



Level 1: Multiplication and Division Algorithms Pretest Answer Key

Question 1:

Which power of ten is equivalent to 200×500 ?

a. 10^2

b. 10^4

c. 10^5

d. 10^6

Question 2:

A toy factory produces 1,725 yo-yos each day. How many yo-yos does the factory produce in 15 days?

a. 8,625

b. 10,350

c. 17,250

d. 25,875

Question 3:

A farmer sells eggs in cartons. Each carton holds 12 eggs.

How many cartons does the farmer need to hold 684 eggs?

a. 50

b. 52

c. 57

d. 67

Continue ➡



Question 4:

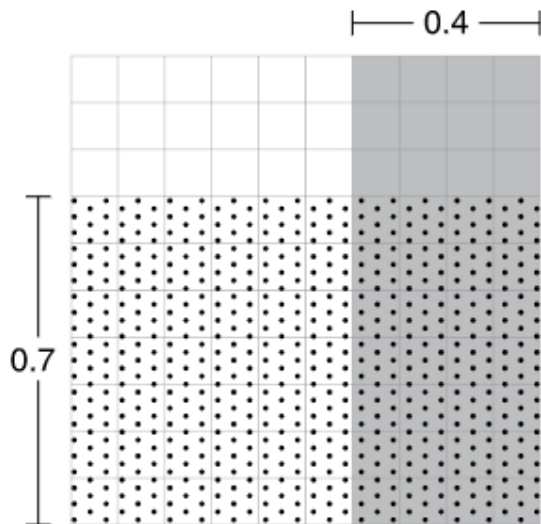
Maria has 207 beads to make 9 necklaces. She wants to put the same number of beads on each necklace.

What is the greatest number of beads Maria can put on each necklace?

- a. 20
- ☒ b. 23
- c. 30
- d. 33

Question 5:

You may use this grid to help you answer the question.



Key
☐ = 0.01 square mile

A rectangular park is 0.4 mile wide and 0.7 mile long.

What is the area of the park in square miles?

- a. 0.18
- ☒ b. 0.28
- c. 2.8
- d. 4.2

Continue ➡



Question 6:

Jamal subtracted 9 from 21, then divided the difference by 3. Which expression represents his calculations?

a. $(21 - 9) \div 3$

b. $21 - (9 \div 3)$

c. $(9 - 21) \div 3$

d. $9 - (21 \div 3)$

Question 7:

A teacher ordered 15 boxes of crayons for her class. Each box contains 36 crayons. How many crayons did she order in all?

540 crayons

Question 8:

Tickets to a football game cost \$56 each. What is the total cost, in dollars, of 27 tickets?

\$ 1,512.00

Question 9:

A sporting goods company is shipping 243 soccer balls in boxes. Each box can hold 14 soccer balls. How many boxes are needed to ship all the soccer balls?

18 boxes

Question 10:

There are 127 students in the fifth grade. Each student received 14 stickers. How many stickers did the students receive in all?

a. 1,129

b. 1,658

c. 1,678

d. 1,778

Continue ➡



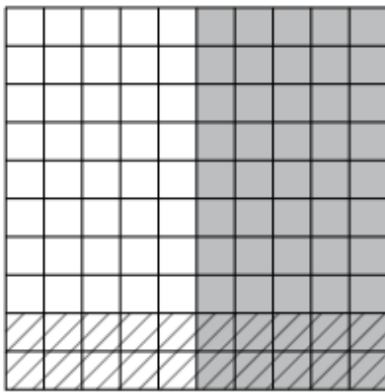
Question 11:

A theater has 540 seats arranged in 15 rows. Each row has the same number of seats.
How many seats are in each row?

- a. 30
- b. 34
- ☒ c. 36
- d. 38

Question 12:

Jamal multiplies two decimal numbers. He draws this model to show the multiplication.



Which expression is Jamal modeling?

- ☒ a. 0.5×0.2
- b. 0.05×0.02
- c. 0.5×0.02
- d. 0.05×0.2

Continue ➡



Question 13:

A maple tree is 4.2 meters tall. A pine tree is 1.02 meters shorter than the maple tree. An oak tree is 1.89 meters taller than the pine tree.

How tall is the oak tree?

- a. 4.07 meters
- b. 4.97 meters
- ☒ c. 5.07 meters
- d. 5.11 meters

Question 14:

Henry makes 12 friendship bracelets to sell at a craft fair. For each bracelet, he uses 0.65 meter of blue string and 0.28 meter of purple string.

How many meters of string does Henry use to make all the bracelets?

meters

Question 15:

Toby mixed 1.5 liters of orange juice with 0.75 liter of pineapple juice and 2.35 liters of cranberry juice. Then he put the juice mixture in 4 pitchers. He put the same amount of juice in each pitcher.

How many liters of juice did Toby put in each pitcher?

liters