

# Collins-Rhodes Elementary



Summer Math Packets

Going to Fourth Grade

Name \_\_\_\_\_

## Collins-Rhodes Elementary Summer Math Packet

Dear Parents or Guardians,

We are providing a summer math packet to assist students in maintaining their math skills over the summer and increasing preparedness for a successful August.

We ask that you work with your child to complete this packet during the summer break. Teachers will collect the packets the first day of school. Teachers will review the packets, and the level of completion will assist teachers in planning their initial classes.

These packets are posted on our website, the first tab under “Parents and Students”. Please access the packet for your child’s 2017-2018 grade level.

Thank you for your help and cooperation and should you have any questions, please do not hesitate to call us.

Collins-Rhodes Elementary School

Math Coach

### Fact Fluency

Research has shown that long-term success in mathematics is closely tied to strong number sense, including fluency with basic facts. The sooner your child becomes fluent with facts, the better!

We are asking that you spend 5-10 minutes each date practicing math facts with your child. Below is a list of websites to help your child practice his or her facts.

<https://www.factmonster.com/math/flashcards>

[www.funbrain.com/tictactoe/index.html](http://www.funbrain.com/tictactoe/index.html)

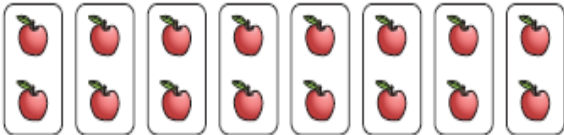
[www.playkidsgames.com/games/mathfact/](http://www.playkidsgames.com/games/mathfact/)


[http://www.abcya.com/math\\_facts\\_game.htm](http://www.abcya.com/math_facts_game.htm)

<https://www.splashmath.com/math-skills/math-facts>

**3.OA.A Represent and solve problems involving multiplication and division.**

Determine how you would express the groups shown as a multiplication problem.

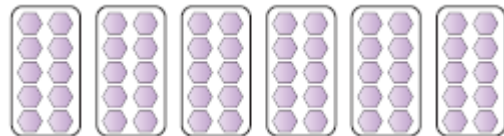
EXAMPLE:  Answer:  $8 \times 2$

1. 

Answer: \_\_\_\_\_

2. 

Answer: \_\_\_\_\_

3. 

Answer: \_\_\_\_\_

4.   $\times 6 = 42$

5.  $8 \times 4 =$

6.  $3 \times$    $= 27$

**3.OA.B Understand properties of multiplication and the relationship between multiplication and division. Example:**

$$8 \times 16 = (8 \times 6) + (8 \times 10) = \underline{48} + \underline{80} = \underline{128}$$

7.  $9 \times 15 = (9 \times 9) + (9 \times \underline{\quad}) = \underline{\quad} + \underline{\quad}$

$$8. \quad 12 \times 6 = (9 \times 6) + (\underline{\quad} \times 6) = \underline{\quad}$$
$$+ \underline{\quad}$$

$$9. \quad 15 \times 5 = (7 \times 5) + (\underline{\quad} \times 5) = \underline{\quad}$$
$$+ \underline{\quad}$$

3.OA.D Solve problems involving the four operations, and identify and explain patterns in arithmetic.

10. Carol made 30 cupcakes for the bake sale. She sold 9 and then baked 24 more. How many cupcakes does Carol have when she's finished baking? Show your thinking.

11. Brian had \$5. His mother gave him 3 times as much money as he already had. How much money did he have then? Show your thinking.

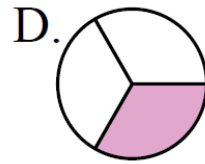
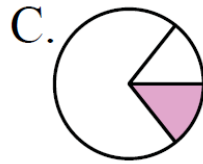
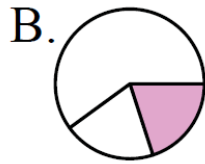
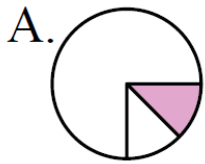
12. Will played 6 games of basketball with his friends. He scored 8 points per game. How many points did he score total? Show your thinking.

3.NF.A Develop understanding of fractions as numbers.

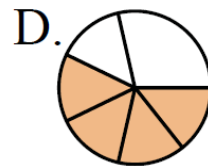
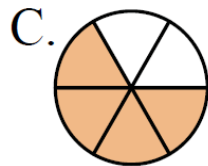
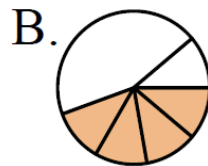
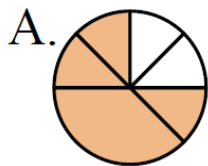
13. Round to the nearest hundred:      528      Answer: \_\_\_\_\_

14. Round to the nearest ten      67      Answer: \_\_\_\_\_

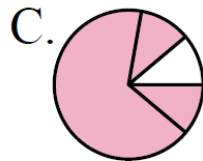
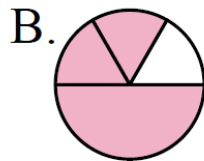
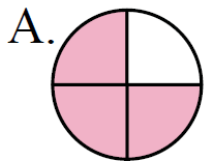
15. Which choice best shows  $\frac{1}{3}$ ?



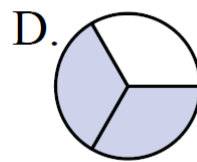
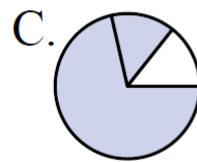
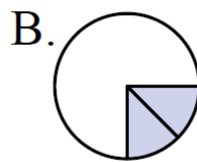
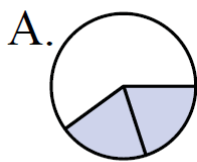
16. Which choice best shows  $\frac{4}{6}$ ?



17. Which choice best shows  $\frac{3}{4}$ ?

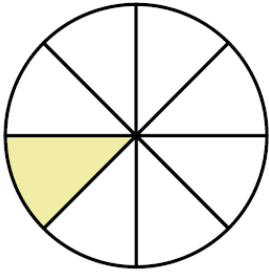


18. Which choice best shows  $\frac{2}{3}$ ?



Write each shaded region as a fraction of the whole amount.

19.



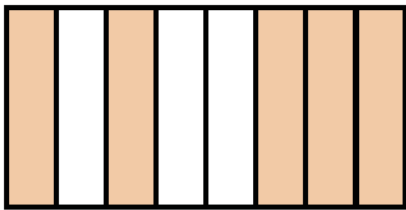
Answer: \_\_\_\_\_

20.



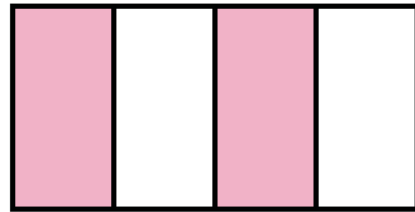
Answer: \_\_\_\_\_

21.



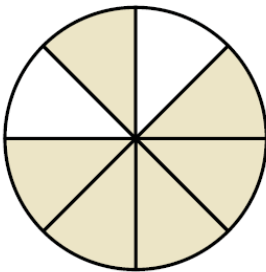
Answer: \_\_\_\_\_

22.



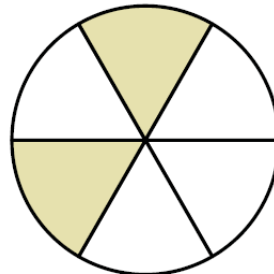
Answer: \_\_\_\_\_

23.



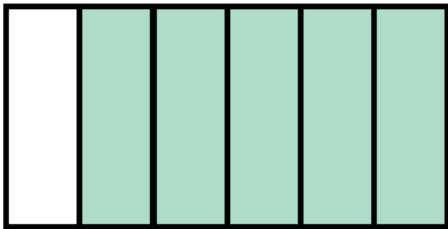
Answer: \_\_\_\_\_

24.



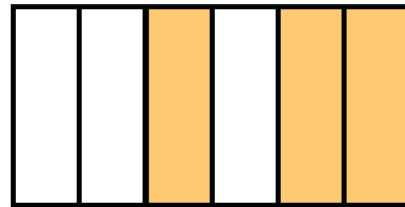
Answer: \_\_\_\_\_

25.



Answer: \_\_\_\_\_

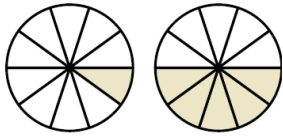
26.



Answer: \_\_\_\_\_

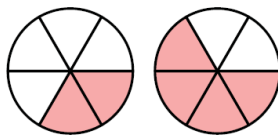
Determine which letter better compares the fractions shown.

27



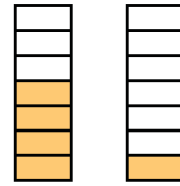
- A.  $\frac{10}{1} > \frac{10}{5}$
- B.  $\frac{1}{10} > \frac{5}{10}$
- C.  $\frac{1}{10} < \frac{5}{10}$
- D.  $\frac{9}{1} < \frac{5}{5}$

28



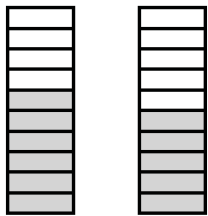
- A.  $\frac{2}{6} < \frac{4}{6}$
- B.  $\frac{2}{4} > \frac{4}{2}$
- C.  $\frac{4}{2} < \frac{2}{4}$
- D.  $\frac{4}{2} > \frac{2}{4}$

29



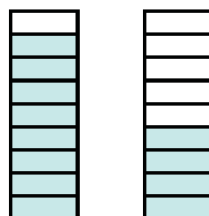
- A.  $\frac{4}{7} > \frac{1}{7}$
- B.  $\frac{3}{4} > \frac{6}{1}$
- C.  $\frac{3}{4} < \frac{6}{1}$
- D.  $\frac{7}{4} > \frac{7}{1}$

30



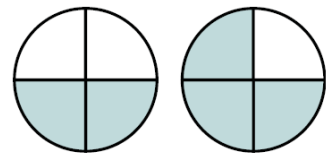
- A.  $\frac{6}{4} < \frac{5}{5}$
- B.  $\frac{6}{10} > \frac{5}{10}$
- C.  $\frac{4}{6} > \frac{5}{5}$
- D.  $\frac{10}{6} > \frac{10}{5}$

31.



- A.  $\frac{8}{9} < \frac{4}{9}$
- B.  $\frac{1}{8} > \frac{5}{4}$
- C.  $\frac{8}{9} > \frac{4}{9}$
- D.  $\frac{9}{8} > \frac{9}{4}$

32



- A.  $\frac{4}{2} > \frac{4}{3}$
- B.  $\frac{2}{4} > \frac{3}{4}$
- C.  $\frac{2}{4} < \frac{3}{4}$
- D.  $\frac{2}{2} < \frac{1}{3}$

