Fractions

4

Q1. Complete the following equivalent fractions:

a. $\dfrac{12}{15} = \dfrac{\square}{45} = \dfrac{4}{\square}$

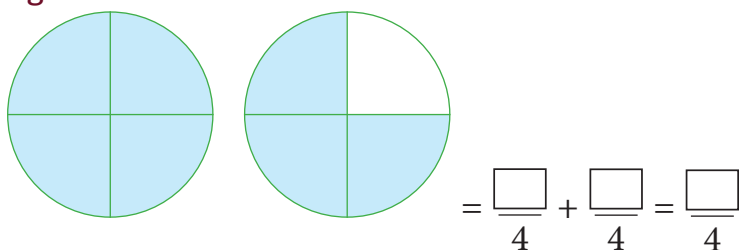b. $\dfrac{20}{80} = \dfrac{2}{\square} = \dfrac{\square}{4}$

Q2. Compare and put the correct sign <, > or =.

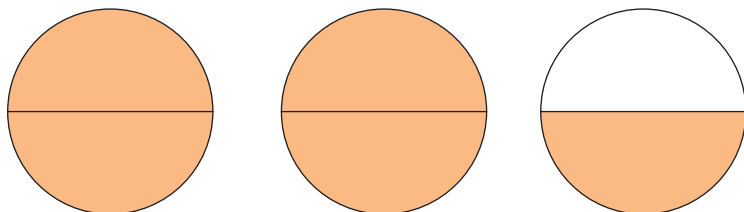a. $\dfrac{1}{7} + \dfrac{4}{7}$ _____ $\dfrac{12}{35} + \dfrac{13}{35}$

b. $\dfrac{4}{9} + \dfrac{5}{9}$ _____ $\dfrac{9}{18}$

c. $\dfrac{8}{80} + \dfrac{12}{80}$ _____ $\dfrac{3}{4}$

Q3. Find the improper fractions depicted by the coloured region in the following figure:

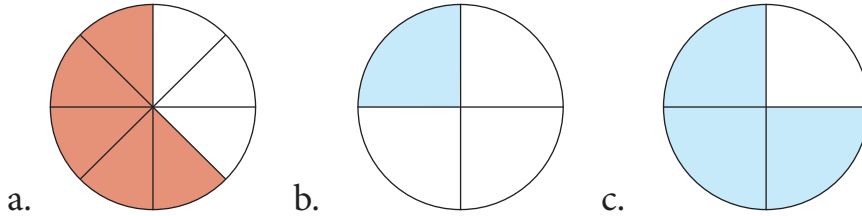$= \dfrac{\square}{4} + \dfrac{\square}{4} = \dfrac{\square}{4}$

Q4. Shivani has completed all her work, but she is unable to do this last question. She has to find the mixed fraction shown by the coloured region in the following figure. Help Shivani complete her homework.
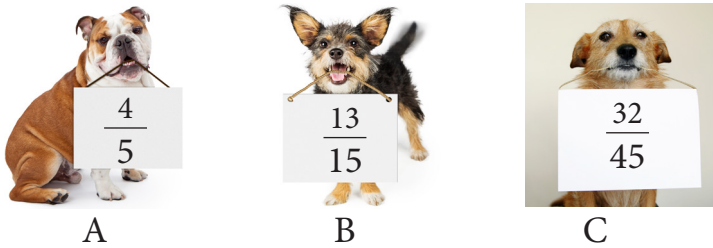

Answer: _____

1

Q5. Choose the figure where coloured portion depicts a unit fraction:

a.   b.   c.

Q6. Three dogs were asked to choose a board. Each board has a fraction written on it, which tells which dog will get how much share of dinner. The dogs got the following board for themselves:

A   B   C

a. Which dog will get the maximum share?

Answer: _____

b. Which dog will get the minimum share?

Answer: _____

(Hint: Arrange the fractions in ascending or descending order)

Q7. Shilpa bought a pizza to share with her two friends. The following table shows the amount of pizza eaten by each of the three girls. How much pizza did they eat all together? How much is still left? (Express the answer in the lowest terms)

Shilpa	
Ananya	
Fatima	

Answer: _____

Q8. Match the following:

$\dfrac{2}{19} + \dfrac{11}{19}$	$3\dfrac{1}{6}$
$2\dfrac{1}{3} + \dfrac{5}{6}$	$\dfrac{13}{19}$
$\dfrac{1}{6} + \dfrac{2}{6}$	$7\dfrac{9}{20}$
$1\dfrac{1}{4} + 6\dfrac{1}{5}$	$\dfrac{1}{2}$

Q9. Fill in the blanks:

a. $\dfrac{3}{8}$ of 24 = _____

b. $\dfrac{2}{7}$ of 56 = _____

Q10. Raju's recipe requires packets of ghee and Sherin's recipe requires packets of ghee. How much more ghee is used in Raju's recipe than in Sherin's recipe?

Answer: _____

Q11. In one day the sweeper cleans of the road. How much road will he clean in 30 days?

Answer: _____

Q12. Fill in the blanks:

a. $1\dfrac{2}{3} \times 7\dfrac{4}{6} \times 8\dfrac{3}{5} \times 0 =$ _____

b. $7\dfrac{1}{4} \times$ _____ $= 7\dfrac{1}{4}$

c. $8\dfrac{2}{3} \times 6\dfrac{4}{7} \times 2\dfrac{1}{5} = 6\dfrac{4}{7} \times 8\dfrac{2}{3} \times$ _____

Q13. The toy basket of Smita and Ajay has 42 toys. If of the toys are Smita's, how many toys belong to Ajay?
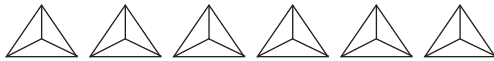
Answer: _____

Q14. Find how many $\frac{2}{3}$ cups of milk can be obtained from the given cups:

Answer: _____

Q15. Choose the correct division expression for the following:

a. $3 \div \frac{1}{6}$

b. $6 \div \frac{1}{3}$

c. $\frac{1}{3} \div 6$

d. $\frac{1}{6} \div 3$

ANSWERS

1. a. $\dfrac{12}{15} = \dfrac{36}{45} = \dfrac{4}{5}$

    b. $\dfrac{20}{80} = \dfrac{2}{8} = \dfrac{1}{4}$

2. a. =
    b. >
    c. <

3. $\dfrac{4}{4} + \dfrac{3}{4} = \dfrac{7}{4}$

4. $2\dfrac{1}{2}$

5. (b)

6. a. Dog B
    b. Dog C

7. They ate $\dfrac{3}{4}$ of the pizza $\dfrac{1}{4}$ of the pizza is still left.

8.

$\dfrac{2}{19} + \dfrac{11}{19}$	$\dfrac{13}{19}$
$2\dfrac{1}{3} + \dfrac{5}{6}$	$3\dfrac{1}{6}$
$\dfrac{1}{6} + \dfrac{2}{6}$	$\dfrac{1}{2}$
$1\dfrac{1}{4} + 6\dfrac{1}{5}$	$7\dfrac{9}{20}$

9. a. 9
    b. 16

10. $\dfrac{11}{12}$ packet

11. 78 roads

12. a. 0

b. 1

c. $2\dfrac{1}{5}$

13. 14 toys

14. 18 cups

15. (b)