

Young Lives

Vietnam

Round 4

Maths

Younger Cohort

This test has 34 questions

(Originally administered in Vietnamese)

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:

2. $52 - 7 =$

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4. $45 : 15 =$

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**8. The number “seven million thirty six thousand two hundred and five” is written
as:**

a. 7 036 205

b. 73 625

c. 7 360 205

d. 736 205

9. Write the correct answer in the space:

$18,23 - 0,2 =$

10. Write the correct answer in the space:

$25\% \text{ of } 240 =$

11. Write the correct answer in the space:

$9,81 + 7,62 =$

12. Write the correct answer in the space:

$9/8 \times 2/3 =$

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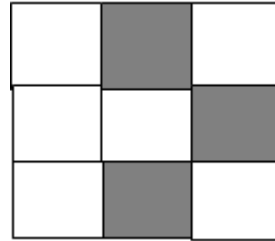
14. The fraction showing the highlighted parts in the following figure is:

a. $\frac{3}{6}$

b. $\frac{1}{3}$

c. $\frac{6}{3}$

d. $\frac{3}{1}$



15. Solve $3.5 \times 2.4 =$ _____

a. 0,84

b. 2,10

c. 84,0

d. 8,40

16. Solve $0.624 \div 1.04 =$ _____

a. 0,06

b. 0,60

c. 60

d. 6

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18. Find the missing term of the following progression

1, 2, 4, __, 11, 16, 22

a. 6

b. 8

c. 12

d. 7

19. One year a company reported selling [1426 tons] of fertilizer. The following year the company sold 15% less fertilizer. Which is the closest approximation to the number of [tons] of fertilizer sold in the second year?

a. 200

b. 1200

c. 300

d. 1600

20. An alloy is made of gold and silver in the ratio 1 [gram] of gold to 4 [grams] of silver. What is the weight, in [grams], of silver in 40 [grams] of this alloy?

a. 8

b. 32

c. 10

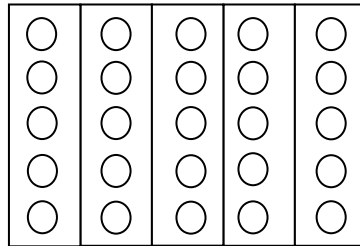
d. 30

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22. There are 25 circles disposed in groups as follows. Which is the calculation to find the circles in each group?



a. $25 + 5$

b. $25 - 5$

c. $25 : 5$

d. 25×5

23. The sum of the following two numbers, is closest to the sum of:

$691 + 208$

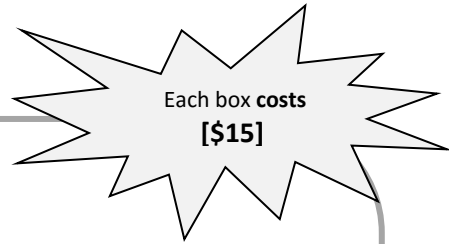
a. $600 + 200$

b. $700 + 200$

c. $700 + 300$

d. $900 + 200$

Below is a medicine description. Read it carefully.



[CIPIRINA]

INGREDIENTS: Each tablet contains 500 mg *acetaminophen* acid

DOSAGE: ORAL. 1 or 2 tablets every 4 hours, preferably accompanied by food, for not longer than 28 days. In the case of children, only 1 tablet every 8 hours for not longer than 10 days.

INDICATIONS: [Cipirina] is often used to relieve different symptoms. This medication relieves mild to moderate pain in the muscles of the hands and legs. It reduces fever, bone pain and menstrual symptoms.

CAUTION: [Cipirina] may cause drowsiness, gastric pain, allergies or ulcers. Children up to 10 years with chicken pox and asthma should consult with their doctor before taking this medicine.

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

24. According to the description, how many tablets can a child take in one day?

- a. 2 tablets
- b. 1 tablet
- c. 3 tablets
- d. 8 tablets

25. If [Arturo] takes the largest amount of pills recommended for adults, how many more pills can he take compared with a child in two days?

- a. [Arturo] can take 18 pills more than a child
- b. [Arturo] can take 3 pills more than a child
- c. [Arturo] can take 9 pills more than a child
- d. [Arturo] can take 7 pills more than a child

26. [Ana's] doctor tells her to take 2 tablets every 12 hours for a week. How many mg of acetaminophen will [Ana] have taken in total by the end of the week?

- a. 14 000 mg
- b. 7 000 mg
- c. 21 000 mg
- d. 12 000 mg

27. [Mario] wants to buy 7 boxes. When he was going to pay the cashier told him that there was a 25% discount on the tablets he was buying. Which mathematical operation(s) is (are) needed to get the amount of money he paid for his medicine?

- a. Only multiplication
- b. Multiplication, division, and subtraction
- c. Division and multiplication
- d. Addition and subtraction

28. Tickets for a train cost either 10 [dollars], 15 [dollars], or 30 [dollars]. Of the 900 tickets sold, $\frac{1}{5}$ cost 30 [dollars] each and $\frac{2}{3}$ cost 15 [dollars] each. What fraction of the train tickets was sold for 10 [dollars] each?

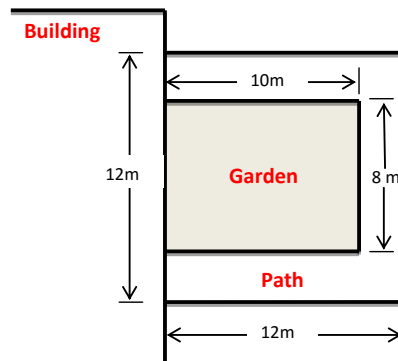
- a. $\frac{2}{15}$
- b. $\frac{1}{15}$
- c. $\frac{12}{15}$
- d. $\frac{6}{15}$

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30. A rectangular garden that is next to a building has a path around the other three sides, as shown.



What is the area of the path?

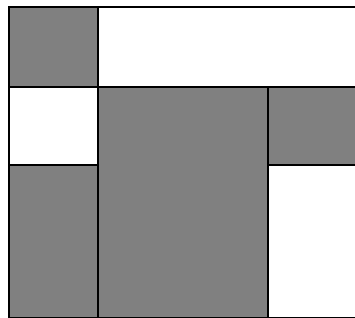
a. 144m^2

b. 64m^2

c. 44m^2

d. 16m^2

31. The fraction showing the highlighted parts in the following figure is:



a. $\frac{4}{3}$

b. $\frac{5}{8}$

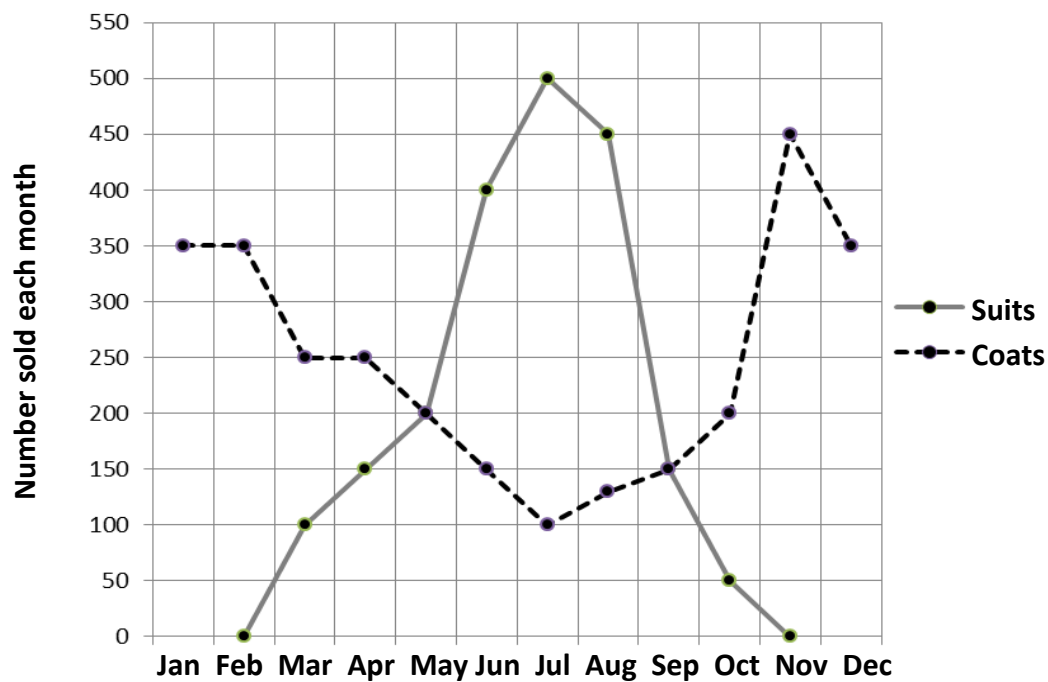
c. $\frac{3}{4}$

d. $\frac{10}{13}$

32. Huy pays 16 000 dong to buy 4 balls. How much does Huy have to pay to buy 7 balls?

- a. 64 000 dong
- b. 28 000 dong
- c. 112 000 dong
- d. 32 000 dong

33. This graph shows the number of suits and coats sold each month



According to the information in the graph, during which two-month period does the greatest increase in coats sales occur?

- a. December - January
- b. May - June
- c. June - July
- d. October - November

34. The average age of a team of 11 members is 22 years. When a team member leaves the team, the average age of the remaining members is 21 years. How old was the member who left the team?