

Name: \_\_\_\_\_

## Sewing

Amy is sewing some pants for herself. This is the rule for how much fabric she needs to buy.

- Measure from your waist to the finished length of the pants
- Double this measurement
- Add 8 inches

1. Amy's measurement from her waist to the finished length of the pants is 35 inches.

How many inches of fabric does she need? \_\_\_\_\_



2. Fabric is actually sold not in inches, but in yards. Each yard is 36 inches.

The smallest amount you can buy is a quarter of a yard. (For example, if you want one yard and 25 inches you have to buy one and three quarter yards.)

How much fabric must Amy buy for the pants? \_\_\_\_\_

3. Chris is also making some pants for herself. She buys fabric, thread, buttons and a zipper. Complete Chris's bill.

	Amount (\$)
$2\frac{1}{4}$ yards of fabric at \$5 a yard	
2 spools thread at 35¢ a spool	
3 buttons at 25¢ each	
Zipper 60¢	
Total before sales tax	
Sales tax at 10% (round this to nearest cent)	
<b>Total</b>	

Sewing	Rubric	
<p>The core elements of performance required by this task are:</p> <ul style="list-style-type: none"> <li>• use mathematics in a real situation</li> </ul> <p>Based on these, credit for specific aspects of performance should be assigned as follows</p>	points	section points
1. Gives correct answer: <b>78 inches</b>	1	1
2. Gives correct answer: $2\frac{1}{4}$ yards  <i>Partial credit</i> $2\frac{1}{6}$ or 2 yards 6 inches	2ft  (1)	2
4. $2\frac{1}{4}$ yards of fabric at \$5: <b>\$11.25</b> Thread: <b>\$0.70</b> Buttons: <b>\$0.75</b> (Zipper <b>\$0.60</b> ) Total before tax: <b>\$13.30</b> 10% sales tax: <b>\$1.33</b> Total: <b>\$14.63</b>	1 1 1  1ft 2ft 1ft	
<b>Total Points</b>		<b>10</b>