Print this page

1

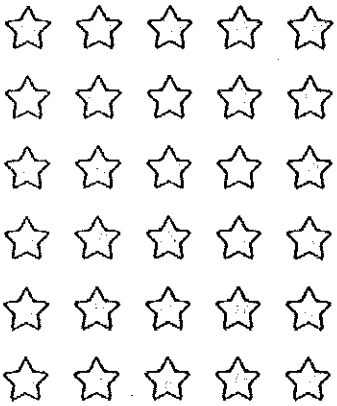
Click on the number buttons to answer the questions.

a. What is the number of rows? _____

b. What is the number of stars in each row? _____

1

Click on the number buttons to answer the questions.



a. What is the number of rows? _____

b. What is the number of stars in each row? _____

0 1 2 3 4 5 6 7 8 9

10 11 12 13 14 15 16 17 18 19 20

2

What number is equal to 5 sevens? (Use only the digits 0-9 to enter your answer.)

3

Which two questions can be answered correctly by finding 27 ÷ 9?

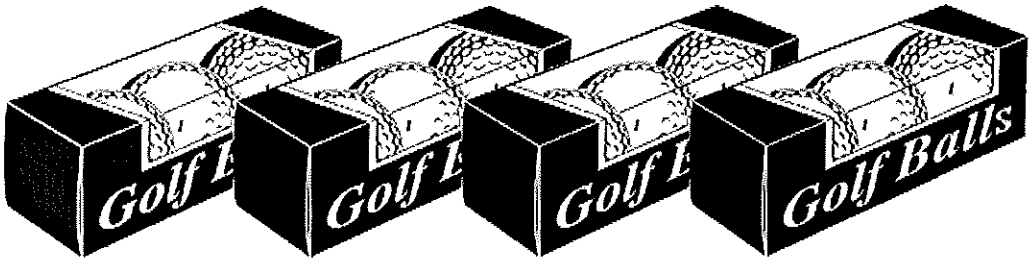
- [ ] A. If 27 students are placed into 9 equal-sized groups, how many students are in each group?
- [ ] B. If 9 rulers are stored in one box, how many boxes are needed to store 27 rulers?
- [ ] C. If each of the 27 chapters in a book is 9 pages long, how many pages long is the book?
- [ ] D. If 9 pencils were taken from a pack of 27, how many pencils are left?
- [ ] E. If there are 27 students in each of 9 classrooms, how many students are in each classroom?

4

This question has two parts. First, answer part 1. Then, answer part 2.

Part 1

Which expression will find the number of golf balls in each box?



- ○ A. 4×3
- ○ B. $12 \div 4$
- ○ C. $4 + 3$
- ○ D. $12 - 4$

Part 2

Using either the numbers 4 and 3 or the numbers 12 and 4, write a story problem that asks to find the number of golf balls in each box.

5

Miss Soulli counted 36 music students. For a performance, she had 9 students stand in each row. Which two equations will find the number of rows Miss Soulli's music students stood in?

- ☐ A. [?] ÷ 9 = 36
- ☐ B. [?] + 9 = 36
- ☐ C. 9 × [?] = 36
- ☐ D. 36 − 9 = [?]
- ☐ E. 36 × 9 = [?]
- ☐ F. 36 ÷ 9 = [?]

6

Sharon spent $54 and bought 9 equal-priced tickets to the zoo. Which two equations will find the cost of one ticket?

- ☐ A. [?] × 9 = 54
- ☐ B. [?] − 9 = 54
- ☐ C. 9 + [?] = 54
- ☐ D. 54 − [?] = 9
- ☐ E. 54 ÷ 9 = [?]
- ☐ F. 54 + 9 = [?]

7

Which two equations are correctly completed by putting a 4 in the blank?

- [ ] A. ___ ÷ 2 = 2
- [ ] B. ___ ÷ 4 = 4
- [ ] C. ___ × 4 = 8
- [ ] D. ___ × 6 = 24
- [ ] E. ___ × 9 = 32

8

Which two equations are correctly completed by putting a 12 in the blank?

- ☐ A. ___ × 3 = 36
- ☐ B. ___ ÷ 4 = 3
- ☐ C. ___ ÷ 7 = 5
- ☐ D. 6 ÷ ___ = 2
- ☐ E. 6 × ___ = 18
- ☐ F. 8 × 4 = ___

9

Which two expressions are equal to the expression below?

$10 \times 10 \times 5$

- ☐ A. 100×50
- ☐ B. 100×5
- ☐ C. 50×50
- ☐ D. 50×10
- ☐ E. $50 + 50$
- ☐ F. $50 + 10$

10

Which two expressions are equal to the expression below?

9×9

- ☐ A. $(5 \times 4) + (5 \times 4)$
- ☐ B. $(9 \times 5) + (9 \times 4)$
- ☐ C. $(9 \times 10) - (9 \times 1)$
- ☐ D. $(10 \times 10) - (1 \times 1)$
- ☐ E. $(18 \times 2) + (18 \times 2)$

11

This question has two parts. First, answer part 1. Then, answer part 2.

Part 1

Look at the statement.

Since [?] × 8 = 32, we know _____.

Which number correctly represents the [?] in the statement above?

- A. 4
- B. 6
- C. 7
- D. 8

Part 2

Which equation correctly fills in the blank in the statement above?

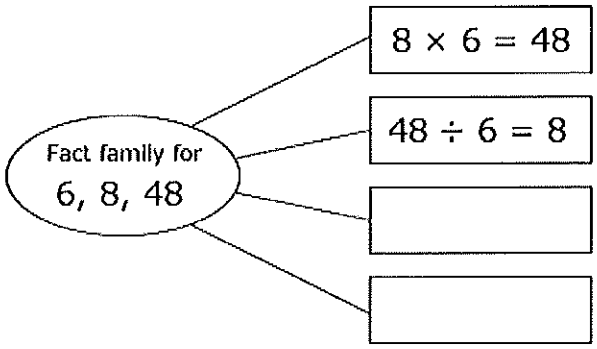
- A. 32 ÷ 8 = 8
- B. 32 ÷ 8 = 4
- C. 32 ÷ 4 = 4
- D. 32 ÷ 6 = 7

12

234 ÷ 18 = [?]

Which two would help solve the problem above?

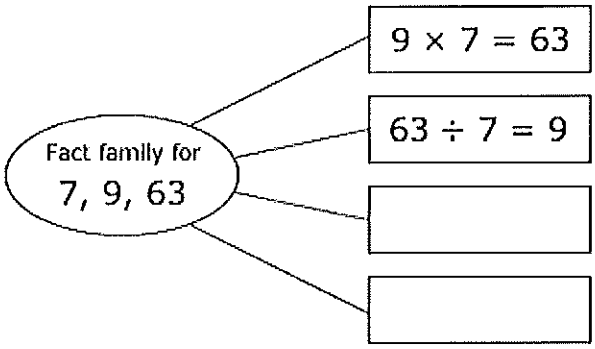
- [ ] A. [?] + 18 = 234
- [ ] B. 18 × [?] = 234
- [ ] C. 234 × [?] = 18
- [ ] D. [?] × 18 = 234
- [ ] E. 18 + [?] = 234
- [ ] F. [?] × 234 = 18



13

Look at the fact family for 6, 8, and 48. Click on the two equations that correctly complete the fact family.

6 ÷ 8 = 48	48 × 8 = 6
6 ÷ 48 = 8	8 × 48 = 6
8 ÷ 6 = 48	6 × 8 = 48
8 ÷ 48 = 6	48 × 6 = 8
48 ÷ 8 = 6	6 × 48 = 8



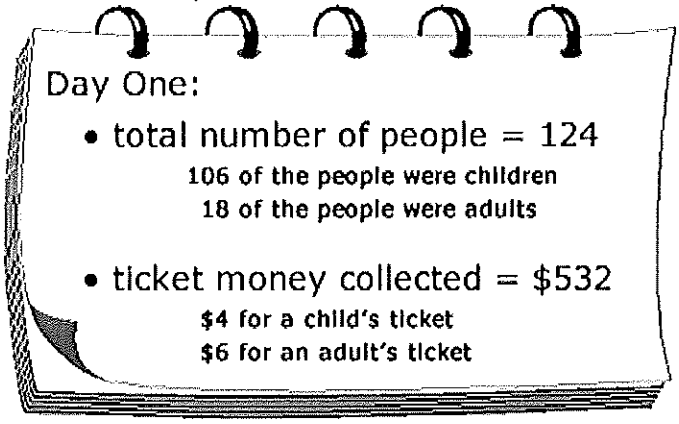
14

Look at the fact family for 7, 9, and 63. Click on the two equations that correctly complete the fact family.

7 ÷ 9 = 63	9 ÷ 63 = 7
7 × 9 = 63	9 × 63 = 7
7 ÷ 63 = 9	63 ÷ 9 = 7
7 × 63 = 9	63 × 9 = 7
9 ÷ 7 = 63	63 × 7 = 9

"Museum Tickets"

Julie is the manager of a local children's museum. She counted how many people went to the museum each day for a whole month. She also totaled up how much money was spent on admission tickets each day. Below are her records for the first day:



15

This question has two parts. First, answer Part 1. Then, answer Part 2.

Part 1

from "Museum Tickets"

Mr. Kennison spent $16 on tickets for his family. If he bought 1 child ticket, how many adult tickets did he buy?

- A. 6
- B. 5
- C. 3
- D. 2

Part 2

from "Museum Tickets"

Which helps show how many adult tickets, A, Mr. Kennison bought?

- A. $(16 - 4) \div 2 = A$
- B. $(16 - 4) \div 6 = A$
- C. $16 - 6 = A \times 2$

○ D. $16 - 4 = A \times 4$

16

Kristi started with $51. Then, she spent $33 on new clothes. Finally, she took what she had left and gave the same amount to each of her 2 sisters. Which two expressions would give Kristi the best estimate of how much money she gave to each of her sisters?

- ☐ A. (50 − 30) ÷ 0
- ☐ B. (50 − 30) ÷ 2
- ☐ C. (50 − 30) ÷ 5
- ☐ D. (52 − 32) ÷ 2
- ☐ E. (54 − 34) ÷ 4

"Tina's Number Pattern"

Tina created a pattern in a table using the number 6. Here is her table.

0	6	___	18	24
30	36	42	48	___
___	66	72	78	84
90	___			

17

from "Tina's Number Pattern"

Which are the last digits of the missing numbers from Tina's table?

- A. 0
- B. 1
- C. 2
- D. 3
- E. 4
- F. 5
- G. 6
- H. 7
- I. 8
- J. 9

"Tim's Number Pattern"

Tim created a pattern using the number 4. Here is his table.

0	4	8	12	16	20	24	___	32	36
40	___	48	52	56	60	64	68	72	76
80	84	88	92	96	___				

18

from "Tim's Number Pattern"
Which two statements are true about the numbers shown on Tim's table?

- ☐ A. All the numbers greater than 0 are odd.
- ☐ B. All the numbers greater than 0 are even.
- ☐ C. Only 3 of the numbers can be divided equally by 5.
- ☐ D. Only 4 of the two-digit numbers can be divided equally by 10.
- ☐ E. When reading down column two, the numbers increase by 4.

19

Solve each problem below. Which two answers, when multiplied together, equal 400?

- ☐ A. $40 \times 1 =$ ____
- ☐ B. $10 \times 5 =$ ____
- ☐ C. $10 \times 4 =$ ____
- ☐ D. $8 \times 1 =$ ____
- ☐ E. $4 \times 1 =$ ____

20

Solve each problem below. Which two answers, when multiplied together, equal 180?

- ☐ A. $2 \times 3 =$ ___
- ☐ B. $10 \times 1 =$ ___
- ☐ C. $10 \times 3 =$ ___
- ☐ D. $10 \times 6 =$ ___
- ☐ E. $10 + 10 =$ ___
- ☐ F. $30 + 60 =$ ___