OneInMath

Mul 2d - 2d x 1d (Pages 13 to 17, Packet #274)

Tutor: _____ Student: _____ Date: _____/_____/ 2025

What To Do Next

When student completes this packet:
  ☐ Check packet for accuracy.
  ☐ Ask oral questions and determine next assignment.

Assign packet (check one): _____ Classwork _____ Homework
  ☐ Finish this packet.
  ☐ Repeat this packet (#274): Mul 2d - 2d x 1d
  ☐ Assign next packet (#275): Mul 2d - 2d x 2d
  ☐ Assign another packet: _____

Instructions For This Packet

No instructions. Use common sense :)

Video Links

No video recommendations.

Tutor Notes

_____

_____

Multiplication 2d – Solving 2d x 1d - no carry

Example 1: 62 x 4

$$6\ 2$$
$$\times\quad 4$$
—

$$6\ 2$$
$$\times\quad 4$$
$$8$$

$$6\ 2$$
$$\times\quad 4$$
$$2\ 4\ 8$$

Multiply unit place first:
4 x 2 = 8
Write 8 In unit place, there is nothing to carry to tens place

Multiply tens place next:
4 x 6 = 24
No carry to add to 24

Example 2: 91 x 7

$$9\ 1$$
$$\times\quad 7$$
—

$$9\ 1$$
$$\times\quad 7$$
$$7$$

$$9\ 1$$
$$\times\quad 7$$
$$6\ 3\ 7$$

7 x 1 = 7

7 x 9 = 63

1 0	9 0	6 0	8 2	8 1
× 5	× 4	× 1	× 1	× 4
_____	_____	_____	_____	_____

9 1	2 1	5 0	9 0	7 7
× 1	× 9	× 1	× 9	× 1
_____	_____	_____	_____	_____

1 0	1 4	8 3	8 3	3 0
× 2	× 1	× 2	× 3	× 6
_____	_____	_____	_____	_____

8 4	7 9	5 5	6 1	4 2
× 2	× 1	× 1	× 7	× 3
_____	_____	_____	_____	_____

4 0	7 0	5 1	6 3	8 0
× 3	× 3	× 7	× 2	× 3
_____	_____	_____	_____	_____

Mul 2d - 2d x 1d - 2d x 1d no carry

Multiplication 2d - Solving 2d x 1d - with carry
Example 1: 65 x 4

```
      6 5
  x     4
  _____
```

```
    2
    6 5
  x   4
  _____
        0
```

Multiply unit place first:
4 x 5 = 20
Write 0 In unit place, carry 2 in tens place

```
    2
    6 5
  x   4
  _____
    2 6 0
```

Multiply tens place next:
4 x 6 = 24
Add carry to the result:
24 + 2 = 26

Example 2: 86 x 7

```
    8 6
  x   7
  _____
```

```
    4
    8 6
  x   7
  _____
        2
```

7 x 6 = 42

```
    4
    8 6
  x   7
  _____
    6 0 5
```

7 x 8 = 56
56 +43 = 60

9 4	8 8	7 4	4 9	2 4
× 4	× 6	× 9	× 4	× 7

5 4	5 3	2 3	8 5	3 7
× 7	× 9	× 9	× 3	× 6

2 4	4 3	3 7	7 3	7 4
× 3	× 6	× 5	× 5	× 8

1 3	1 4	1 3	2 9	8 2
× 5	× 6	× 4	× 7	× 9

3 8	1 7	4 5	1 8	7 4
× 4	× 9	× 8	× 4	× 4

```
    5 2        5 6        2 9        4 5        6 8
  ×   7      ×   2      ×   2      ×   5      ×   6
  ──────     ──────     ──────     ──────     ──────

  ──────     ──────     ──────     ──────     ──────


    7 2        9 5        2 6        2 6        7 7
  ×   5      ×   4      ×   7      ×   3      ×   2
  ──────     ──────     ──────     ──────     ──────

  ──────     ──────     ──────     ──────     ──────


    8 7        4 7        2 9        8 4        4 3
  ×   8      ×   4      ×   9      ×   8      ×   8
  ──────     ──────     ──────     ──────     ──────

  ──────     ──────     ──────     ──────     ──────


    8 9        2 8        8 7        1 5        3 2
  ×   5      ×   3      ×   7      ×   2      ×   7
  ──────     ──────     ──────     ──────     ──────

  ──────     ──────     ──────     ──────     ──────


    7 5        3 5        3 8        3 8        1 3
  ×   8      ×   4      ×   2      ×   6      ×   9
  ──────     ──────     ──────     ──────     ──────

  ──────     ──────     ──────     ──────     ──────
```