RADIANT HEIGHTS ACADEMY

From Radiant Minds to Great Heights

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Student Name: _____

MATHEMATICS BOOKLET

Level 5-6 Term 2 Week 1

THIS WEEK'S FOCUS

- ✔ Converting Mixed Numbers to Improper Fractions
- ✔ Visualizing Fractions
- ✔ Comparing Fractions

Fractions

Fractions are ways to show equal parts of a whole.

The **denominator of a fraction (bottom number)** shows how many equal parts the whole has been divided into. The **numerator of a fraction (top number)** shows how many of the equal parts there are.

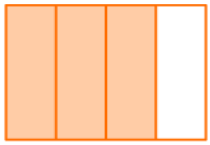
Example

2 equal parts
one-half is shaded

$\frac{1}{2}$

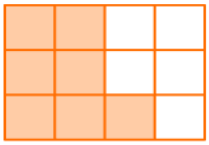
4 equal parts
three-quarters is shaded

$\frac{3}{4}$



12 equal parts
seven-twelfths is shaded

$\frac{7}{12}$



THIRD SPACE LEARNING

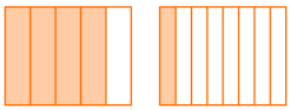
What are types of fractions?

Types of fractions are different ways to show numbers that include parts of a whole.

Example

Proper fractions

A fraction where numerator (top number) is smaller than the denominator (bottom number):

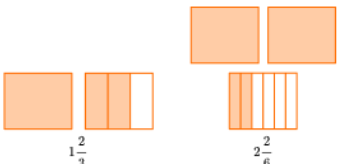


Improper fractions

A fraction where the numerator (top number) is equal to or larger than the denominator (bottom number):

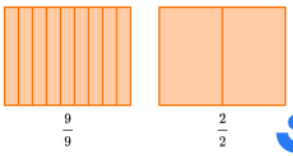
Mixed numbers

A number with a whole number and fractional part.



Fractions equal to 1

A fraction where the numerator and denominator are the same:



THIRD SPACE LEARNING

SYMBOL	DEFINITION	EXAMPLE
$>$	GREATER THAN	$6 > 3$
$\geq$	GREATER THAN OR EQUAL TO	$x \geq 6$
$<$	LESS THAN	$2 < 9$
$\leq$	LESS THAN OR EQUAL TO	$x \leq 11$
$=$	EQUALS	$y \leq 15$
$\neq$	NOT EQUAL	$4 \neq 9$

Mixed Number To Improper Fraction

To convert a **mixed number to an improper fraction** quickly we can multiply the whole number by the denominator, add the numerator of the fraction and then write that over the original denominator.

This will make the process of adding, subtracting, multiplying and dividing fractions much easier.

$$3\frac{7}{9} = \frac{3 \times 9 + 7}{9}$$

$$= \frac{34}{9}$$

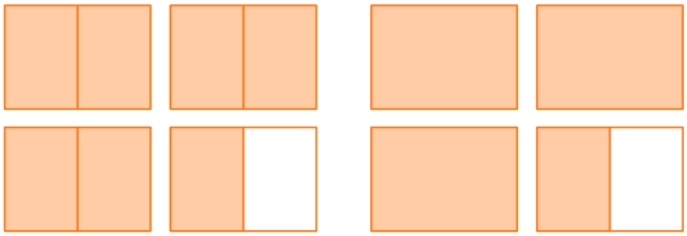
Improper fractions to mixed numbers

Improper fractions and **mixed numbers** are ways to show numbers that have wholes and parts.

Any number greater than 1 can be shown as an improper fraction AND a mixed number.

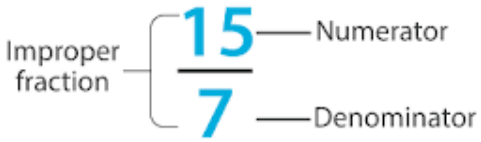
Example

$\frac{7}{2}$ is seven halves, which is three groups of $\frac{2}{2}$ and a group of $\frac{1}{2}$.



$3\frac{1}{2}$ is 3 and one half, which is three wholes and a group of $\frac{1}{2}$.

$$\frac{7}{2} = 3\frac{1}{2}$$



Step 1: Divide the numerator with the denominator

$$15 \div 7 = 2 \text{ R } 1$$

Step : 2 Assemble the mixed fraction

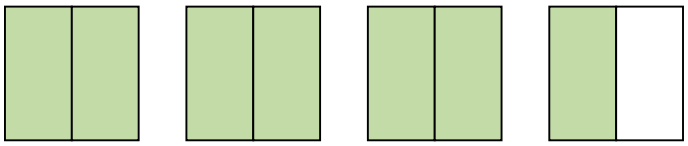
$$\frac{15}{7} = 2\frac{1}{7}$$

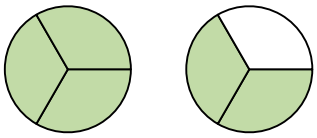
$$\frac{15}{7} = 2\frac{1}{7}$$ ← Mixed number

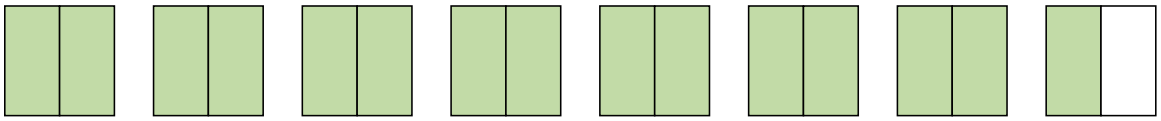
Improper and Mixed Fractions Visual

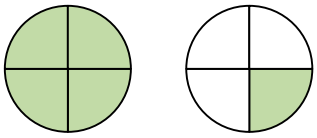
Name:

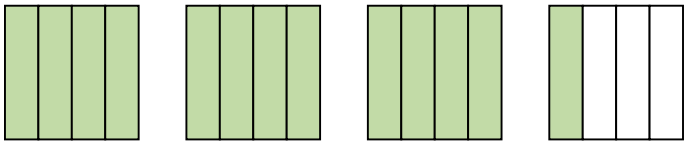
Write each amount as a mixed number.

1) 

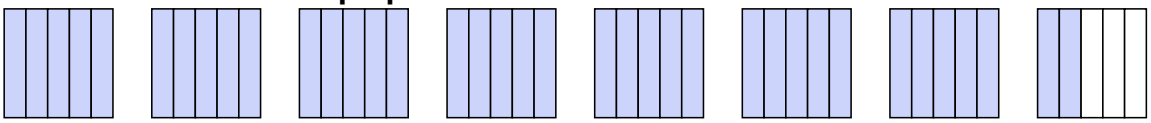
2) 

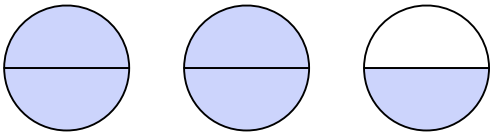
3) 

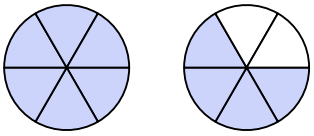
4) 

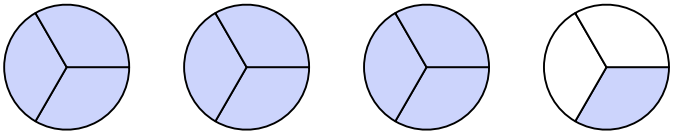
5) 

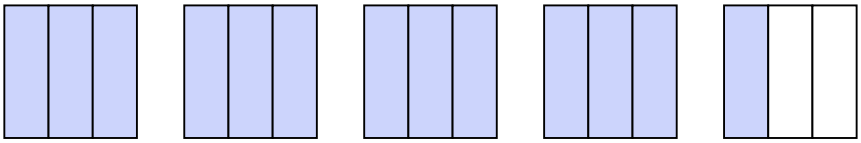
Write each amount as an improper fraction.

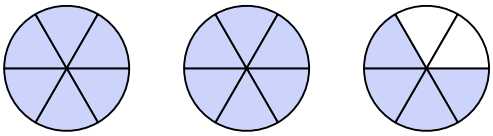
6) 

7) 

8) 

9) 

10) 

11) 

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
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9. _____
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1-10	91	82	73	64	55	45	36	27	18	9
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Improper and Mixed Fractions Visual

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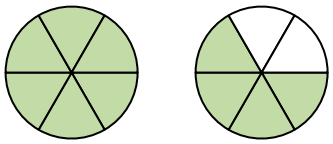
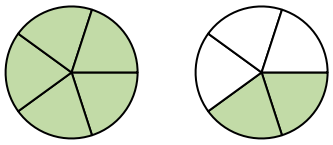
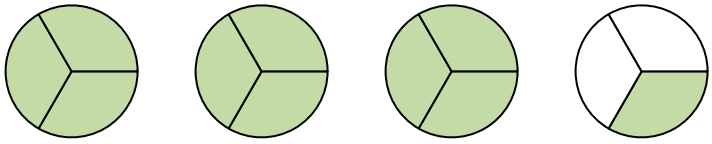
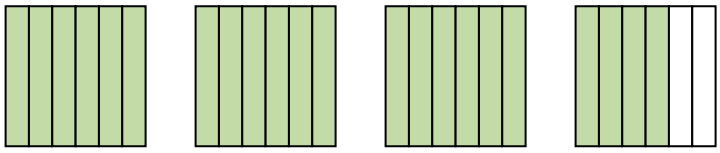
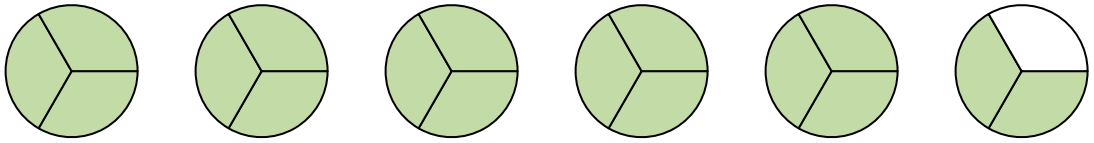
Write each amount as a mixed number.

1) 

2) 

3) 

4) 

5) 

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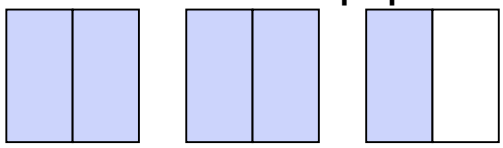
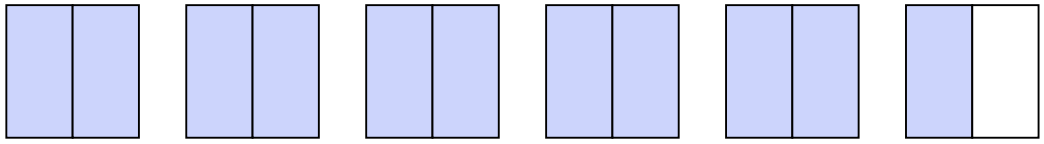
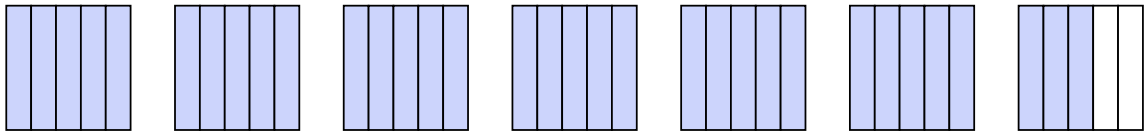
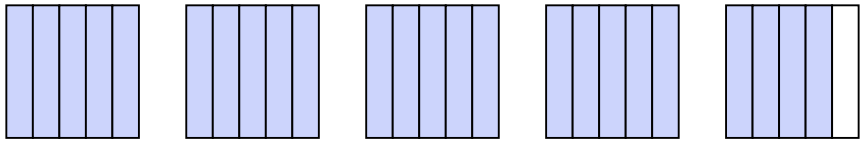
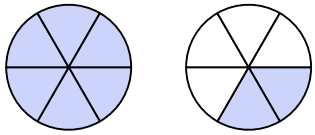
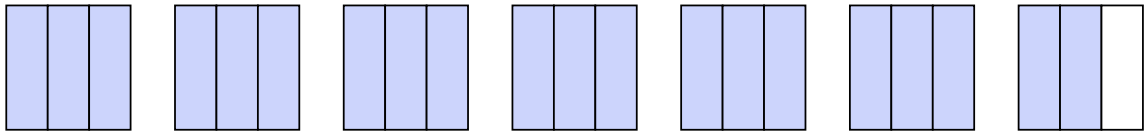
6) 

7) 

8) 

9) 

10) 

11) 

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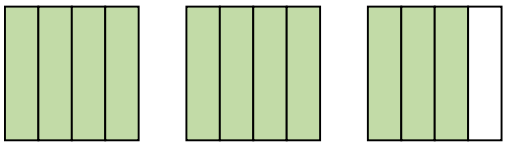
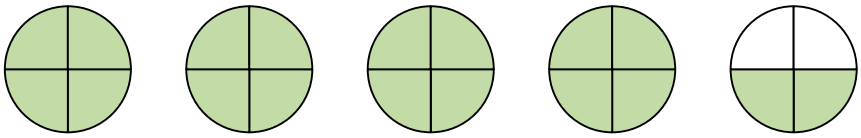
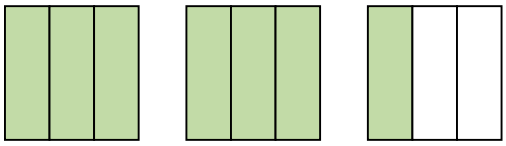
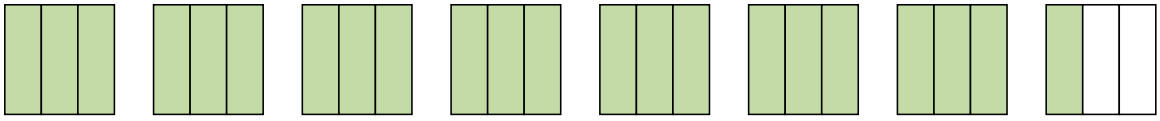
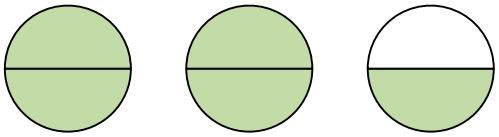
1) 

2) 

3) 

4) 

5) 

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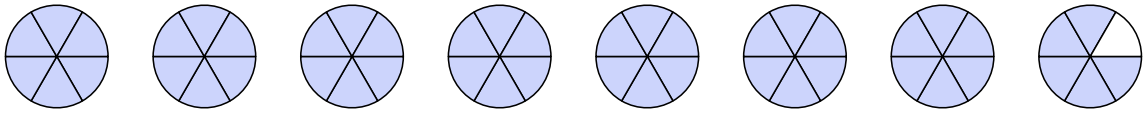
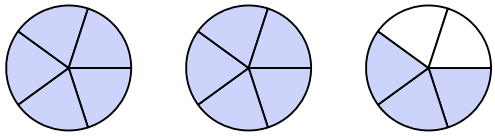
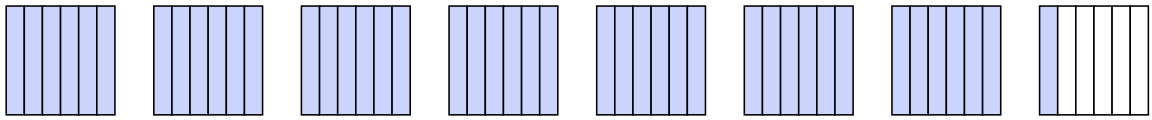
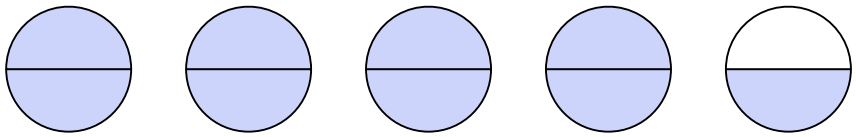
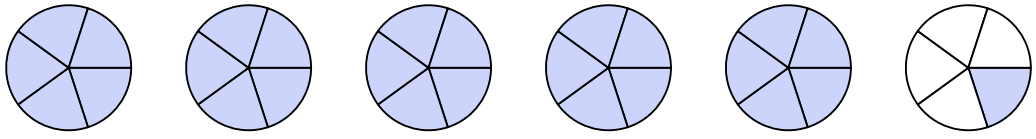
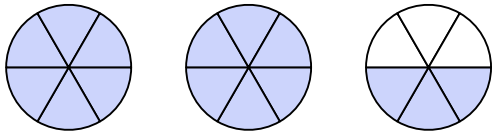
6) 

7) 

8) 

9) 

10) 

11) 

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Improper and Mixed Fractions Visual

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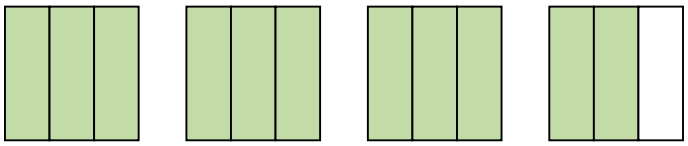
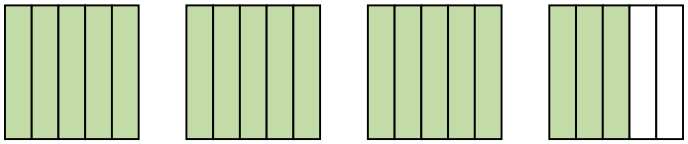
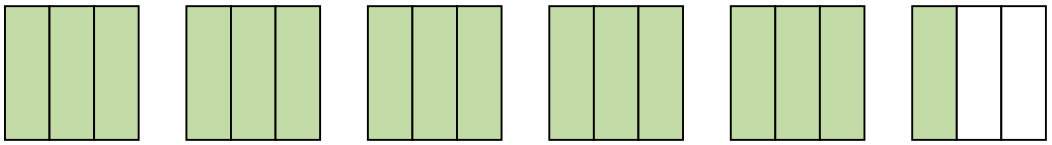
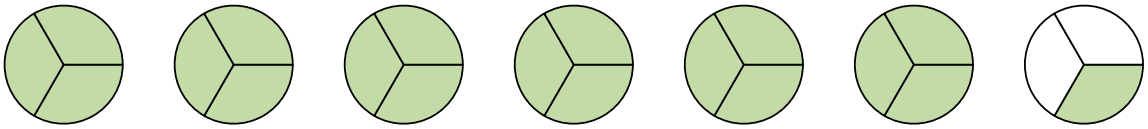
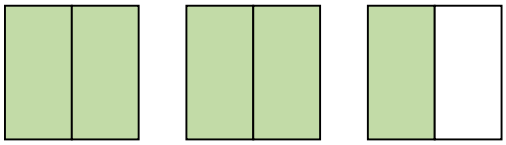
Write each amount as a mixed number.

1) 

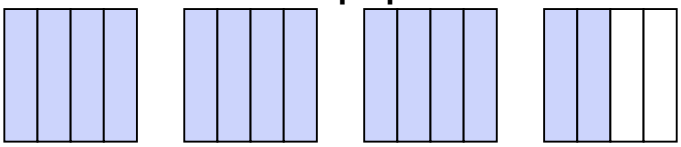
2) 

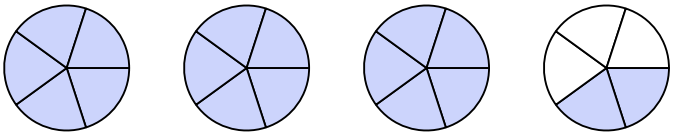
3) 

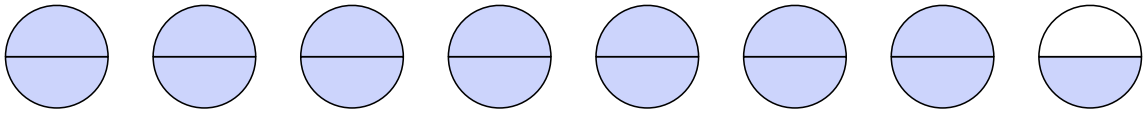
4) 

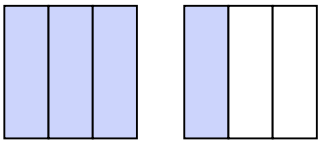
5) 

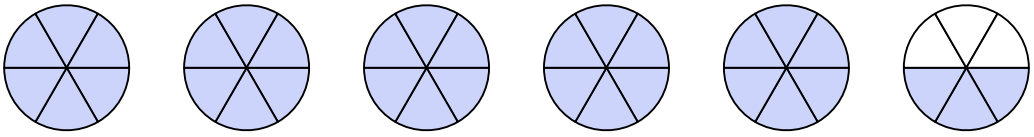
Write each amount as an improper fraction.

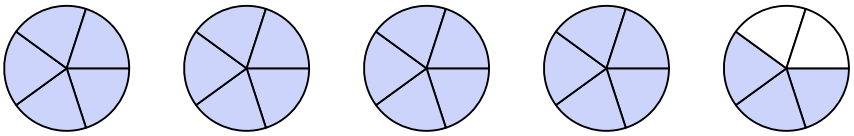
6) 

7) 

8) 

9) 

10) 

11) 

Answers

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1-10	91	82	73	64	55	45	36	27	18	9
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Mixed Number Fraction to Improper Fraction

Name:

Convert the mixed number fraction to improper fraction.

$3\ \frac{2}{5}$

First multiply the denominator by the whole number.

$5 \times 3 = 15$

$3\ \frac{17}{5}$

Next add your answer from step 1 to your numerator.

$\frac{17}{5}$

Finally drop the whole number. Now you have your improper fraction.

Ex) $8\frac{1}{3} = \frac{25}{3}$

1) $2\frac{4}{10} =$

2) $6\frac{4}{9} =$

3) $10\frac{1}{2} =$

4) $9\frac{5}{8} =$

5) $2\frac{4}{8} =$

6) $9\frac{4}{6} =$

7) $3\frac{4}{6} =$

8) $1\frac{1}{2} =$

9) $6\frac{6}{8} =$

10) $4\frac{1}{3} =$

11) $10\frac{4}{7} =$

12) $3\frac{2}{4} =$

13) $3\frac{7}{8} =$

14) $7\frac{3}{4} =$

15) $10\frac{2}{9} =$

16) $2\frac{4}{6} =$

17) $3\frac{6}{9} =$

Answers

Ex. $\frac{25}{3}$

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Mixed Number Fraction to Improper Fraction

Name:

Convert the mixed number fraction to improper fraction.

$3\ \frac{2}{5}$

First multiply the denominator by the whole number.

$5 \times 3 = 15$

$3\ \frac{17}{5}$

Next add your answer from step 1 to your numerator.

$\frac{17}{5}$

Finally drop the whole number. Now you have your improper fraction.

Ex) $7\frac{9}{10} = \frac{79}{10}$

1) $2\frac{1}{2} =$

2) $9\frac{3}{8} =$

3) $7\frac{3}{8} =$

4) $6\frac{1}{4} =$

5) $9\frac{3}{6} =$

6) $5\frac{2}{6} =$

7) $8\frac{1}{6} =$

8) $2\frac{3}{10} =$

9) $1\frac{3}{5} =$

10) $1\frac{1}{4} =$

11) $1\frac{1}{5} =$

12) $6\frac{4}{9} =$

13) $7\frac{2}{4} =$

14) $2\frac{1}{6} =$

15) $3\frac{1}{4} =$

16) $1\frac{1}{2} =$

17) $3\frac{2}{3} =$

Answers

Ex. $\frac{79}{10}$

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Mixed Number Fraction to Improper Fraction

Name:

Convert the mixed number fraction to improper fraction.

$3\ \frac{2}{5}$

First multiply the denominator by the whole number.

$5 \times 3 = 15$

$3\ \frac{17}{5}$

Next add your answer from step 1 to your numerator.

$\frac{17}{5}$

Finally drop the whole number. Now you have your improper fraction.

Ex) $10\frac{1}{2} = \frac{21}{2}$

1) $7\frac{3}{7} =$

2) $1\frac{4}{6} =$

3) $2\frac{3}{6} =$

4) $8\frac{9}{10} =$

5) $3\frac{1}{6} =$

6) $5\frac{6}{8} =$

7) $3\frac{3}{4} =$

8) $5\frac{5}{6} =$

9) $6\frac{8}{9} =$

10) $10\frac{1}{6} =$

11) $5\frac{2}{3} =$

12) $3\frac{2}{3} =$

13) $9\frac{1}{5} =$

14) $1\frac{2}{4} =$

15) $10\frac{5}{7} =$

16) $1\frac{2}{3} =$

17) $6\frac{1}{5} =$

Answers

Ex. $\frac{21}{2}$

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Mixed Number Fraction to Improper Fraction

Name:

Convert the mixed number fraction to improper fraction.

$3\ \frac{2}{5}$

First multiply the denominator by the whole number.

$5 \times 3 = 15$

$3\ \frac{17}{5}$

Next add your answer from step 1 to your numerator.

$\frac{17}{5}$

Finally drop the whole number. Now you have your improper fraction.

Ex) $8\frac{2}{5} = \frac{42}{5}$

1) $8\frac{1}{4} =$

2) $2\frac{5}{6} =$

3) $3\frac{1}{7} =$

4) $3\frac{7}{10} =$

5) $7\frac{3}{7} =$

6) $9\frac{1}{3} =$

7) $8\frac{3}{6} =$

8) $9\frac{6}{10} =$

9) $10\frac{1}{9} =$

10) $4\frac{3}{4} =$

11) $8\frac{2}{3} =$

12) $6\frac{5}{8} =$

13) $6\frac{1}{2} =$

14) $7\frac{1}{4} =$

15) $6\frac{4}{6} =$

16) $10\frac{1}{2} =$

17) $8\frac{5}{6} =$

Answers

Ex. $\frac{42}{5}$

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Fractions as Division Problems

Name:

Solve each fraction as though it were a division problem. Write your answer as a fraction.

Ex) $\frac{71}{9} = 7\frac{8}{9}$

1) $\frac{28}{3} =$

2) $\frac{13}{2} =$

3) $\frac{37}{4} =$

4) $\frac{31}{5} =$

5) $\frac{67}{7} =$

6) $\frac{65}{10} =$

7) $\frac{44}{6} =$

8) $\frac{41}{10} =$

9) $\frac{33}{6} =$

10) $\frac{7}{3} =$

11) $\frac{40}{6} =$

12) $\frac{98}{9} =$

13) $\frac{17}{2} =$

14) $\frac{16}{3} =$

15) $\frac{108}{10} =$

16) $\frac{105}{10} =$

17) $\frac{23}{8} =$

18) $\frac{74}{7} =$

19) $\frac{76}{7} =$

20) $\frac{32}{3} =$

Answers

Ex. $7\frac{8}{9}$

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Fractions as Division Problems

Name:

Solve each fraction as though it were a division problem. Write your answer as a fraction.

Ex) $\frac{44}{8} = 5\frac{4}{8}$

1) $\frac{53}{5} =$

2) $\frac{22}{5} =$

3) $\frac{22}{8} =$

4) $\frac{34}{9} =$

5) $\frac{15}{2} =$

6) $\frac{18}{4} =$

7) $\frac{5}{2} =$

8) $\frac{17}{2} =$

9) $\frac{23}{3} =$

10) $\frac{9}{2} =$

11) $\frac{25}{4} =$

12) $\frac{23}{7} =$

13) $\frac{24}{7} =$

14) $\frac{39}{4} =$

15) $\frac{13}{2} =$

16) $\frac{32}{7} =$

17) $\frac{70}{8} =$

18) $\frac{53}{7} =$

19) $\frac{73}{7} =$

20) $\frac{30}{7} =$

Answers

Ex. $5\frac{4}{8}$

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Fractions as Division Problems

Name:

Solve each fraction as though it were a division problem. Write your answer as a fraction.

Ex) $\frac{13}{5} = 2\frac{3}{5}$

1) $\frac{66}{10} =$

2) $\frac{23}{7} =$

3) $\frac{31}{3} =$

4) $\frac{27}{8} =$

5) $\frac{22}{3} =$

6) $\frac{46}{5} =$

7) $\frac{56}{6} =$

8) $\frac{45}{10} =$

9) $\frac{59}{9} =$

10) $\frac{31}{5} =$

11) $\frac{7}{3} =$

12) $\frac{55}{6} =$

13) $\frac{52}{9} =$

14) $\frac{85}{8} =$

15) $\frac{17}{8} =$

16) $\frac{19}{7} =$

17) $\frac{21}{2} =$

18) $\frac{25}{3} =$

19) $\frac{71}{7} =$

20) $\frac{44}{6} =$

Answers

Ex. $2\frac{3}{5}$

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Fractions as Division Problems

Name:

Solve each fraction as though it were a division problem. Write your answer as a fraction.

Ex) $\frac{43}{5} = 8\frac{3}{5}$

1) $\frac{29}{3} =$

2) $\frac{23}{5} =$

3) $\frac{41}{8} =$

4) $\frac{21}{2} =$

5) $\frac{32}{6} =$

6) $\frac{47}{5} =$

7) $\frac{17}{2} =$

8) $\frac{35}{6} =$

9) $\frac{10}{4} =$

10) $\frac{46}{5} =$

11) $\frac{14}{4} =$

12) $\frac{33}{4} =$

13) $\frac{58}{8} =$

14) $\frac{22}{5} =$

15) $\frac{40}{9} =$

16) $\frac{61}{10} =$

17) $\frac{11}{2} =$

18) $\frac{45}{6} =$

19) $\frac{56}{9} =$

20) $\frac{71}{8} =$

Answers

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

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Fractions to Whole Numbers

Name:

Solve each problem.

1) Write 3 as a fraction with 9 in the denominator.

2) Write $^{12}/_{2}$ as a whole number.

3) Write 4 as a fraction with 9 in the denominator.

4) Write $^{30}/_{5}$ as a whole number.

5) Write 7 as a fraction with 9 in the denominator.

6) Write $^{60}/_{10}$ as a whole number.

7) Write 6 as a fraction with 7 in the denominator.

8) Write $^{40}/_{10}$ as a whole number.

9) Write 6 as a fraction with 5 in the denominator.

10) Write $^{6}/_{3}$ as a whole number.

11) Write 6 as a fraction with 6 in the denominator.

12) Write $^{90}/_{9}$ as a whole number.

13) Write 2 as a fraction with 8 in the denominator.

14) Write $^{15}/_{3}$ as a whole number.

15) Write 10 as a fraction with 10 in the denominator.

16) Write $^{21}/_{3}$ as a whole number.

17) Write 8 as a fraction with 2 in the denominator.

18) Write $^{70}/_{7}$ as a whole number.

19) Write 5 as a fraction with 5 in the denominator.

20) Write $^{30}/_{3}$ as a whole number.

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Fractions to Whole Numbers

Name:

Solve each problem.

1) Write 5 as a fraction with 10 in the denominator.

2) Write $^{20}/_{5}$ as a whole number.

3) Write 8 as a fraction with 2 in the denominator.

4) Write $^{27}/_{9}$ as a whole number.

5) Write 2 as a fraction with 7 in the denominator.

6) Write $^{16}/_{4}$ as a whole number.

7) Write 2 as a fraction with 2 in the denominator.

8) Write $^{16}/_{2}$ as a whole number.

9) Write 3 as a fraction with 7 in the denominator.

10) Write $^{8}/_{2}$ as a whole number.

11) Write 2 as a fraction with 10 in the denominator.

12) Write $^{21}/_{7}$ as a whole number.

13) Write 6 as a fraction with 2 in the denominator.

14) Write $^{60}/_{10}$ as a whole number.

15) Write 2 as a fraction with 6 in the denominator.

16) Write $^{28}/_{7}$ as a whole number.

17) Write 8 as a fraction with 8 in the denominator.

18) Write $^{49}/_{7}$ as a whole number.

19) Write 7 as a fraction with 10 in the denominator.

20) Write $^{80}/_{10}$ as a whole number.

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Fractions to Whole Numbers

Name:

Solve each problem.

1) Write 10 as a fraction with 6 in the denominator.

2) Write $^{21}/_{7}$ as a whole number.

3) Write 3 as a fraction with 10 in the denominator.

4) Write $^{24}/_{8}$ as a whole number.

5) Write 3 as a fraction with 7 in the denominator.

6) Write $^{45}/_{5}$ as a whole number.

7) Write 6 as a fraction with 9 in the denominator.

8) Write $^{40}/_{10}$ as a whole number.

9) Write 9 as a fraction with 6 in the denominator.

10) Write $^{30}/_{5}$ as a whole number.

11) Write 3 as a fraction with 2 in the denominator.

12) Write $^{18}/_{6}$ as a whole number.

13) Write 9 as a fraction with 5 in the denominator.

14) Write $^{80}/_{8}$ as a whole number.

15) Write 8 as a fraction with 2 in the denominator.

16) Write $^{14}/_{7}$ as a whole number.

17) Write 9 as a fraction with 9 in the denominator.

18) Write $^{24}/_{3}$ as a whole number.

19) Write 7 as a fraction with 10 in the denominator.

20) Write $^{42}/_{6}$ as a whole number.

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Fractions to Whole Numbers

Name:

Solve each problem.

1) Write 3 as a fraction with 9 in the denominator.

2) Write $^{20}/_{5}$ as a whole number.

3) Write 8 as a fraction with 5 in the denominator.

4) Write $^{20}/_{2}$ as a whole number.

5) Write 6 as a fraction with 5 in the denominator.

6) Write $^{45}/_{5}$ as a whole number.

7) Write 2 as a fraction with 8 in the denominator.

8) Write $^{56}/_{8}$ as a whole number.

9) Write 4 as a fraction with 2 in the denominator.

10) Write $^{40}/_{4}$ as a whole number.

11) Write 4 as a fraction with 3 in the denominator.

12) Write $^{32}/_{4}$ as a whole number.

13) Write 9 as a fraction with 10 in the denominator.

14) Write $^{49}/_{7}$ as a whole number.

15) Write 8 as a fraction with 4 in the denominator.

16) Write $^{60}/_{10}$ as a whole number.

17) Write 2 as a fraction with 5 in the denominator.

18) Write $^{42}/_{6}$ as a whole number.

19) Write 9 as a fraction with 6 in the denominator.

20) Write $^{64}/_{8}$ as a whole number.

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

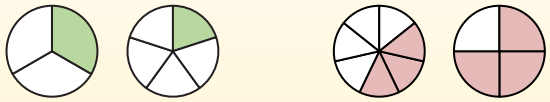
Comparing Fractions

Name:

Use < or > to compare each fraction.

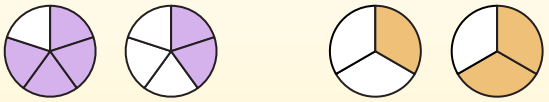
Anytime the numerator is the same, the number with the smaller denominator will be larger because it will have larger pieces.

$\frac{1}{3} > \frac{1}{5}$ $\frac{3}{7} < \frac{3}{4}$



Anytime the denominator is the same, the number with the larger numerator will be larger because it will have more pieces.

$\frac{4}{5} > \frac{2}{5}$ $\frac{1}{3} < \frac{2}{3}$



Ex) $\frac{2}{5}$ < $\frac{4}{5}$

1) $\frac{1}{4}$ _____ $\frac{1}{3}$

2) $\frac{1}{4}$ _____ $\frac{2}{4}$

3) $\frac{3}{4}$ _____ $\frac{1}{4}$

4) $\frac{1}{2}$ _____ $\frac{1}{6}$

5) $\frac{6}{7}$ _____ $\frac{4}{7}$

6) $\frac{2}{5}$ _____ $\frac{2}{8}$

7) $\frac{3}{5}$ _____ $\frac{4}{5}$

8) $\frac{1}{8}$ _____ $\frac{7}{8}$

9) $\frac{1}{6}$ _____ $\frac{3}{6}$

10) $\frac{2}{4}$ _____ $\frac{2}{5}$

11) $\frac{5}{6}$ _____ $\frac{5}{8}$

12) $\frac{1}{5}$ _____ $\frac{1}{2}$

13) $\frac{1}{7}$ _____ $\frac{1}{4}$

14) $\frac{1}{3}$ _____ $\frac{2}{3}$

15) $\frac{1}{6}$ _____ $\frac{1}{2}$

16) $\frac{1}{7}$ _____ $\frac{3}{7}$

17) $\frac{2}{3}$ _____ $\frac{2}{8}$

18) $\frac{4}{5}$ _____ $\frac{2}{5}$

19) $\frac{4}{5}$ _____ $\frac{4}{6}$

20) $\frac{2}{7}$ _____ $\frac{2}{5}$

Answers

Ex. <

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

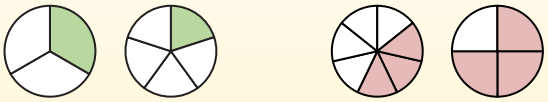
Comparing Fractions

Name:

Use < or > to compare each fraction.

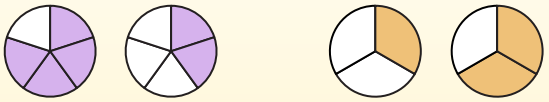
Anytime the numerator is the same, the number with the smaller denominator will be larger because it will have larger pieces.

$\frac{1}{3} > \frac{1}{5}$ $\frac{3}{7} < \frac{3}{4}$



Anytime the denominator is the same, the number with the larger numerator will be larger because it will have more pieces.

$\frac{4}{5} > \frac{2}{5}$ $\frac{1}{3} < \frac{2}{3}$



Ex) $\frac{1}{3}$ < $\frac{2}{3}$

1) $\frac{1}{8}$ _____ $\frac{3}{8}$

2) $\frac{1}{4}$ _____ $\frac{1}{2}$

3) $\frac{2}{3}$ _____ $\frac{1}{3}$

4) $\frac{2}{7}$ _____ $\frac{3}{7}$

5) $\frac{3}{8}$ _____ $\frac{3}{6}$

6) $\frac{3}{5}$ _____ $\frac{2}{5}$

7) $\frac{1}{2}$ _____ $\frac{1}{6}$

8) $\frac{1}{2}$ _____ $\frac{1}{7}$

9) $\frac{4}{8}$ _____ $\frac{4}{5}$

10) $\frac{3}{5}$ _____ $\frac{4}{5}$

11) $\frac{3}{6}$ _____ $\frac{3}{7}$

12) $\frac{1}{7}$ _____ $\frac{1}{2}$

13) $\frac{3}{7}$ _____ $\frac{2}{7}$

14) $\frac{1}{3}$ _____ $\frac{1}{7}$

15) $\frac{1}{4}$ _____ $\frac{3}{4}$

16) $\frac{3}{6}$ _____ $\frac{3}{8}$

17) $\frac{3}{6}$ _____ $\frac{5}{6}$

18) $\frac{1}{8}$ _____ $\frac{1}{4}$

19) $\frac{2}{6}$ _____ $\frac{2}{5}$

20) $\frac{1}{5}$ _____ $\frac{4}{5}$

Answers

Ex. <

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

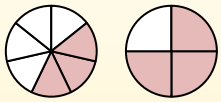
Comparing Fractions

Name:

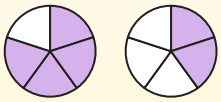
Use < or > to compare each fraction.

Anytime the numerator is the same, the number with the smaller denominator will be larger because it will have larger pieces.

$\frac{1}{3} > \frac{1}{5}$ 

$\frac{3}{7} < \frac{3}{4}$ 

Anytime the denominator is the same, the number with the larger numerator will be larger because it will have more pieces.

$\frac{4}{5} > \frac{2}{5}$ 

$\frac{1}{3} < \frac{2}{3}$ 

Ex) $\frac{1}{8}$ __<

1) $\frac{3}{4}$ ____ $\frac{2}{4}$

2) $\frac{3}{7}$ ____ $\frac{2}{7}$

3) $\frac{2}{5}$ ____ $\frac{1}{5}$

4) $\frac{4}{7}$ ____ $\frac{3}{7}$

5) $\frac{1}{2}$ ____ $\frac{1}{3}$

6) $\frac{1}{4}$ ____ $\frac{1}{8}$

7) $\frac{1}{7}$ ____ $\frac{1}{3}$

8) $\frac{1}{5}$ ____ $\frac{4}{5}$

9) $\frac{1}{6}$ ____ $\frac{1}{5}$

10) $\frac{3}{7}$ ____ $\frac{3}{6}$

11) $\frac{1}{8}$ ____ $\frac{1}{2}$

12) $\frac{2}{3}$ ____ $\frac{2}{4}$

13) $\frac{2}{8}$ ____ $\frac{2}{7}$

14) $\frac{7}{8}$ ____ $\frac{5}{8}$

15) $\frac{5}{6}$ ____ $\frac{3}{6}$

16) $\frac{1}{3}$ ____ $\frac{2}{3}$

17) $\frac{2}{7}$ ____ $\frac{4}{7}$

18) $\frac{1}{3}$ ____ $\frac{1}{5}$

19) $\frac{4}{8}$ ____ $\frac{3}{8}$

20) $\frac{4}{8}$ ____ $\frac{1}{8}$

Answers

Ex. <

1. ____
2. ____
3. ____
4. ____
5. ____
6. ____
7. ____
8. ____
9. ____
10. ____
11. ____
12. ____
13. ____
14. ____
15. ____
16. ____
17. ____
18. ____
19. ____
20. ____

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

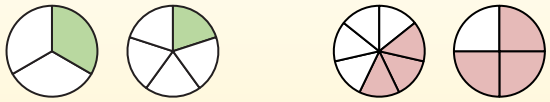
Comparing Fractions

Name:

Use < or > to compare each fraction.

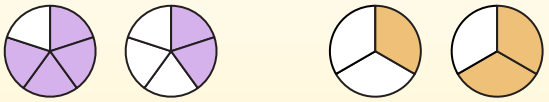
Anytime the numerator is the same, the number with the smaller denominator will be larger because it will have larger pieces.

$\frac{1}{3} > \frac{1}{5}$ $\frac{3}{7} < \frac{3}{4}$



Anytime the denominator is the same, the number with the larger numerator will be larger because it will have more pieces.

$\frac{4}{5} > \frac{2}{5}$ $\frac{1}{3} < \frac{2}{3}$



Ex) $\frac{1}{3}$ < $\frac{1}{2}$

1) $\frac{3}{8}$ _____ $\frac{3}{4}$

2) $\frac{3}{4}$ _____ $\frac{3}{8}$

3) $\frac{1}{3}$ _____ $\frac{2}{3}$

4) $\frac{3}{5}$ _____ $\frac{4}{5}$

5) $\frac{4}{7}$ _____ $\frac{3}{7}$

6) $\frac{1}{7}$ _____ $\frac{2}{7}$

7) $\frac{2}{8}$ _____ $\frac{2}{4}$

8) $\frac{5}{8}$ _____ $\frac{5}{6}$

9) $\frac{5}{6}$ _____ $\frac{3}{6}$

10) $\frac{5}{6}$ _____ $\frac{2}{6}$

11) $\frac{3}{8}$ _____ $\frac{3}{5}$

12) $\frac{1}{4}$ _____ $\frac{1}{3}$

13) $\frac{3}{5}$ _____ $\frac{3}{6}$

14) $\frac{1}{5}$ _____ $\frac{2}{5}$

15) $\frac{1}{4}$ _____ $\frac{1}{2}$

16) $\frac{2}{5}$ _____ $\frac{2}{3}$

17) $\frac{2}{3}$ _____ $\frac{1}{3}$

18) $\frac{1}{5}$ _____ $\frac{3}{5}$

19) $\frac{2}{7}$ _____ $\frac{4}{7}$

20) $\frac{2}{8}$ _____ $\frac{1}{8}$

Answers

Ex. <

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

1-10	95	90	85	80	75	70	65	60	55	50
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