



ETHIOPIA
ROUND 4
MATHS
OLDER COHORT

ENGLISH

This redacted item was taken from TIMSS 2003 Released Items: Fourth Grade Mathematics (Unique ID: M011007)

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Write the correct answer in the space:

3. $48 \times 5 =$

4. $52 - 7 =$

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6. $27 \div 3 =$

7. $49 - 28 =$

8. $243 + 176 =$

9. $45 \div 15 =$

10. $112 + 45 + 467 =$

11. $18.23 - 0.2 =$

12. 25% of 240 =

13. $9.81 + 7.62 =$

14. $\frac{9}{8} \times \frac{2}{3} =$

15. Solve $3.5 \times 2.4 =$ _____

a. 0.84

b. 2.10

c. 84.0

d. 8.40

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20. Maria] has 6 red boxes. Each box has 4 pencils inside. She also has 3 blue boxes. Each blue box has 2 pencils inside. How many pencils does [Maria] have altogether?

a. 36

b. 15

c. 24

d. 30

Below is a receipt that [Oscar] received after making a purchase in a cloth shop. There are some blank spaces in the receipt where information is missing. Read carefully.

[Kathy 's] Shop			RECEIPT N° 0568	
[Date: [October 4th, 2012]	
No. of items	DESCRIPTION	UNIT PRICE	LINE TOTAL	DISCOUNT
10	Trousers	[\$12]	[\$ 120]	[\$ 24]
25	T-shirts	[\$ 13]	[\$ 325]	No discount
78	Socks	[\$ 4]	[\$ 312]	[\$ 35]
37	Dresses	[\$ 20]	[\$740]	No discount
49	Skirts	[\$ 8]	[\$392]	[\$ 33]
			SUBTOTAL	[\$ 92]
			TOTAL	TOTAL DISCOUNT

Based on the receipt, answer the following questions by marking the correct answer with an X.

21. How many items did [Oscar] buy?

- a. 199
- b. 209
- c. 198
- d. 208

22. [Andrea] wants to buy 38 T-shirts. How much will she pay?

- a. [\$ 325]
- b. [\$ 494]
- c. [\$ 484]
-

d. [\$ 304]

23. How much did [Oscar] spend in [Kathy's] shop?

- a. [\$ 1982]
- b. [\$ 1889]
- c. [\$ 1981]
- d. [\$ 1797]

24. [Oscar] bought t-shirts and socks. How much more did [Oscar] spend on t-shirts than on socks?

- a. [Oscar] spent [\$ 13] more buying t-shirts than socks
- b. [Oscar] spent [\$ 23] more buying t-shirts than socks
- c. [Oscar] spent [\$ 58] more buying t-shirts than socks
- d. [Oscar] spent [\$ 48] more buying t-shirts than socks

Next is an advertisement about a market. Read it carefully.

40% off at the end of the day!

Vegetable available	Unit price	Unit price wholesale *
Potatoes	[\$ 0.75]	[\$ 0.68]
Tomatoes	[\$ 0.82]	[\$ 0.79]
Carrots	[\$ 0.76]	[\$ 0.58]
Lettuce	[\$ 0.69]	[\$ 0.61]
Onions	[\$ 0.58]	[\$ 0.53]

- Valid for purchases of 12 pieces or more

Based on the advertisement, answer the following questions by marking the correct answer with an X.

25. [Andrea] wants to prepare a dish and she needs one potato, one tomato and one carrot. How much money does she need to buy these products?

- a. [\$ 1.32]
- b. [\$ 2.05]
- c. [\$ 2.33]
- d. [\$ 1.83]

26. [Juan] bought twelve tomatoes, 1 lettuce and 1 onion. How much did he spend?

- a. [\$ 11.11]
- b. [\$ 9.38]
- c. [\$ 8.48]
- d. [\$ 10.75]

27. [Sandro] is a chef. He is going to cook dinner for 24 people. He forgot to buy carrots. According to the recipe, he needs a $\frac{1}{2}$ carrot for each person. How much money does he need to buy the carrots at the market?

- a. [\$ 6.96]
- b. [\$ 9.12]
- c. [\$ 9.48]
- d. [\$ 6.86]

28. [Mary] went to the market on Saturday at the end of the day to buy vegetables. She bought 36 carrots and 24 of potatoes. How much did she spend?

- a. [\$ 14.69]
- b. [\$ 22.32]
- c. [\$ 37.2]
- d. [\$ 28.84]