

1 If you know that $4 \times 8 = 32$, which division fact do you know?

- A $32 \div 16 = 2$
- B $83 \div 1 = 8$
- C $8 \div 4 = 2$
- D $32 \div 8 = 4$

2 Kayleen has 66 chairs altogether. She arranged them in 11 rows. Which number sentence does NOT help you find how many chairs were in each row?

- A $66 \div 6 = 11$
- B $33 \times 2 = 66$
- C $66 \div 11 = 6$
- D $11 \times 6 = 66$

3 Which multiplication fact can help you find $9 \div 1$?

- A 1×9
- B 0×9
- C 9×9
- D 1×1

4 If you know that $4 \times 7 = 28$, which division fact do you know?

- A $21 \div 7 = 3$
- B $18 \div 3 = 6$
- C $24 \div 3 = 8$
- D $28 \div 7 = 4$

5 Which number sentence is part of the fact family for 4, 9, and 36?

- A $36 \div 9 = 4$
- B $4 \times 36 = 144$
- C $36 \times 9 = 324$
- D $9 - 4 = 5$

- 6 If you know that $3 \times 8 = 24$, which division fact do you know?
- A $24 \div 12 = 2$
 - B $3 \div 1 = 3$
 - C $24 \div 8 = 3$
 - D $8 \div 2 = 4$
- 7 Georgia has 56 chairs altogether. She arranged them in 8 rows. Which number sentence does NOT help you find how many chairs were in each row?
- A $56 \div 8 = 7$
 - B $8 \times 7 = 56$
 - C $56 \div 7 = 8$
 - D $5 \times 8 = 40$
- 8 Which number sentence is TRUE?
- A $6 \div 1 > 6 \div 6$
 - B $0 \div 1 > 6 \div 6$
 - C $6 \div 1 < 0 \div 6$
 - D $6 \div 6 < 6 \div 6$
- 9 Which number sentence is TRUE?
- A $0 \div 7 > 7 \div 7$
 - B $7 \div 1 > 7 \div 7$
 - C $7 \div 1 < 0 \div 7$
 - D $7 \div 7 < 8 \div 8$
- 10 Serdio had 9 photo albums. He passed them out evenly to his 9 friends. How many photo albums did each friend get?
- A 0 albums
 - B 1 album
 - C 9 albums
 - D 81 albums

11 Which number sentence is TRUE?

- A $0 \div 8 > 8 \div 8$
- B $8 \div 1 > 8 \div 8$
- C $8 \div 1 < 0 \div 8$
- D $8 \div 8 < 8 \div 8$

12 Pete had 8 toy cars. He passed them out evenly to 4 of his friends. How many toy cars did each friend get?

- A 1 car
- B 2 cars
- C 3 cars
- D 4 cars

13 Which fact can help you find $56 \div 8$?

- A 8×8
- B 8×7
- C 5×7
- D 4×8

14 There are 24 students in Mr. Schultze's class. On a field trip, they separated into 4 groups with an equal number of students in each group. How many students were in each group?

- A 1 student
- B 2 students
- C 6 students
- D 7 students

15 Flute lessons cost \$72 for 4 hours.

What is the cost per hour?

- A \$10
- B \$15
- C \$18
- D \$20

16 Which multiplication fact can help you find $24 \div 6$?

- A 4×2
- B 6×4
- C 6×5
- D 6×6

17 Which number sentence is in the same fact family as the one below?

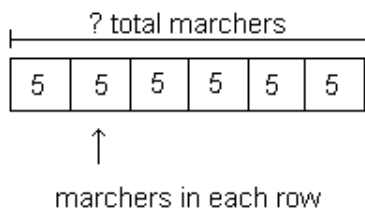
$$27 \div 9 = \square$$

- A $9 \times \square = 27$
- B $9 + \square = 27$
- C $27 - \square = 9$
- D $27 + 9 = \square$

18 Which fact can help you find $40 \div 8$?

- A 8×5
- B 8×8
- C 5×5
- D 4×5

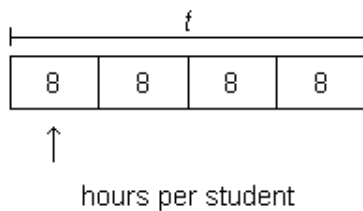
19 There are 5 marchers in each row of a marching band. There are 6 rows of marchers. Which number sentence shows the total number of marchers?



- A $6 \times 5 = 30$
- B $10 \times 5 = 50$
- C $10 + 5 = 15$
- D $7 - 5 = 2$

Study Guide Topic 1

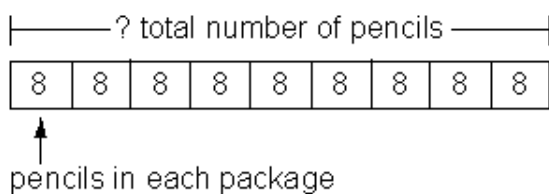
- 20 Last spring, 4 students volunteered to serve 8 hours on community projects. Which of the following can be used to find t , the total of hours the students volunteered?



- A $8 \div 4 = t$
B $8 \times 4 = t$
C $32 - 4 = t$
D $8 + 4 = t$
- 21 Emily read a 210-page book in 7 days. She read the same number of pages each day. Which number sentence shows how to find the number of pages Emily read each day?

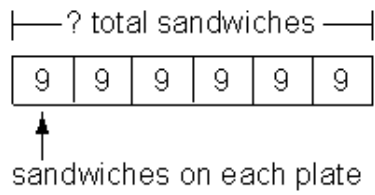
- A $210 + 7 = \square$
B $210 - 7 = \square$
C $210 \times 7 = \square$
D $210 \div 7 = \square$

- 22 Jen bought 9 packages of pencils. There were 8 pencils in each package. Which number sentence shows the number of pencils Jen bought?

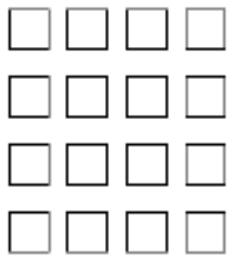


- A $9 - 8 = 1$
B $9 + 8 = 17$
C $9 \times 8 = 72$
D $8 \times 8 = 64$

- 23 There are 6 plates on a tray in the cafeteria. There are 9 sandwiches on each plate. Which number sentence shows the total number of sandwiches?



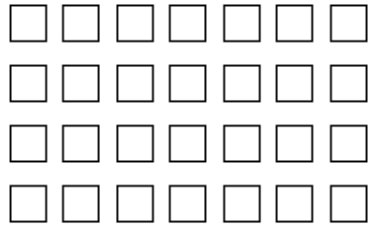
- A $6 \times 9 = 54$
B $6 + 9 = 15$
C $9 - 6 = 3$
D $6 \times 6 = 36$
- 24 Which multiplication sentence is shown by the array?



- A $4 + 4 = 8$
B $3 \times 4 = 12$
C $4 \times 4 = 16$
D $4 \times 5 = 20$
- 25 Which has the same value as 5×7 ?

- A $7 + 7 + 7 + 7 + 7$
B $5 + 5 + 5 + 5 + 5$
C $5 + 7$
D $7 + 7 + 7 + 7 + 7 + 5$

26 Which multiplication sentence is shown by the array?



- A $4 \times 7 = 28$
- B $4 + 7 = 11$
- C $4 \times 6 = 24$
- D $3 \times 9 = 27$

27 There are 2 senators from each state in the U.S. Senate. How many senators are there from 8 states?

- A 16 Senators
- B 10 Senators
- C 20 Senators
- D 8 Senators

28 Eric bought 7 packages of pens with 5 pens in each. How many pens did he buy?

- A 25 pens
- B 30 pens
- C 35 pens
- D 40 pens

29 There are 6 eggs in each carton. How many eggs are there in 3 cartons?

- A 9 eggs
- B 12 eggs
- C 18 eggs
- D 24 eggs

30 Ken bought 4 packages of markers with 5 markers in each. How many markers did he buy?

- A 11 markers
- B 20 markers
- C 30 markers
- D 35 markers

31 Karen is making 9 sandwiches for a party. She wants to put 2 tomato slices on each sandwich. How many tomato slices does Karen need?

- A 9 tomato slice
- B 12 tomato slices
- C 18 tomato slices
- D 25 tomato slices

32 Which number makes the number sentence true?

$$3 \times 4 = 4 \times \underline{\quad}$$

- A 0
- B 3
- C 4
- D 7

33 Which number makes the number sentence true?

$$6 \times 8 = \blacksquare \times 6$$

- A 0
- B 1
- C 6
- D 8

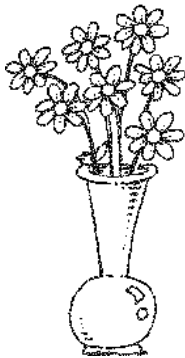
- 34 Sarah wrote a 10-page story. She decorated the top of each page with a sticker. How many stickers did she need?
- A 1 sticker
 - B 9 stickers
 - C 10 stickers
 - D 11 stickers
- 35 There were 8 students from the fourth grade in a charity walk. The charity walk committee gave each student a special T-shirt to wear in the walk. How many T-shirts did the committee give to the fourth graders?
- A 8
 - B 13
 - C 12
 - D 11
- 36 Nick has 6 friends over for dinner. He wants to serve them 7 scallops each. How many scallops should Nick prepare for his friends?
- A 16 scallops
 - B 28 scallops
 - C 42 scallops
 - D 46 scallops
- 37 In a stable there are 6 horses. Each horse needs 4 horseshoes. How many horseshoes are needed in all?
- A 14
 - B 24
 - C 28
 - D 32
- 38 Mrs. Hathaway is making costumes for a school play. She needs 6 yards of fabric for each costume. How many yards of fabric does she need in order to make 4 costumes?
- A 9 yards
 - B 12 yards
 - C 18 yards
 - D 24 yards

- 39 Spiders are a type of arachnid. Arachnids normally have 8 legs. How many legs would you count on 7 spiders?



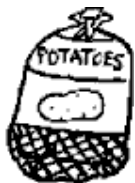
- A 40 legs
- B 46 legs
- C 56 legs
- D 8 legs

- 40 There are 7 flowers in each vase. How many flowers would you count in 6 vases?



- A 48 flowers
- B 42 flowers
- C 14 flowers
- D 8 flowers

- 41 Mr. May is a chef. He is baking casseroles for a dinner party. He will use 5 potatoes for each casserole. How many potatoes will he use to make 6 casseroles?



- A 42 potatoes
- B 30 potatoes
- C 25 potatoes
- D 11 potatoes

Study Guide Topic 1

- 42 Jen lived in five different houses growing up. Below are the five numbers of the houses where she lived. If the pattern continues, what are the next three numbers of the houses she will live in?

21, 28, 35, 42, 49, , ,

- A 56, 62, 72
 - B 56, 63, 70
 - C 55, 63, 70
 - D 63, 70, 77
- 43 Each row in an auditorium has 12 seats. Sharon labels the last seat in each row according to the pattern below. If the pattern continues, what numbers will be on the next three labels?

12, 24, 36, 48, 60, ■, ■, ■

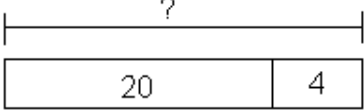
- A 70, 80, 90
 - B 70, 82, 94
 - C 72, 84, 96
 - D 72, 84, 98
- 44 Which shows the missing numbers?

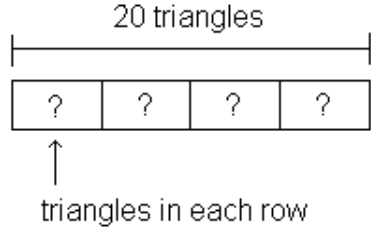
150		250
350	400	
	500	550

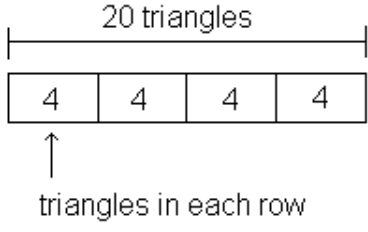
- A 200, 300, 400
- B 400, 350, 200
- C 200, 350, 450
- D 200, 450, 450

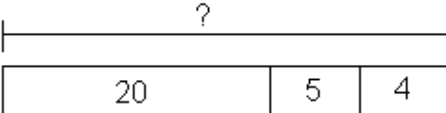
- 45 The store sells 23 shirts on Monday.
It sells 25 shirts on Tuesday and 27 on Wednesday.
If the pattern continues, how many shirts will it sell on Thursday?
- A 20
 - B 26
 - C 29
 - D 30
- 46 There were 234 seeds in the first pumpkin.
There were 194 seeds in the second pumpkin and 154 seeds in the third pumpkin. If the pattern continues, how many seeds will be in the fourth pumpkin?
- A 114
 - B 124
 - C 164
 - D 274
- 47 Kyle put some marbles into 5 equal groups. Which of these can be the total number of marbles?
- A 24
 - B 35
 - C 43
 - D 54
- 48 In $45 \div 6 = 9$, what is the 9 called?
- A divisor
 - B quotient
 - C dividend
 - D factor

- 49 Omar is decorating a bulletin board. He has 20 triangles and wants to put them in 4 rows. Which picture can be used to find how many triangles he should put in each row?

A 

B 

C 

D 

- 50 Paula has 25 buttons to use in making 5 dolls. How many buttons can she use on each doll?

- A 5 buttons
- B 6 buttons
- C 7 buttons
- D 8 buttons