

## 7

## Comparing Fractions



Date: \_\_\_\_\_

Mark: \_\_\_\_\_



Rewrite the following fractions with a common denominator and compare their magnitudes.

1.  $\frac{4}{7}$  and  $\frac{3}{5}$

$$\frac{4}{7} = \frac{4 \times \square}{7 \times \square} = \frac{\square}{\square}$$

$$\frac{3}{5} = \frac{3 \times \square}{5 \times \square} = \frac{\square}{\square}$$

$$\square > \square$$

2.  $\frac{9}{10}$  and  $\frac{5}{6}$

$$\frac{9}{10} = \frac{9 \times \square}{10 \times \square} = \frac{\square}{\square}$$

$$\frac{5}{6} = \frac{5 \times \square}{6 \times \square} = \frac{\square}{\square}$$

$$\square > \square$$



Compare each pair of fractions below. Fill in  with '<' or '>'.

3.  $\frac{5}{8}$    $\frac{3}{5}$

4.  $\frac{4}{9}$    $\frac{7}{12}$

5.  $1\frac{1}{5}$    $\frac{8}{7}$

6.  $\frac{16}{12}$   2

7.  $3\frac{1}{3}$    $\frac{15}{4}$

8.  $2\frac{8}{15}$    $\frac{20}{9}$



Arrange the following sets of numbers in order.

9.  $\frac{1}{2}, \frac{4}{5}, \frac{7}{9}$

$$\square > \square > \square$$

10.  $6\frac{4}{7}, 6\frac{2}{11}, 6$

$$\square < \square < \square$$

11.  $3\frac{2}{3}, \frac{25}{12}, 2\frac{9}{10}$

$$\square > \square > \square$$

12. (a)  $\frac{22}{5}$  is  $\star$  smaller than / equal to / greater than  $\frac{20}{4}$ . ( $\star$  Circle the answer)  
 (b) Fill in the blank with suitable number.

$\frac{1}{4}$  is greater than  $\frac{\boxed{\phantom{000}}}{5}$ .

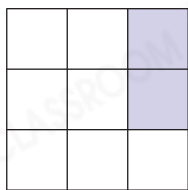
13. Which of the following fractions is the closest to 2?

$2\frac{3}{6}$ ,  $\frac{25}{12}$ ,  $\frac{11}{4}$

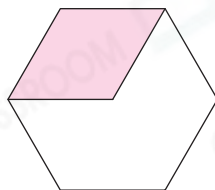
Answer:  $\boxed{\phantom{000}}$

14. Which of the following figures has the smallest fraction of coloured part?

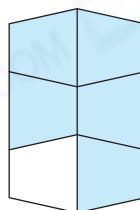
A.



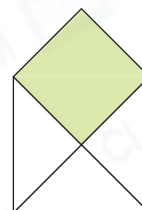
B.



C.



D.



15. The heights of 3 boys are shown in following table.

	Ivan	Tom	Jack
Height(m)	$1\frac{1}{10}$	$1\frac{1}{2}$	$1\frac{3}{4}$

- (a) \_\_\_\_\_ is the tallest among 3 boys.  
 (b) According to the rules of amusement park, children not taller than  $1\frac{1}{5}$  m are not allowed to ride the roller coaster. \_\_\_\_\_ of them are allowed to ride the roller coaster.

**Brain Quest**



Detailed tips

Betty uses the 4 number cards  $\boxed{2}$   $\boxed{4}$   $\boxed{5}$   $\boxed{1}$  to form a mixed number

less than 5. The greatest possible value of this mixed number is  $\boxed{\phantom{000}}$ .