発展問題           | 48s  | (1/3)         | [1]        |   |   |  |   |
|         |     | V 93.21.4.2         |      | (2/3)         | [2]        |   |   |  |   |
|         |     |                     |      | (3/3)         | [3]        |   |   | <del>                                     </del> |   |
|         | (5) |                     | 49   | (2/4)         | CH         |   |   | _  |   |
|         |     |                     |      | (3/4)         | [1]        | 1 |   | 1  |   |
|         |     |                     |      | (4/4)         | [2]        |   |   |  |   |
|         |     | ◇発展問題_              | 49s  | (1/3)         | [1]        | 1 |   |  |   |
|         |     |                     |      | (2/3)         | [2]        | 1 |   |  |   |
|         |     |                     |      | (3/3)         | [3]        |   |   |  |   |
|         | (6) | いろいろな計算②式の代入        | 50   | (2/3)         | СН         |   |   |  |   |
|         |     |                     |      | (3/3)         | [1]        |   |   |  |   |
| § 2     | (1) | 図形の周の長さ             | 51   | (1/2)         | [1]        |   |   |  |   |
| 文字を使った  |     |                     |      | (2/2)         | [2]        |   |   |  |   |
| 公式      |     | ◇発展問題               | 51s  | (1/2)         | [1]        |   |   |  |   |
|         |     |                     |      | (2/2)         | [2]        |   |   |  |   |
|         | (2) | 図形の面積①基本の図形         | 52   | (1/4)         | [1]        |   |   |  |   |
|         |     |                     |      | (2/4)         | [2]        |   |   |  |   |
|         |     |                     |      | (3/4)         | [3]        |   |   |  |   |
|         |     |                     |      |               | [4]        |   |   |  |   |
|         |     |                     |      |               |            |   |   |  |   |

|         |     |                              |              | (4/4)  | [5]           |    |                           |                          |        |                |  |
|---------|-----|------------------------------|--------------|--------|---------------|----|---------------------------|--------------------------|--------|----------------|--|
|         |     |                              |              |        | [6]           |    |                           |                          |        |                |  |
|         |     | 図形の面積②円に関する問題                | 53           | (1/3)  | [1]           |    |                           |                          |        |                |  |
|         |     |                              |              | Ī      | [2]           |    |                           |                          |        |                |  |
|         |     |                              |              | (2/3)  | [3]           |    |                           |                          |        |                |  |
|         |     |                              |              | (3/3)  | [4]           |    |                           |                          |        |                |  |
|         |     |                              |              |        | [5]           |    |                           |                          |        |                |  |
|         |     | 図形の面積③半円に関する問題               | 54           | (1/3)  | [1]           |    |                           |                          |        |                |  |
|         |     | ·                            |              | (2/3)  | [2]           |    |                           |                          |        |                |  |
|         |     |                              |              | (3/3)  | [3]           |    |                           |                          |        |                |  |
|         |     | 図形の面積44分の1円の問題               | 55           | (1/4)  | [1]           |    |                           |                          |        |                |  |
|         |     |                              |              | (2/4)  | [2]           |    |                           |                          |        |                |  |
|         |     |                              |              | (3/4)  | [3]           |    |                           |                          |        |                |  |
|         |     |                              |              | (4/4)  | [4]           |    |                           |                          |        |                |  |
|         |     | ◇発展問題                        | 55s          | (1/2)  | [1]           |    |                           |                          |        |                |  |
|         |     |                              |              | (2/2)  | [2]           |    |                           |                          |        |                |  |
| *・規則性   | に関  | する問題                         | ↓青           | 色反転No. | は習得           | 項目 | ,黄色反                      | ·転N                      | 0.は未習得 | ]項             |  |
| § 1     | _   | 共通数十右端数                      | 56           | (1/5)  | 111           |    | /                         | /                        |        | 1/             |  |
| 図形を重ねて  |     | 教材の改訂中です。学習できません             |              | (2/5)  | 121           |    |                           | 7                        |        | 1              |  |
| 並べる問題   |     |                              |              | (3/5)  | 181           |    |                           | 7                        |        | 1              |  |
|         |     |                              |              | (4/5)  | [4]           |    |                           | 7                        |        |                |  |
|         |     |                              |              | (5/5)  | [5]           |    |                           | 7                        |        | 1              |  |
|         | (2) | 共通数十両端数(図形の周囲の長さ)            | 57           | (1/4)  | M             |    | $\overline{}$             | 7                        |        | 7              |  |
|         |     |                              |              | (2/4)  | [2]           |    |                           |                          |        |                |  |
|         |     |                              |              | (3/4)  | [8]           |    |                           |                          |        |                |  |
|         |     |                              |              | (4/4)  | JAT           |    |                           |                          |        | 7              |  |
| § 2     | H   | ふえ方の <del>規則を順序数で表す</del> 問題 | 58           | (1/6)  | M             |    |                           |                          |        |                |  |
| 個数をふやして |     |                              |              | (2/6)  | 121           |    |                           | 7                        |        |                |  |
| いく問題    |     |                              |              | (3/6)  | [8]           |    |                           | 7                        |        |                |  |
|         |     |                              |              | (4/6)  | [4]           |    |                           | $\overline{Z}$           |        |                |  |
|         |     |                              |              | 別解     | JAI           |    |                           | $\overline{Z}$           |        |                |  |
|         |     |                              |              | (5/6)  | 121           |    | /                         | $\overline{\mathcal{I}}$ |        | abla           |  |
|         |     |                              |              | (6/6)  | [8]           |    |                           | $\overline{/}$           |        |                |  |
|         |     | ◇発展問題_                       | <b>58</b> \$ | (1/1)  | M             |    |                           |                          |        | $\overline{/}$ |  |
|         | (2) | マトリックスの問題                    | <b>59</b>    | (1/4)  | M             |    |                           | $\overline{/}$           |        | $\sqrt{}$      |  |
|         |     |                              |              | (2/4)  | [2]           |    |                           | $\overline{/}$           |        | $\sqrt{}$      |  |
|         |     |                              |              | (3/4)  | [8]           |    | $\overline{\hspace{1em}}$ |                          |        |                |  |
|         |     |                              |              | (4/4)  | [4]           |    | $\overline{/}$            |                          |        |                |  |
| § 3     | (H) | 循環する数列 <del>の問題</del>        | 60           | (1/2)  | $\mathcal{M}$ |    | _                         |                          |        | $\sqrt{}$      |  |
| 循環する数列  |     |                              | /            | (2/2)  | J21           |    |                           | $\mathbb{Z}$             |        | /              |  |
|         |     |                              |              |        |               |    |                           |                          |        |                |  |