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```
Question One Output
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```

```
5 floats were read
```

```
the sum of cubes is 86.625
```

```
::::
```

```
Question Two Output
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::::
```

```
a: 35: *****
```

```
e: 38: *****
```

```
i: 18: *****
```

```
o: 18: *****
```

```
u: 16: *****
```

```
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```

```
Question Three Output
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```

```
Enter store code and quantity: u6 2
```

```
2 USB cables (6 foot) costs $48.00 (total = $48.00)
```

```
Enter store code and quantity: u10 2
```

```
2 USB cables (10 foot) costs $72.00 (total = $120.00)
```

```
Enter store code and quantity: u8 2
```

```
Invalid Input (Length)
```

```
Enter store code and quantity: a2 2
```

```
Invalid Input (Type)
```

```
Enter store code and quantity: e25 2
```

```
2 Ethernet cables (25 foot) costs $36.00 (total = $156.00)
```

```
Enter store code and quantity: e50 2
```

```
2 Ethernet cables (50 foot) costs $60.00 (total = $216.00)
```

```
Enter store code and quantity: e60 2
```

```
Invalid Input (Length)
```

```
Enter store code and quantity: a
```

```
Invalid Input (Type)
```

```
Enter store code and quantity: q
```

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Question Four Output
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Lumber Size	Cross sectional Area	Moment of Inertia	Section Modulus
2 x 2	4.00	1.33	1.33
2 x 4	8.00	10.67	5.33
2 x 6	12.00	36.00	12.00
2 x 8	16.00	85.33	21.33
2 x 10	20.00	166.67	33.33
2 x 12	24.00	288.00	48.00
4 x 2	8.00	2.67	2.67
4 x 4	16.00	21.33	10.67
4 x 6	24.00	72.00	24.00
4 x 8	32.00	170.67	42.67
4 x 10	40.00	333.33	66.67
4 x 12	48.00	576.00	96.00
6 x 2	12.00	4.00	4.00
6 x 4	24.00	32.00	16.00
6 x 6	36.00	108.00	36.00
6 x 8	48.00	256.00	64.00
6 x 10	60.00	500.00	100.00
6 x 12	72.00	864.00	144.00
8 x 2	16.00	5.33	5.33
8 x 4	32.00	42.67	21.33
8 x 6	48.00	144.00	48.00
8 x 8	64.00	341.33	85.33
8 x 10	80.00	666.67	133.33
8 x 12	96.00	1152.00	192.00
10 x 2	20.00	6.67	6.67
10 x 4	40.00	53.33	26.67
10 x 6	60.00	180.00	60.00

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10 x 8	80.00	426.67	106.67
10 x 10	100.00	833.33	166.67
10 x 12	120.00	1440.00	240.00