



# ***New York State Testing Program***

## **Mathematics Test**

Grade **4**

**2009 Scoring Guide Part 2**

**44**

Ms. Caldwell planted an apple tree that is 6 feet 4 inches tall. How tall is the tree in inches?

***Show your work.***

***Answer*** \_\_\_\_\_ inches

**QUESTION 44**

**STRAND 4: MEASUREMENT**

*Complete and Correct Response:*

- $6 \times 12 = 72$   
 $72 + 4 = 76$   
OR other valid process

**AND**

- 76 (inches)

*Score Points:*

Apply 2-point holistic rubric.

44

$$\begin{array}{r} \times 12 \\ 3 \\ \hline 36 \end{array} \quad \begin{array}{r} 12 \\ \times 4 \\ \hline 48 \end{array} \quad \begin{array}{r} 12 \\ \times 5 \\ \hline 60 \end{array} \quad \begin{array}{r} 12 \\ \times 6 \\ \hline 72 \end{array}$$

Ms. Caldwell planted an apple tree that is 6 feet 4 inches tall. How tall is the tree in inches?

Show your work.

$$\begin{array}{l} 1 \text{ foot} = 12 \text{ inches} \\ 2 \text{ feet} = 24 \text{ inches} \\ 3 \text{ feet} = 36 \text{ inches} \end{array} \quad \begin{array}{l} 4 \text{ feet} = 48 \text{ inches} \\ 5 \text{ feet} = 60 \text{ inches} \\ 6 \text{ feet} = 72 \text{ inches} \end{array}$$

Answer 76 inches

$$\begin{array}{r} + 72 \\ 4 \\ \hline 76 \end{array} \text{ answer}$$

This response is complete and correct.

Score Point 2

- 44 Ms. Caldwell planted an apple tree that is 6 feet 4 inches tall. How tall is the tree in inches?

Show your work.

$$\begin{array}{r} 1 \\ 12'' + \\ 12'' + \\ 12'' + \\ 12'' + \\ 12'' + \\ 12'' + \\ \hline 82'' + 6'' \\ 88'' \end{array}$$
$$\begin{array}{r} + 82 \\ + 4 \\ \hline 86 \end{array}$$

Answer 86 inches

This response is only partially correct. A sound procedure is demonstrated; however, a calculation error results in an incorrect answer.

Score Point 1

- 44** Ms. Caldwell planted an apple tree that is 6 feet 4 inches tall. How tall is the tree in inches?

*Show your work.*

$$\begin{array}{r} 12 \\ \times 6 \\ \hline 72 \end{array}$$

Answer 72 inches

This response is only partially correct. The initial procedure is appropriate; however, the final step of adding the additional 4 inches is not done, resulting in an incorrect answer.

**Score Point 1**

- 44 Ms. Caldwell planted an apple tree that is 6 feet 4 inches tall. How tall is the tree in inches?

Show your work.

$$\begin{array}{r} 12 \\ 24 \\ \hline 12 \end{array} + \begin{array}{r} 12 \\ 24 = 48 \\ \hline 12 \end{array} + \begin{array}{r} 12 \\ 24 = 72 \\ \hline 12 \\ 48 \\ 24 \\ \hline 72 \end{array} \quad \begin{array}{r} 72 \\ + 6 \\ \hline 78 \end{array}$$

Answer 78 inches

This response is only partially correct. The initial procedure is correct; however, an inappropriate number is added in the final step and results in an incorrect answer.

Score Point 1

- 44** Ms. Caldwell planted an apple tree that is 6 feet 4 inches tall. How tall is the tree in inches?

*Show your work.*

$$6 \times 12 = 72$$
$$72 + 4 = 76$$

Answer 28 inches

$$6 \times 4 = 24$$

$$24 + 4 = 28$$

This response is only partially correct. A sound mathematical procedure is exhibited; however, an incorrect conversion factor of 6 inches is used. The student does continue with the correct final step of adding the additional 4 inches.

**Score Point 1**

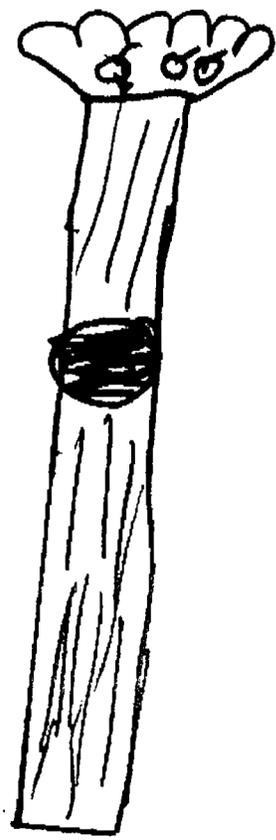
44

Ms. Caldwell planted an apple tree that is 6 feet 4 inches tall. How tall is the tree in inches?

Show your work.

$$\begin{array}{r} 6 \\ \times 4 \\ \hline 24 \end{array}$$

Answer 24 inches



This response is incorrect. The initial procedure is appropriate; however, an incorrect conversion factor of 4 inches is used, and the student does not continue by adding the additional 4 inches.

Score Point 0



# ***New York State Testing Program***

## **Mathematics Test**

Grade **4**

**2009 Practice Set**



44

Ms. Caldwell planted an apple tree that is 6 feet 4 inches tall. How tall is the tree in inches?

*Show your work.*

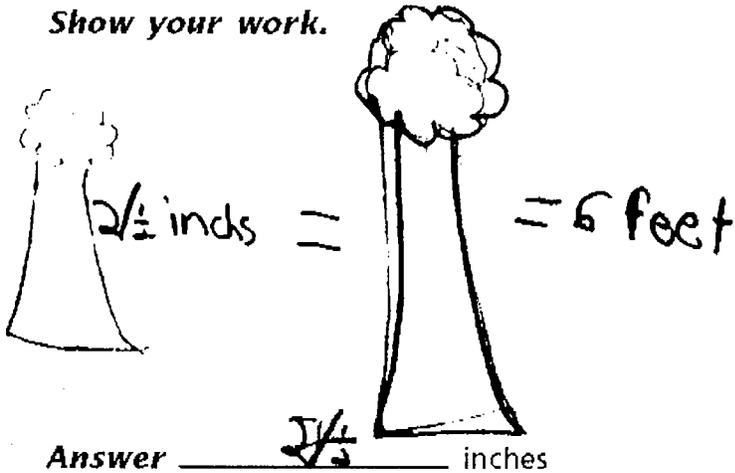
$$\begin{array}{r} 12 \\ 12 \\ 12 \\ 12 \\ 12 \\ 12 \\ + 12 \\ \hline 84 \end{array}$$

Answer 88 inches

44

Ms. Caldwell planted an apple tree that is 6 feet 4 inches tall. How tall is the tree in inches?

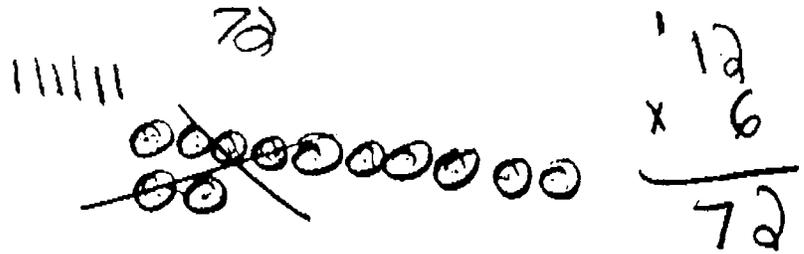
Show your work.



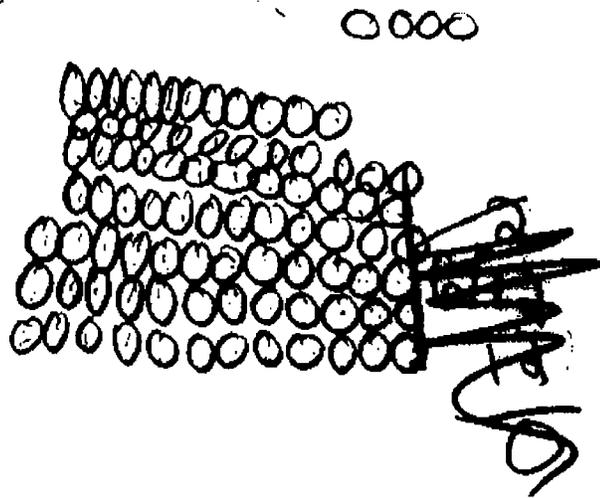
44

Ms. Caldwell planted an apple tree that is 6 feet 4 inches tall. How tall is the tree in inches?

Show your work.



Answer 72 inches



44

Ms. Caldwell planted an apple tree that is 6 feet 4 inches tall. How tall is the tree in inches?

Show your work.

$$\begin{array}{r} 1 \\ 12 \\ \times 6 \\ \hline 72 \end{array}$$

Answer 72 inches

# 4<sup>TH</sup> GRADE MATHEMATICS

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

## PRACTICE SET ANSWER KEY

PS 1	(0-2)	
PS 2	(0-2)	
PS 3	(0-2)	
PS 4	(0-2)	
PS 5	(0-2)	
PS 6	(0-2)	
PS 7	(0-2)	
PS 8	(0-2)	
PS 9	(0-2)	
PS 10	(0-2)	
PS 11	(0-2)	
PS 12	(0-2)	
PS 13	(0-2)	
PS 14	(0-2)	
PS 15	(0-2)	
PS 16	(0-2)	
PS 17	(0-2)	
PS 18	(0-2)	
PS 19	(0-2)	
PS 20	(0-2)	
PS 21	(0-2)	
PS 22	(0-2)	
PS 23	(0-2)	
PS 24	(0-2)	
PS 25	(0-2)	

PS 26	(0-2)	
PS 27	(0-2)	
PS 28	(0-2)	
PS 29	(0-2)	
PS 30	(0-2)	
PS 31	(0-2)	
PS 32	(0-2)	
PS 33	(0-2)	
PS 34	(0-2)	
PS 35	(0-2)	
PS 36	(0-3)	
PS 37	(0-3)	
PS 38	(0-3)	
PS 39	(0-3)	
PS 40	(0-3)	
PS 41	(0-3)	
PS 42	(0-3)	
PS 43	(0-3)	
PS 44	(0-3)	
PS 45	(0-3)	
PS 46	(0-2)	
PS 47	(0-2)	
PS 48	(0-2)	
PS 49	(0-2)	
PS 50	(0-2)	

# 4<sup>TH</sup> GRADE MATHEMATICS

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

## PRACTICE SET ANSWER KEY

<b>PS 51</b>	(0-2)	
<b>PS 52</b>	(0-2)	
<b>PS 53</b>	(0-2)	
<b>PS 54</b>	(0-2)	
<b>PS 55</b>	(0-2)	
<b>PS 56</b>	(0-2)	
<b>PS 57</b>	(0-2)	
<b>PS 58</b>	(0-2)	
<b>PS 59</b>	(0-2)	
<b>PS 60</b>	(0-2)	
<b>PS 61</b>	(0-2)	
<b>PS 62</b>	(0-2)	
<b>PS 63</b>	(0-2)	
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<b>PS 66</b>	(0-2)	
<b>PS 67</b>	(0-2)	
<b>PS 68</b>	(0-2)	
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<b>PS 70</b>	(0-2)	

<b>PS 71</b>	(0-2)	
<b>PS 72</b>	(0-2)	
<b>PS 73</b>	(0-2)	
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<b>PS 76</b>	(0-2)	
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<b>PS 79</b>	(0-2)	
<b>PS 80</b>	(0-2)	
<b>PS 81</b>	(0-3)	
<b>PS 82</b>	(0-3)	
<b>PS 83</b>	(0-3)	
<b>PS 84</b>	(0-3)	
<b>PS 85</b>	(0-3)	
<b>PS 86</b>	(0-3)	
<b>PS 87</b>	(0-3)	
<b>PS 88</b>	(0-3)	
<b>PS 89</b>	(0-3)	
<b>PS 90</b>	(0-3)	