OneInMath

Mul 2d - 2d x 2d (Pages 18 to 22, Packet #275)

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 (#275): Mul 2d - 2d x 2d
- ☐ Assign next packet (#276): Mul 2d - eval
- ☐ Assign another packet: _____

Instructions For This Packet

No instructions. Use common sense :)

Video Links

No video recommendations.

Tutor Notes

_____

_____

Multiplication 2d - Solving 2d x 2d- with carry

$$6\ 5$$
$$x\ 3\ 4$$

Steps:
1. multuiply 65 x 4
2. multiply 65 x 30
3. Add both the numbers

Step 1: 65 x 4

$$2$$
$$6\ 5$$
$$x\ 3\ 4$$
$$0$$

$$2$$
$$6\ 5$$
$$x\ 3\ 4$$
$$2\ 6\ 0$$

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

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

Multiplication - Solving 2d x 2d- with carry

Step 2:
65 x 30 => write 65 x 3 starting
from tens place

$$
\begin{array}{r}
1\ \ \\
2\ \ \\
6\ 5 \\
\times\ 3\ 4 \\
\hline
2\ 6\ 0 \\
5\ \ \ \\
\hline
\end{array}
$$

$$
\begin{array}{r}
1\ \ \\
2\ \ \\
6\ 5 \\
\times\ 3\ 4 \\
\hline
2\ 6\ 0 \\
1\ 9\ 5 \\
\hline
\end{array}
$$

Multiply unit place:

3 x 5 = 15

Write 5 In ten place,
carry 1 in tens place

Multiply unit place:

3 x 6 = 18

Add carry to the result

18 + 1 = 19

Mul 2d - 2d x 2d - 2d x 2d instructions

Multiplication - Solving 2d x 2d- with carry

Step 3:
Add the two numbers

$$
\begin{array}{r}
1 \\
2 \\
6\,5 \\
\times\ 3\,4 \\
\hline
2\,6\,0 \\
+\,1\,9\,5 \\
\hline
2\,2\,1\,0
\end{array}
$$

Add two numbers:
260 + 1950 = 2210

```
    7 0            3 0            6 7            5 7
×   1 7        ×   8 7        ×   2 2        ×   9 8
_____      _____      _____      _____


_____      _____      _____      _____


_____      _____      _____      _____
```

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


_____      _____      _____      _____


_____      _____      _____      _____
```

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


_____      _____      _____      _____


_____      _____      _____      _____
```

```
    28              80              98              76
  × 35            × 88            × 67            × 56
  -------         -------         -------         -------

  _____         _____         _____         _____

  _____         _____         _____         _____



    18              23              22              33
  × 24            × 62            × 69            × 59
  -------         -------         -------         -------

  _____         _____         _____         _____

  _____         _____         _____         _____



    85              20              62              24
  × 23            × 10            × 15            × 37
  -------         -------         -------         -------

  _____         _____         _____         _____

  _____         _____         _____         _____
```